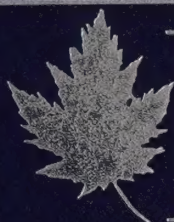


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# MICROLOG

Volume 12  
1990

Canadian Research Index  
Index de Recherche du Canada













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# MICROLOG

## Canadian Research Index Index de Recherche du Canada

# 1990

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# INTRODUCTION

**Microlog: Canadian Research Index** puts all of Canada's hard-to-find government and research literature at your fingertips. This monthly indexing, abstracting and document delivery service covers all levels of government in Canada, as well as institutions receiving research grants. Most titles included in **Microlog** are available in either paper or microfiche format. Combined with a microfiche collection, the **Microlog Service** is a powerful tool for finding Canadian report publications. The unique **Microlog Accession Number** is the key to immediate retrieval of any document.

## SCOPE

Among other documents, **Microlog** includes research papers in physical, natural and social sciences, policy papers, important statistics, and annual reports. Every effort is made to ensure the currency of the index. For instance, documents appearing in the Checklist of Canadian Government Publications are delivered by **Microlog** approximately two months after publication of the list.

## LANGUAGE POLICY

Documents issued in English or French are indexed and abstracted in the language of publication, while bilingual documents are indexed and abstracted in both languages.

## SOURCES AND COVERAGE

**Federal Documents:** The **Microlog** editors review all checklists issued by the Canadian Government Publishing Centre and order every document relevant to the service. Except for serials, maps, pamphlets, and manuals, all monographs covered by the Federal Depository Plan are included in the index. Also, a special effort is made to track down elusive but important titles which do not appear in the lists.

**Microlog** offers a special collection of documents published by the Federal Government but not issued through the Federal Depository Plan. These titles, available to subscribers as the Non-Depository Publications collection, are indicated in the Titles section by a bullet (●). **Microlog** is also the direct distributing agent for many government bodies.

**Provincial Documents:** Depository arrangements with several provincial libraries have been established to ensure that **Microlog** subscribers receive all publications from those provinces. Where no depository arrangement exists, all publications lists issued by the province are reviewed for acquisitions.

**Municipal Documents:** Since these titles are very difficult to obtain, the **Microlog** editors make special efforts to include publications from municipal sources.

## ACCESS

The Index provides access by subject, corporate or individual author, and series title.

The full **Microlog** file from 19 to date, consisting of almost 50,000 records, is available online through Can/OLE. This is an ideal way to locate hard-to-find reports which may then be ordered directly online through the Can/DOCS service. Contact: Can/OLE Client Services, CISTI, Ottawa/Ontario, K1A 0S2.

## FEATURES

**Microlog** comprises the following sections:

1. **Titles and abstracts:** A full biographic citation and a descriptive abstract for each title.
2. **Name Index:** Access by personal author, corporate author, and conference name.
3. **Series Titles:** Lists by title all reports in series in the service; series available as an ongoing subscription or retrospective collection.
4. **Subject Index:** Descriptor based on Library of Congress and Canadiana Subject Headings are assigned to each document. A cross-referencing structure assists searchers.
5. **Microfiche collections:** Lists contents of each fiche collection for quick reference. These collections can be used as current awareness lists in broad subject areas to notify users of new acquisitions. This section is included in the annual curation as a separate microfiche product.

## MICROLOG AND CANADIAN STATISTICS INDEX

**Statistical Material:** The **Canadian Statistics Index (CSI)** provides further access to statistical material contained in **Microlog** monographs and special or annual reports. The CSI identification number has been included with the **Microlog** citation for the convenience of subscribers to the CSI microfiche collection.

**Annual Reports:** Storage of annual reports in a single sequence has been a problem for clients in the past. The CSI numbers for annual reports are now listed in the bibliographic citation and appear on the microfiche header of each report, to make such sequencing possible.

## DOCUMENT DELIVERY

Institutions may subscribe to complete or partial collections of the documents in **Microlog**. Individual copies on microfiche or paper reprint may be ordered through Micromedia's Document Delivery Service. To order, please contact:

Micromedia Limited

165 Hôtel de Ville, Hull, P.Q. J8X 3X2  
(819) 770-9928 Toll free 1-800-567-1914

Fax: (819) 770-9265  
Envoy: PATENTS.MICROMEDIA



# INTRODUCTION

**Microlog: Index de recherche du Canada** met à votre disposition toutes les publications du gouvernement et les travaux de recherche difficiles à se procurer. Combiné aux collections sur microfiches, le service **Microlog** constitue un outil très efficace pour retrouver les publications des différents gouvernements du Canada, ainsi que celles des organismes qui reçoivent des subventions pour la recherche. **Microlog** est aussi un service de livraison de documents, sur microfiches ou sous forme imprimée.

## CONTENU

**Microlog** contient entre autres des recherches en sciences physiques, naturelles et sociales, des énoncés de politique, des statistiques et des rapports annuels. Par l'intermédiaire du service **Microlog**, on peut obtenir les documents qui figurent sur la Liste des publications du gouvernement du Canada environ deux mois après leur parution sur cette liste.

## POLITIQUE LINGUISTIQUE

Les ouvrages publiés en français ou en anglais sont indexés et résumés dans la langue de publication; les ouvrages bilingues sont traités dans les deux langues.

## SOURCES

**Publications fédérales:** Les rédacteurs de **Microlog** examinent les listes émises par le Centre d'édition du gouvernement du Canada et commandent les documents pertinents. En dehors des publications en série, cartes, brochures et manuels, toutes les monographies régies par le Programme de dépôt du gouvernement fédéral figurent dans l'index, ainsi que des ouvrages importants ne figurant pas sur les listes.

**Microlog** propose aussi une collection spéciale de publications fédérales non déposées, identifiées par un point (●) dans la section Titres et résumés. **Microlog** est aussi l'agent de diffusion de nombreux organismes gouvernementaux.

**Publications provinciales:** Des ententes de dépôt ont été conclues avec plusieurs bibliothèques provinciales pour que les abonnés de **Microlog** reçoivent toutes les publications de ces provinces. Lorsqu'aucune entente n'existe, les listes de publications émises par les provinces sont examinées afin d'acquérir les documents.

**Publications municipales:** Ces ouvrages étant difficiles à se procurer, les rédacteurs de **Microlog** redoublent d'ardeur pour les inclure dans l'index.

## ACCÈS

L'index imprimé est bilingue et les publications sont répertoriées par sujet, par auteur (collectivité et personne physique) et par titre de collection.

Le fichier complet de **Microlog**, de 1979 à aujourd'hui, contient près de 50,000 notices et est accessible sur

Can/OLE. Il s'agit d'un moyen idéal pour mettre la main sur des rapports difficiles à trouver qu'on peut commander par l'intermédiaire du service Can/DOCS. À ce propos, veuillez vous adresser au Service à la clientèle Can/OLE, ICIST, Ottawa (Ontario), K1A 0S2.

## ORGANISATION DE L'INDEX

**Microlog** est divisé en cinq sections:

1. **Titres et résumés:** tous les titres sont catalogués et accompagnés d'un résumé descriptif.
2. **Index des noms:** donne un accès par auteur, collectivité-auteur et titre de conférence.
3. **Titres de collections:** tous les rapports publiés en série sont classés par titre et numéro. Ces collections peuvent être commandées individuellement.
4. **Index des matières:** les descripteurs permettent de trouver facilement les publications pertinentes; un réseau de renvois facilite la recherche.
5. **Collections de microfiches:** chaque collection apparaît dans une section séparée pour faciliter la recherche. Ces listes peuvent aussi servir à renseigner les usagers sur les nouveautés. Dans la refonte, cette section est insérée sous forme de microfiches.

## MICROLOG ET L'INDEX DES STATISTIQUES DU CANADA

**Données statistiques:** L'Index des statistiques du Canada (CSI) constitue une autre source de référence sur les statistiques contenues dans certaines publications indexées dans **Microlog**. Celles-ci ont un numéro d'ordre spécial qui est inclus dans la référence bibliographique.

**Rapports annuels:** Afin de rendre le classement des rapports annuels plus facile, le numéro d'ordre CSI correspondant à ces documents figure maintenant dans les références bibliographiques et est inscrit sur les en-têtes de microfiches.

## LIVRAISON DE DOCUMENTS

On peut s'abonner à l'ensemble ou à certaines des collections de documents de **Microlog**. On peut également commander des reproductions de documents sur microfiches ou sur papier par l'intermédiaire du service de livraison de documents de Micromedia. Pour commander, communiquer avec:

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# FICHE COLLECTIONS

Documents from MICROLOG are available on microfiche through various subscription plans ranging from the complete collection to subsets by level of government (jurisdiction), geographic area or subject. Listed below are all the collections available with a short explanation for each one.

## JURISDICTION COLLECTIONS

- CA FEDERAL:** titles issued by Supply and Services Canada, or any other governmental body, about Canada or federal matters, both depository and non-depository.
- PR PROVINCIAL:** titles issued by provincial governments.
- MU LOCAL/MUNICIPAL:** titles issued by local governments, or about local jurisdictional concerns, or about specific cities or towns.

## GEOGRAPHIC COLLECTIONS

Documents included in the geographic collections are published at the provincial level or cover a province.

- AL ALBERTA**
- AP ATLANTIC PROVINCES:** Newfoundland, Nova Scotia, New Brunswick, and PEI.
- BC BRITISH COLUMBIA**
- MS MANITOBA - SASKATCHEWAN**
- NO NORTHERN REGIONS:** Northwest Territories, Yukon, Arctic Regions, Native Peoples, North of 60.
- ON ONTARIO**
- QU QUEBEC**

## SUBJECT COLLECTIONS

- AG AGRICULTURE:** all aspects of agriculture, food and beverage industries; soil sciences; water in agriculture; fur industry; hunting; animal industry; crops and climate; horticulture; wine making.
- BS BEHAVIOURAL SCIENCES:** human behaviour; alcoholism and drug abuse; child abuse; suicide; psychology; public opinion and survey methods.
- CO COMMERCE AND ECONOMICS:** business and finance; consumer affairs; free trade; marketing; tourism; insurance; pension fund administration; taxation; assessment; budget papers for Canada and provinces.
- CU CULTURE, RECREATION AND HUMANITIES:** arts; theatre; sports; lotteries; archaeology; history and historic sites; recreational hunting and fishing; parks; tourism related to recreation; libraries.
- ED EDUCATION:** curriculum; educational research; school and university funding; learning; teacher collective bargaining and pension funds; community and school.
- EN ENERGY:** resources, supply and demand; generation; storage; transmission; regulation; conservation; exploration; alternative resources; insulation.
- EV ENVIRONMENT:** pollution; environmental policy; assessment reports; natural areas and park management; environmental accidents; hazardous wastes; wildlife resources; environmental health.
- EX EXTERNAL AFFAIRS:** international relations; defence; aid to developing countries; international trade; free trade; immigration policy; arms control; wars and warfare.
- FI FISHERIES:** commercial fishing; fish resources; fish biology; aquatic resources; fish habitat; aquaculture; aquatic ecology; fish trade; law of the sea related to fisheries; fishing boat accidents.

- FO FORESTRY:** forest ecology; logging; forest products; wood trade; forest fires; reforestation; wood crops for energy; pulp and paper industry.
- HE HEALTH AND MEDICAL CARE:** public health and health services; health insurance; nutrition; vital statistics; medical ethics; diseases and hygiene; environmental health; disease aspects of occupational health.
- JU JUSTICE AND LAW:** crime; corrections; ombudsman; coroner; human rights; police activities; firearms; law reform.
- LA LABOUR:** employment; manpower; occupational health and safety; collective bargaining; vocational training and retraining; wages; compensation; strikes.
- LS LIFE SCIENCES:** biology; botany; zoology; genetics; biotechnology; medical sciences.
- NP NATIVE PEOPLES:** any material related to issues involving Canada's Native peoples.
- NR NATURAL RESOURCES, EARTH SCIENCES AND MINING:** land, water and mineral resources; land reclamation; flood control; hydrology; oceanography; mining; geology; economic geology; mining techniques; metallurgy.
- PS PHYSICAL SCIENCES:** practical sciences and technology; mathematics; physics; computer sciences; chemistry; meteorology; hydrology; geophysics; oceanography; nuclear science; metallurgy; earth sciences; engineering; astronomy; robotics; telecommunications.
- PL PLANNING, HOUSING AND CONSTRUCTION INDUSTRY:** planning policy and regulation; building technology; housing rehabilitation; availability; land use planning; architecture.
- PA PUBLIC ADMINISTRATION:** politics, government and administration; government operations; intergovernmental relations; public finance, budgets, estimates; parliamentary process; elections; ombudsman; taxation; annual reports of municipalities; privatisation.
- PW PUBLIC WORKS:** government management of infrastructures; public utilities; waste management; fire control; emergency services; Crown land management.
- SA SOCIAL AFFAIRS:** social problems; social services; alcohol and drug problems; housing and public housing; adoption; wife abuse; families; women; Native peoples; minorities; handicapped; public welfare; unemployment; demography; veterans affairs; aged.
- SC SCIENCE & TECHNOLOGY:** agriculture; behavioural sciences; energy; environment; fisheries; forestry; life sciences; natural resources; physical sciences; planning; telecommunications; transportation.
- ST STATISTICS:** all material from Microlog that is included in the Canadian Statistics Index.
- TE TELECOMMUNICATIONS:** communications and broadcasting policy, regulation, technology; information systems; data base management; publishing; courriers and postal service; telephones; telex; communications satellites.
- TR TRANSPORTATION:** all modes of transportation; traffic planning and engineering; vehicles; transportation fuels and fuel conservation; roads and highways; pipelines.

## SPECIAL COLLECTIONS

- CI CRITICAL ISSUES:** newsworthy topics such as abortion, the environment, defence, and free trade.
- CF FISHERIES & OCEANS CANADA:** documents published by the Department of Fisheries and Oceans.
- CM CANADA CENTRE FOR MINERAL & ENERGY TECHNOLOGY (CANMET)**
- **NON-DEPOSITORY COLLECTIONS:** a bullet in the Abstracts Section indicates a document published by the federal government, but not issued through the Federal Depository Plan.



# COLLECTIONS DE MICROFICHES

Les publications incluses dans MICROLOG sont en vente sur microfiches, en collection complète ou en collections plus petites regroupant des titres par juridiction, par aire géographique ou par matière.

## COLLECTIONS GOUVERNEMENTALES

- CA FÉDÉRAL:** publications émises par le ministère des Approvisionnements et Services ou une agence fédérale, régies ou non par le Programme de dépôt.
- PR PROVINCIAL:** publications des gouvernements provinciaux.
- MU LOCAL/MUNICIPAL:** publications émises par les gouvernements locaux et municipaux, ou concernant une juridiction locale ou municipale.

## COLLECTIONS GÉOGRAPHIQUES

Les publications incluses dans ces collections sont publiées au niveau provincial ou concerne une province.

- AL ALBERTA**
- AP PROVINCES ATLANTIQUES:** Terre-Neuve, Nouvelle-Écosse, Nouveau-Brunswick, Île-du-Prince-Édouard.
- BC COLOMBIE-BRITANNIQUE**
- MS MANITOBA et SASKATCHEWAN**
- NO RÉGIONS DU NORD:** Territoires du Nord-Ouest, Yukon, régions arctiques, peuples autochtones, nord du 60e.
- ON ONTARIO**
- QU QUÉBEC**

## COLLECTIONS PAR MATIÈRE

- AG AGRICULTURE:** tous les aspects de l'agriculture; industries des breuvages et de l'alimentation; études des sols; eau en agriculture; industrie de la fourrure; bétail; cultures et climat; horticulture; viniculture.
- BS SCIENCE DU COMPORTEMENT:** comportement humain, alcoolisme et toxicomanie; enfance maltraitée; suicide; psychologie; criminologie; opinion publique et sondage.
- CO COMMERCE ET ÉCONOMIE:** affaires et finances; consommation; libre-échange; marketing; tourisme; assurance; caisses de retraite; taxe et évaluation foncière; budgets fédéral et provinciaux.
- CU CULTURE, LOISIRS ET SCIENCES HUMAINES:** arts; théâtre; sports; loteries; archéologie; histoire; sites historiques; chasse et pêche sportive; parcs; tourisme (aspect récréatif); linguistique; bibliothèques.
- ED ÉDUCATION:** guide pédagogique; financement des écoles et des universités; apprentissage; conventions collectives et caisses de retraite des enseignants.
- EN ÉNERGIE:** offre et demande; production; emmagasinement; transmission; réglementation; conservation; exploration; énergies douces; isolation.
- EV ENVIRONNEMENT:** pollution; politique de l'environnement; études d'impact; zones de conservation et gestion des parcs; accidents écologiques; déchets dangereux; faune; santé et environnement.
- EX AFFAIRES EXTÉRIEURES:** relations internationales; défense; aide étrangère; commerce international (libre-échange); immigration; guerre et armements.
- FI PÊCHE:** pêche commerciale; ressources halieutiques et aquatiques; biologie du poisson; aquiculture; écologie marine; loi de la mer.
- FO FORÊTS ET SYLVICULTURE:** écologie et exploitation forestière; produits de la forêt; incendies de forêts; reboisement; utilisation du bois comme énergie; pâtes et papier.

- HE SANTÉ ET MÉDECINE:** santé publique et services de santé; assurance-maladie; nutrition; statistique médicale; déontologie médicale; maladies et hygiène; santé et environnement; santé au travail (aspect pathologique).
- JU JUSTICE ET DROIT:** criminalité; services correctionnels; protecteur du citoyen; coroner; droits de la personne; activités policières; armes à feu; réforme du droit.
- LA TRAVAIL:** emploi, main d'oeuvre; santé et sécurité au travail; conventions collectives; formation et recyclage professionnel; salaires; accidents du travail; grèves.
- LS BIOLOGIE:** botanique; zoologie; génétique; biotechnologie; médecine.
- NP POPULATIONS AUTOCHTONES:** publications ayant trait aux peuples autochtones canadiens.
- NR RESSOURCES NATURELLES:** ressources du sol, aquatiques et minérales; améliorations foncières; contrôle des crues; hydrologie; océanographie; mines; géologie; techniques minières; métallurgie.
- PS SCIENCES PHYSIQUES:** sciences appliquées et technologie; mathématiques; physique; informatique; chimie; météorologie; hydrologie; géophysique; océanographie; sciences nucléaires; métallurgie; géologie; génie; astronomie; télécommunications.
- PL PLANIFICATION, LOGEMENT ET INDUSTRIE DE LA CONSTRUCTION:** planification, urbanisme et zonage; construction; bâtiment; rénovation domiciliaire; utilisation du sol; architecture.
- PA ADMINISTRATION PUBLIQUE:** politique et gouvernement; opérations gouvernementales; relations inter-gouvernementales; finances publiques et budget; processus parlementaire; élections; protecteur du citoyen; impôt; rapports annuels municipaux; privatisation.
- PW TRAVAUX PUBLICS:** gestion des infrastructures; services publics; élimination des déchets; protection contre l'incendie; services d'urgence; terres de la Couronne.
- SA AFFAIRES SOCIALES:** problèmes sociaux; services sociaux; alcoolisme et toxicomanie; logement public; adoption; femmes battues; familles; autochtones; minorités; handicapés; bien-être social; chômage; démographie; anciens combattants; personnes âgées.
- SC SCIENCE ET TECHNOLOGIE:** agriculture; science du comportement; énergie; environnement; pêche; sylviculture; biologie; ressources naturelles; sciences physiques; planification; télécommunications; transport.
- ST STATISTIQUES:** publications comprises dans Microlog et aussi incorporées à l'Index des statistiques du Canada.
- TE TÉLÉCOMMUNICATIONS:** communications et politiques de radiodiffusion; systèmes d'information; bases de données; édition; service postal et messagerie; téléphones; télex; satellites de communication.
- TR TRANSPORT:** tous les moyens de transport; gestion et génie du transport; véhicules; carburants; système routier; oléoducs et gazoducs; aspect de l'environnement du transport;

## COLLECTIONS PARTICULIÈRES

- CI SUJETS D'ACTUALITÉ:** sujets de l'heure comme l'avortement, l'environnement, la défense et le libre-échange.
- CF PÊCHES ET OCÉANS CANADA**
- CM CENTRE CANADIEN DE LA TECHNOLOGIE DES MINÉRAUX ET DE L'ÉNERGIE**
- **COLLECTIONS NON DÉPOSÉES:** un point dans la section Résumés indique une publication émise par le gouvernement fédéral, mais non régie par le programme de dépôt.

# Sample Microlog Search

*"How can a person from a foreign country  
qualify for refugee status in Canada?"*

The researcher can search in Microlog as in any library catalogue – by subject, author and title.  
Because the index is bilingual, searching can be done in English or in French.

## Recherche type avec Microlog

*"Comment une personne d'un pays étranger  
peut-elle demander le statut de réfugié au Canada?"*

La méthode de recherche dans Microlog est la même que dans une bibliothèque, puisque les documents sont indexés par auteur, par sujet et par titre. L'index étant bilingue, la consultation peut se faire en français ou en anglais.

### STEP 1/PREMIÈRE ÉTAPE

#### Find access point

#### Trouver le mode d'accès

#### ACCESS POINT 1/ACCÈS 1

By subject: look in the Subject Index.

Par sujet: consulter l'Index des matières.

#### Subject Index / Index des matières

##### Emigration and immigration

See also Immigrants; Refugees

The Convention refugee determination process in  
Canada. MICROLOG 88-00800 1 fiche

Humanitarian immigration and Canadian  
immigration policy.

MICROLOG 88-00814 1 fiche

Immigration and the Canadian labour market.  
MICROLOG 88-00700 1 fiche

##### Emigration et immigration

Voir aussi Groupes ethniques; Réfugiés

L'immigration et le marché du travail au  
Canada. MICROLOG 88-00700 1 fiche

L'immigration humanitaire et la politique  
canadienne de l'immigration.

MICROLOG 88-00814 1 fiche

La Reconnaissance au Canada du statut de  
réfugié au sens de la Convention.  
MICROLOG 88-00800 1 fiche

"See also" references can lead to other relevant documents.

La mention "Voir aussi" renvoie à d'autres documents connexes.

##### Refugees

The Convention refugee determination process in  
Canada. MICROLOG 88-00800 1 fiche

Humanitarian immigration and Canadian  
immigration policy.

MICROLOG 88-00814 1 fiche

##### Réfugiés

Profil statistique des revendicateurs du statut  
de réfugié. MICROLOG 88-00602 1 fiche

La Reconnaissance au Canada du statut de  
réfugié au sens de la Convention  
MICROLOG 88-00800 1 fiche

#### ACCESS POINT 2/ACCÈS 2

By author: look in the Name Index.

Par auteur: consulter l'Index des noms.

#### Name Index / Index des noms

##### Young, M.

L'Action positive et l'égalité en matière d'emploi  
MICROLOG 88-00795 1 fiche

Affirmative action/employment equity.  
MICROLOG 88-00795 1 fiche

The Convention refugee determination process in  
Canada. MICROLOG 88-00800 1 fiche

La Reconnaissance au Canada du statut de  
réfugié au sens de la Convention  
MICROLOG 88-00800 1 fiche



## ACCESS POINT 3/ACCÈS 3

By government agency: look in the Name Index.  
Par service gouvernemental: consulter l'Index des noms.

### Name Index / Index des noms

#### Canada. Library of Parliament. Research Branch

The Convention refugee determination process in Canada. MICROLOG 88-00800 1 fiche  
Crossing the floor and the party system.  
MICROLOG 88-00692 1 fiche  
The Disabled and the handicapped.  
MICROLOG 88-00804 1 fiche

#### Canada. Bibliothèque du Parlement. Service de recherche

La Reconnaissance au Canada du statut de réfugié au sens de la Convention.  
MICROLOG 88-00800 1 fiche  
La Réforme de la Loi sur le droit d'auteur.  
MICROLOG 88-00822 1 fiche  
Le Service canadien du renseignement de sécurité. MICROLOG 88-00836 1 fiche

## ACCESS POINT 4/ACCÈS 4

By title: look in the Title and Abstract Index.  
Par titre: consulter l'Index des titres et résumés.

### Title Index / Index des titres

#### The Convention refugee determination process in Canada

by M. Young Ottawa Library of Parliament  
Research Branch. 1987 13 p. Bibliogr.  
(Current issues review 86-26E)  
French ed. (La reconnaissance au Canada )  
on the same fiche  
SDN 0-660-12567-6 1 fiche  
MICROLOG 88-00800 1 fiche

The increase of refugee status claiming  
immigrants in Canada has led to a review of  
the immigration policy concerning this group.  
This report looks at the weaknesses of current  
legislation which is linked to the Geneva  
Convention and its Protocol, studying Canada's  
past adherence to the rights afforded under its  
protection. Also discusses public and  
government opinion on support for a  
humanitarian and generous refugee policy and  
questions of balancing efficiency with procedural  
fairness to claimants. Gives a chronology of  
events since 1969  
• CA EX JU

#### La Reconnaissance au Canada du statut de réfugié au sens de la Convention

par M. Young Ottawa Bibliothèque du  
Parlement Service de recherche. 1987  
14 p. Bibliogr. (Bulletin d'actualité 86-26F)  
L'éd. anglaise (The Convention refugee ) sur  
la même fiche  
SDN 0-660-92124-3 1 fiche  
MICROLOG 88-00800 1 fiche

Le processus de reconnaissance du statut de  
réfugié au sens de la Convention de Genève  
tel qu'il est énoncé dans la Loi sur  
l'immigration sert à déterminer si les  
personnes qui revendiquent ce statut y ont  
effectivement droit et peuvent bénéficier de la  
protection accordée aux réfugiés au sens de la  
Convention. Ce processus s'est avéré  
inadéquat tant au point de vue juridique que  
pratique. Dans ce bulletin, on examine les  
mécanismes en vigueur actuellement et le  
projet de réforme contenu dans la loi C-55  
déposé en mai 1987  
• CA EX JU

## ACCESS POINT 5/ACCÈS 5

By series: look in the Series Title Index.  
Par collection: consulter l'Index des titres de  
collections.

### Series Titles / Titres de collections

#### Current issues review. Canada Library of Parliament. Research Branch

86-26E The Convention refugee determination  
process in Canada.  
MICROLOG 88-00800 1 fiche  
87-1E Forest management in Canada.  
MICROLOG 88-00834 1 fiche  
87-6E Reform of the personal income tax  
system. MICROLOG 88-00829 1 fiche

#### Bulletin d'actualité. Canada. Bibliothèque du Parlement. Service de recherche

86-26F La Reconnaissance au Canada du statut  
de réfugié au sens de la Convention  
MICROLOG 88-00800 1 fiche  
86-31F L'Autonomie politique des Indiens.  
MICROLOG 88-00799 1 fiche  
87-5F La Station spatiale contribution du  
Canada. MICROLOG 88-00830 1 fiche

## STEP 2/DEUXIÈME ÉTAPE

### A unified search strategy

The search strategy should include all the monthly  
issues. Start with the most recent issue and work back.  
Monthly issues are cumulated annually.

### Établir une stratégie de recherche unifiée

La stratégie de recherche doit tenir compte de toutes  
les publications mensuelles, à commencer par les plus  
récentes. Chaque année, ces publications font l'objet  
d'une refonte.

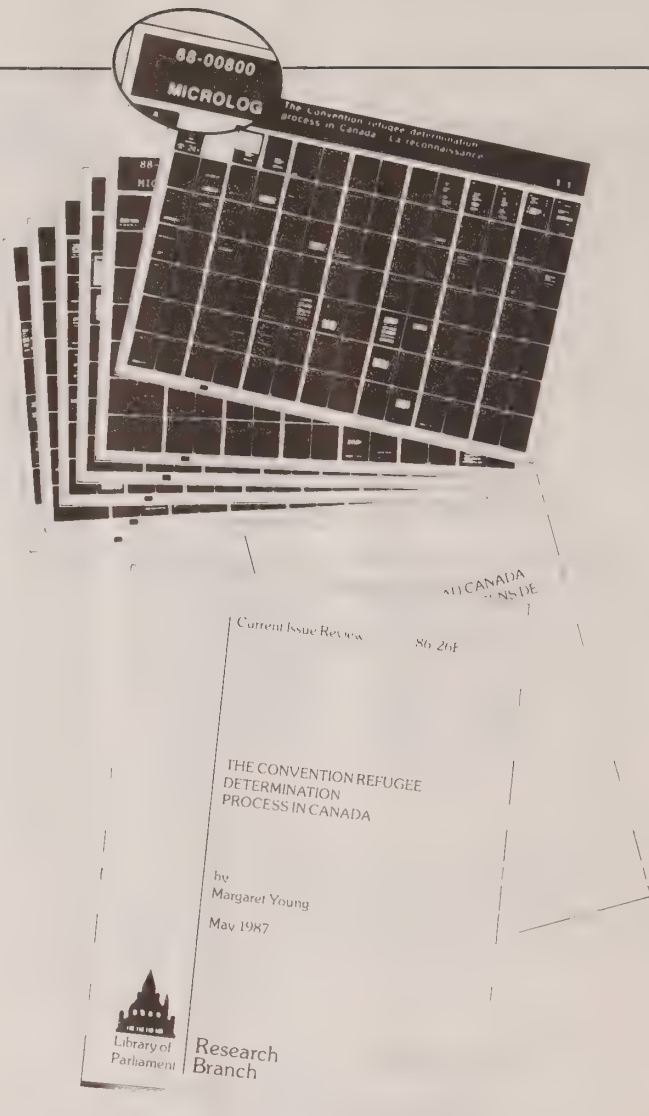
## STEP 3/TROISIÈME ÉTAPE

### Retrieve the publication

Each bibliographic citation gives a full description of the relevant document. Locate the document by the microfiche number in the library's collection or order from Micromedia. Individual publications are available for purchase on microfiche or paper. The bibliographic description provides publisher source information.

### Repérer la publication

Chaque notice bibliographique comprend une description complète du document; celui-ci peut être repéré grâce au numéro de microfiche de la bibliothèque; sinon, il faut le commander à Micromedia. On peut se procurer les monographies sur microfiches ou sur papier. La description bibliographique comporte également des indications sur l'éditeur.



## SAMPLE ENTRY / ENTRÉE PRINCIPALE TYPE

**Title** — The Convention refugee determination process in Canada  
by M. Young. Ottawa: Library of Parliament, Research Branch, 1987. 13 p. Bibliogr. (Current issues review; 86-26E)  
**Author, Place of publication, Publisher, Date of publication, Pagination** — French ed. (La reconnaissance au Canada.) on the same fiche  
**Series statement** — MICROLOG 88-00800 1 fiche  
**Notes** — The increase of refugee status claiming immigrants in Canada has led to a review of the immigration policy concerning this group. This report looks at the weaknesses of current legislation which is linked to the Geneva Convention and its Protocol, studying Canada's past adherence to the rights afforded under its protection. Also discusses public and government opinion on support for a humanitarian and generous refugee policy and questions of balancing efficiency with procedural fairness to claimants. Gives a chronology of events since 1969  
**ISBN** — 0-660-12567-6  
**Microfiche** —  
**Accession Number** —  
**Abstract** —  
**Fiche collections** — CA EX JU

**Titre** — La Reconnaissance au Canada du statut de réfugié au sens de la Convention  
par M. Young. Ottawa: Bibliothèque du Parlement, Service de recherche, 1987. 14 p. Bibliogr. (Bulletin d'actualité; 86-26F)  
**Auteur, Lieu de publication, Éditeur, Date de publication, Pagination** — L'éd. anglaise (The Convention refugee) sur la même fiche  
**Collection** — ISBN 0-660-92124-3  
MICROLOG 88-00800 1 fiche  
**Notes** — Le processus de reconnaissance du statut de réfugié au sens de la Convention de Genève, tel qu'il est énoncé dans la Loi sur l'immigration, sert à déterminer si les personnes qui revendiquent ce statut y ont effectivement droit et peuvent bénéficier de la protection accordée aux réfugiés au sens de la Convention. Ce processus s'est avéré inadéquat, tant au point de vue juridique que pratique. Dans ce bulletin, on examine les mécanismes en vigueur actuellement et le projet de réforme contenu dans la loi C-55 déposé en mai 1987  
**ISBN** —  
**Numéro d'ordre de la microfiche** —  
**Résumé** —  
**Collections de microfiches** — CA EX JU



# TITLES AND ABSTRACTS

## TITRES ET RESUMES

### 1891 census : Restigouche County, New Brunswick

New Brunswick Genealogical Society.  
Restigouche Branch. Fredericton : Provincial Archives of New Brunswick, 1989. 2 v.  
Contents: Vol. I : Addington, Colbourne, Dalhousie -- vol. II : Durham, Eldon, Index. Bilingual (Recensement 1891...). ISBN 1-55048-187-8  
MICROLOG 90-02229 6 fiche

This census contains the names of all family members, their sex, ages, birthplace, religion, origins, and occupations. It includes census returns from seven parishes. An index follows each parish, and contains the names of all family members as well as individual entries for servants, lodgers, transients, and visitors.  
AP PA PR

### 1984 mid year review

Charlottetown : Dept. of Finance and Tourism, Economics, Statistics and Fiscal Analysis Division, 1984. 14 p. : ill. (Economic trends : no. 24) CSI 61104.005.  
MICROLOG 90-06913 1 fiche

This document provides a description of the economic situation in the first half of the year based upon available statistics on the economy. Statistics include economic trends, the Canadian dollar, the labour force and population, increase of wage, unemployment insurance benefits paid, percentage growth of retail trade, percentage change in farm cash receipts, and lobster landings from January to July. A summary and conclusions end this report.  
AP CO PR

### 1986 census highlights on registered Indians : annotated tables

by G.Y. Larocque and R.P. Gauvin. Ottawa : Indian and Northern Affairs Canada, 1989. vii, 31 p. CSI 21113.225. ISBN 0-662-17172-1  
MICROLOG 90-06567 1 fiche

Provides a comparative description of key socio-demographic conditions of registered Indians in Canada, the provinces, and the territories. It draws comparisons among the situation of on- and off-reserve Indians, the general population and the population residing in communities with comparable circumstances near reserves.  
CA NP SA

### 1986 Hamilton air quality

by F. Dobroff. Toronto : Ministry of the Environment, West Central Region, 1988. vi, 90 p. : ill., maps. Bibliogr. CSI 55123.021. ISSN 0836-0529  
MICROLOG 90-02407 2 fiche

The Ontario Ministry of the Environment operates a network of ambient air monitors throughout Hamilton, concentrated in the lower city, with the major station (Barton/Sanford) providing the data which formed the basis for the Hamilton Air Pollution Index (API). In 1985, 3 new major air monitoring stations were established in preparation for the new Air Quality Index. This report gives the results of a computer program known as a 'pollution rose', a cross-tabulation of hourly pollutant concentrations with wind direction classes, illustrated on various diagrams. For each 'rose' presented, the length of each line drawn is proportional to the average concentration of

a pollutant when the wind was blowing from that direction.  
EV MU ON PR SC ST

### 1987 energy performance of R-2000 homes update : an analysis of measured energy consumption in R-2000 homes and updated comparisons with the R-2000 target and computer predictions for homes built to current building practice

Ottawa : Energy, Mines and Resources Canada, Energy Efficiency Technology Division, R-2000 Home Program, 1987. iii, 56 p. Bibliogr. (Technical report : 034-MR)  
MICROLOG 90-02489 1 fiche

This report presents the results of energy consumption monitoring from 1985-87 in a sample of R-2000 homes. The report examines different factors affecting energy consumption, determines if R-2000 homes are performing to energy targets, and compares R-2000 home consumption with predicted consumption if built to the 1975 National Building Code and the 1983 Measures for Energy Conservation standards. Space heating, total energy, domestic hot water and light, and appliance consumption are analyzed separately and further subdivided by space heating fuel type and different home characteristics such as interior heated volume.  
CA EN PL PS SC

### 1987 report of the Superintendent of Insurance : insurance statistics for Newfoundland and Labrador

Newfoundland. Superintendent of Insurance. St. John's : The Superintendent, 1988. 57 p. CSI 49114.001.  
MICROLOG 90-05862 1 fiche

This annual report contains a register of insurance companies licensed to transact business in the province and includes statistical data on the operations of these companies. It also provides statistics regarding the licensing of insurance agents, companies, and adjusters, and examinations administered by the Department.  
AP CO PR

### The 1988 British Columbia assessment of reading and written expression : technical report

by S. Jeroski. Victoria : Ministry of Education, Student Assessment Branch, 1989. vii, 277 p. Bibliogr. ISBN 0-7718-8857-0  
MICROLOG 90-00019 3 fiche

This report describes the procedures and results of the Assessment which examined achievement, attitude, and background characteristics of more than 100,000 B.C. students in grades 4, 7, and 10. It also summarizes the conclusions and recommendations which were derived from the results.  
BC ED PR

### The 1988 fenitrothion monitoring study on songbird brain cholinesterase activity

S. Fudge & Associates Limited. Corner Brook, Nfld. : Dept. of Forestry, 1989. vii, 66 p. : ill., maps. Bibliogr.  
MICROLOG 90-01179 1 fiche

An aerial spray program was conducted beginning in 1985 to control an outbreak of the eastern hemlock looper in insular Newfoundland. The main insecticide used was fenitrothion. Monitoring was undertaken to assess the effect of the fenitrothion on forest songbirds such as white-throated sparrows through brain cholinesterase (ChE) activity. This report presents the results of the 1988 survey and compares them with those of previous years.  
AP EV FO PR SC

### 1988 National Folk Arts Conference : proceedings

National Folk Arts Conference (1988 : Winnipeg, Man.). Ottawa : Canadian Conference of the Arts ; Multiculturalism and Citizenship Canada, 1988. i, 189 p. : ill. French ed. (Conférence nationale 1988...) on the same fiche. ISBN 0-662-57228-9  
MICROLOG 90-07019 5 fiche

The mandate of the Conference was to review developments in the folk arts in Canada; to examine the current issues in this community; to discuss directions for the future; to identify opportunities for the Canadian Government and its national agencies to assist in their further development. This document contains the Chair's report, the opening plenary, workshop summaries, the luncheon address, the dinner address, and the closing plenary.  
CA CU

### 1988 provincial budget submission

Toronto : Association of Municipalities of Ontario, 1988. 13 p. (AMO report : report series 1988 : 88-3)  
MICROLOG 90-00848 1 fiche (Available on fiche only)

This document presents information on unconditional grants, infrastructure funding, affordable housing, social services, education funding, and federal tax reform.  
CO MU ON PA

### The 1988 report of the Advisory Committee on Special Needs to the Minister of Education

Manitoba. Manitoba Education. Advisory Committee on Special Needs. Winnipeg : The Committee, 1988. 47 p.  
MICROLOG 90-05596 1 fiche

Presents a philosophy statement for special needs and basic principles of educational equity. It also discusses mainstreaming, professional development and education, home and school partnership, educational program and service accountability, research and evaluation, and special education finance. It includes a summary of recommendations.  
ED MS PR

### 1988 report on fishing vessel performance

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. 64 p. : map. (Economic and commercial analysis report ; no. 34) ISSN 0843-5626  
MICROLOG 90-00962 1 fiche

Certain components of the Scotia Fundy fleet are surveyed yearly for vessel performance information, with approximately 1/3 of the active fleet covered each year. At the end of a 3-

year cycle, samples of the entire active Scotia Fundy fleet under 65' length overall have been surveyed. The 1988 vessel performance survey focused on those vessels which were mainly involved in harvesting groundfish, and included descriptions of vessel physical characteristics, investment profiles, catch and effort and financial performance.

• AP CA CF FI SC

### The 1988 survey of international students in Canadian universities

by J. De Vries and S. Richer. Ottawa : Dept. of the Secretary of State, 1988. v, 45 p. French ed. (*L'enquête de 1988...*) on the same fiche. CSI 21120.006.  
MICROLOG 90-00564 2 fiche

This publication presents the results of a survey which covered the following topics: preparing to come to Canada, experiencing Canada, background characteristics, and possible changes in policy. International students were surveyed from 20 universities. Of a target sample of 2,789 students, 1,487 completed the questionnaire.  
CA ED EX ST

### 1988 traffic map statistics

Manitoba. Dept. of Highways and Transportation. Winnipeg : The Dept., 1988. 90 p. CSI 41114.004.  
MICROLOG 90-01301 1 fiche

Listing of traffic count points by highway number, giving count number, annual average daily traffic, and percentage of trucks.  
MS PR SC ST TR

### 1988-89 budget : supplementary estimates no. 3 for the fiscal year ending March 31, 1989

Québec (Province). Conseil du trésor. Québec : The Conseil, 1989. 16 p. French ed. (*Budget 1988-89...no 3...*) on the same fiche. CSI 66100.012. ISSN 0709-3721 ISBN 2-550-19551-5.  
MICROLOG 90-04026 1 fiche

Contains a general summary of expenditures, and provides supplementary estimates for education, enseignement supérieur et science, main-d'oeuvre et sécurité du revenu, and régime de l'assurance-maladie du Québec.  
CO PA PR QU

### 1988-89 park user statistics : fiscal year summary

Edmonton : Alberta Recreation and Parks, Provincial Parks Service, Parks Division, 1989. viii, 572 p. : ill., maps. CSI 34113.003.  
MICROLOG 90-00688 6 fiche

Summary of park user statistics for the 1988/89 fiscal year for the province and for each region by individual park. Methodology and a glossary are also given. Data is given for camping, day use, group use, and fixed roof accommodation, divided by month and day.  
AL CU PR ST

### The 1989 bow hunt, Nova Scotia

by A. Patton. Halifax : Dept. of Lands and Forests, 1990. 9 p. (Technical note ; no. 61) CSI 51111.009.  
MICROLOG 90-05080 1 fiche

Results of the second year of bowhunting-only season in Nova Scotia, detailing deer kill by county, sex, age, and weight for 1989 compared with 1988. Data is also given on bowhunting for 1969-89. Other data include wildlife sightings by type from 1969-89.  
AP CU PR ST

### 1989 community profiles : a guide to the 56 communities in northern Manitoba under the jurisdiction of the Northern Affairs Act

Winnipeg : Manitoba Northern Affairs, 1989. 110 p. : ill. CSI 41120.004.  
MICROLOG 90-06261 2 fiche

These profiles provide an overview of the people, services, and infrastructure in northern Manitoba. It identifies key contacts in the communities, as well as additional information on population, recreation and tourist facilities, businesses, utilities, economic and commercial development, industries and adjacent Indian reserves.  
MS NO NP PR

### 1989 Cryogenic Engineering Conference/International Cryogenic Materials Conference : trip report

by J.R. Robins. Toronto : Ontario Hydro, Research Division, 1989. 10 p. : Bibliogr. (Report ; no. 89-280-K)  
MICROLOG 90-03523 1 fiche

Report on the conference, covering conventional and high temperature superconductors, low temperature engineering and materials handling, aerospace cryogenics, closed-cycle cryogenic refrigerators, and cryogenic insulation. A major equipment show was also associated with the conference.  
EN ON PR PS SC

### 1989 farm fatalities

Edmonton : Alberta Agriculture, Farm Safety Program, 1990. 9 p. CSI 34101.217.  
MICROLOG 90-03738 1 fiche

Data on farm fatalities for 1989, along with comparative information from 1980-89. The report gives the type of accident, location, age of victim, time of year, and cause of death.  
AG AL PR SC ST

### 1989 field validation of the proposed ice Regime Shipping Control System onboard MV Lucien Paquin

submitted to Arctic Ship Safety, Canadian Coast Guard Northern ; by D. Wells. Ottawa : Norland Science and Engineering Ltd., 1990. viii, 79 p. : maps. Bibliogr.  
MICROLOG 90-07207 1 fiche

This report presents the findings of a field program to conduct a trial evaluation of the ice regime shipping control system, proposed as part of the revisions to the Canadian Arctic shipping pollution prevention regulations. The shipboard work was conducted onboard MV Lucien Paquin, a general cargo vessel, during the 1989 eastern Arctic sealift and involved operations in Foxe Basin, NWT, during the first half of September. The field trial involved generating experimental ice regime charts for broadcast to the study ship; monitoring the reception and utilization in voyage planning of all ice information products received on the vessel's bridge; and monitoring environmental and navigational particulars during the transit. In post-voyage analysis, ice conditions depicted on the charts were compared to those actually encountered, and an assessment was made of the impact of the regulatory proposal on the advisability of operations of all ice class ships. An assessment was also made of the apparent workability of the ice regime control system.  
CA NO PS SC TR

### 1989 guide to the activities of the Panel on Energy Research and Development of the Government of Canada

Ottawa : Energy, Mines and Resources Canada, Office of Energy Research and Development, 1989. i, 19, i, 23 p. Bilingual (*Guide 1989 des activités...*). ISBN 0-662-56452-9  
MICROLOG 90-01227 1 fiche

Annual report of the Panel, giving an overview of the program and the contracting process, and outlines of the programs in energy efficiency, coal, fusion, renewable energy and generic environment, alternative transportation fuels, and oil, gas and electricity.  
CA EN PS SC

### 1989 Northern Water Safety Program report

by L. Stowe. Winnipeg : Manitoba Culture, Heritage and Recreation, 1989. 107 p. : ill. MICROLOG 90-04946 2 fiche

The Northern Water Safety Program provides summer water safety instruction, including respect for the water, promotion of lifejackets and boating safety, rescue techniques and water survival, and trains native youth to become aquatic leaders in remote Indian and Metis communities throughout Manitoba. This report describes the program, its delivery partners, a summary of the program in 1989, and comments and recommendations from the instructors, managers and coordinators.  
CU MS PR

### 1989 park user statistics : peak season summary

Edmonton : Alberta Recreation and Parks, Provincial Parks Service, 1990. viii, 331 p. CSI 34113.004.  
MICROLOG 90-05767 4 fiche

Summary of park user statistics for the 1989 peak season, collected through park user statistics summary sheets and day use - automatic traffic counters. Data were collected for provincial parks, sub-districts within Kananaskis County, and provincial recreation areas, including data for camping and day use. Data is presented by region and park and includes camping use, campground occupancy data, day use and historical comparisons for 5 years, as well as overall data on party size, individual campers and group campers, occupancy, and length of stay.  
AL CU PR ST

### 1989 répertoire législatif de l'Assemblée nationale

Québec : Gouvernement du Québec, Assemblée nationale, Direction de la législation, 1990. 153 p. CSI 65101.002.  
MICROLOG 90-05124 2 fiche

Ce treizième répertoire législatif annuel comporte, comme les années antérieures, un sommaire de l'activité législative de l'Assemblée nationale au cours de l'année 1989. La liste, sous forme de table de concordance, des lois adoptées en 1989 inclut les lois publiques et les lois privées et de députés, mais les fiches descriptives de chaque loi de même que le tableau des modifications ne concernent que les lois publiques.  
PA PR QU

### 1989 report on bridge deck waterproofing

by R.C. Evers and D.F. Lynch. Toronto : Ministry of Transportation, Materials Information, Engineering Materials Office, 1990. 8 p. : ill. (Materials information report ; MI-138) ISBN 0-7729-6636-2  
MICROLOG 90-02631 1 fiche

Review of waterproofing thickness reports from across the province for the year. Samples were tested for 6 factors and were analyzed for material thickness and material quality. Field documentation was also prepared and recommendations are given.  
BS ON PR PS SC TR

### 1989 survey and inventory of commercial space : Halifax Metropolitan Area

Halifax : Dept. of Industry, Trade and Technology, Statistics and Research Services,



1989. 45 p. : fold. maps. *CSI 51103.005.*  
MICROLOG 90-00301 1 fiche

This survey examines inventory and additions, occupancy levels, and rental rates, for office space, retail space, and wholesale/warehouse space.  
AP CO MU PL PR

**1989 tourist exit survey, May 15-October 31**

Charlottetown : Dept. of Tourism and Parks ;  
Ottawa : Industry, Science and Technology  
Canada, 1989. 42 p. *CSI 62137.005.*  
MICROLOG 90-07064 1 fiche

Report presents findings obtained from a survey of tourists exiting Prince Edward Island by air and auto between May 15 and October 31, 1989. The information derived from the survey presents a continuation of the data collection process introduced in 1971. Data is presented by air and auto combined. The questionnaire and methodology are included. Data is presented in the categories of visitor profiles (number, type, mode of travel, season, area of origin, occupation, education, purpose, age), camper profiles, awareness of festivals and events, awareness of Anne of Green Gables, winter recreation and awareness of island products.  
AP CU PR ST

**1989-90 budget : budget speech and additional information**

Quebec : Gouvernement du Québec, Ministère des finances, 1989. 247 p. : ill.  
*CSI 66120.003E.* ISSN 0839-8429 ISBN 2-5510-8383-4  
MICROLOG 90-00730 3 fiche

Includes the text of the speech, and appendices on fiscal and budgetary measures, medium-term outlook for the Quebec government's financial position, the government's financial position and borrowings in the public sector, a review of the economic situation in 1988, a government strategy for supporting research and development by the private sector, and corporate taxation.  
CO PA PR QU ST

**1989-90 budget : supplementary estimates no. 1 for the fiscal year ending March 31, 1990**

Québec (Province). Conseil du trésor.  
Québec : The Conseil, 1989. 52 p.  
*CSI 66100.009.* ISSN 0709-3721 ISBN 2-550-19829-8  
MICROLOG 90-03337 1 fiche

This document provides supplementary estimates for Affaires culturelles; Affaires internationales; Affaires municipales, Énergie et Ressources; Enseignement supérieur et Science; Environnement; Finances; Industrie, Commerce et Technologie; Loisirs, Chasse et Pêche; Main-d'œuvre et Sécurité du revenu; Revenu; Santé et Services sociaux; and Transports.  
CO PA PR QU

**1989-90 budget : supplementary estimates no. 2 for the fiscal year ending March 31, 1990**

Québec (Province). Conseil du trésor.  
Québec : The Conseil, 1990. 49 p. *French ed (Budget 1989-90...no 2...)* : 90-03288/1.  
*CSI 66100.010E.* ISSN 0709-3721 ISBN 2-550-20322-4  
MICROLOG 90-03289 1 fiche

Provides supplementary estimates for Agriculture, Pêcheries et Alimentation; Communautés culturelles et Immigration; Enseignement supérieur et Science; Environnement; Finances; Industrie, Commerce et Technologie; Main-d'œuvre, Sécurité du revenu et Formation professionnelle; persons designated by the National Assembly; Santé et Services sociaux; Sécurité publique; and

Transports.  
CO PA PR QU

**1990 annual report relating to the Canada/New Brunswick Agreement Respecting a Sulphur Dioxide Emission Reduction Program for the calendar year 1989**

Fredericton : Environment New Brunswick, 1990.  
8 p. *CSI 45112.007.*  
MICROLOG 90-04151 1 fiche

Annual report of the Agreement, signed in 1987, which committed New Brunswick to reducing emissions of acid rain causing sulphur dioxide by 50%. The report summarizes the impact of long-standing provincial policies and legislation on SO<sub>2</sub> emissions, progress since 1980, projections for the future, control options, and monitoring efforts. The report describes the legislation and environmental policy relating to control of the emissions in general, then relates this legislation to thermal electric power generation, pulp mills, mining and smelting, the Irving oil refinery, industrial boilers and the energy supply in the province. Deposition trends are also given.  
AP CA EV PR SC ST

**1990 budget**

Hamilton-Wentworth (Ont.). Hamilton, Ont. : The Municipality, 1990. 128 p. : ill. *CSI 89156.002.*  
MICROLOG 90-07245 2 fiche

A budget overview precedes information on current and capital budgets by function for general government services, protection to persons and property, transportation services, environmental services, health services, social and family services, recreation and cultural services, and economic development and planning.  
CO MU ON PA

**1990 budget, Newfoundland and Labrador**

St. John's : Dept. of Finance, 1990. 59 p. : ill.  
*CSI 48106.002.*  
MICROLOG 90-05637 1 fiche

This document addresses the economy, federal-provincial issues, the financial position, the budget strategy, revenue measures, economic development initiatives, health care initiatives, and education initiatives.  
AP CO PA PR ST

**1990 business directory : Chaleur Region**

Bathurst, N.B. : Chaleur Regional Development Commission Inc., 1990. vi, 28 p.  
*CSI 46178.002.*  
MICROLOG 90-04896 1 fiche

The Directory provides information on 282 companies engaged in forestry, mining, manufacturing, and processing and related services, construction, transportation, communication, and wholesale trade. It identifies the types of products and services provided by each company.  
AP CO MU

**1990 directory of commercial aircraft and operations**

Fredericton : Forest Fire Protection Branch, 1990. 21 p.  
MICROLOG 90-04066 1 fiche

Directory listing the aircraft available from each air carrier (aircraft operator), covering make and model; quantity registration and model year; wing and seat placement; capacities; cruise speed; flight duration; and tariff (negotiable, short term charter, long term charter, lay over charges, free ground time, fuel type capacity and consumption).  
AP PR SC TR

**1990 electricity plan : a perspective on supply and demand options**

B.C. Hydro. Victoria : B.C. Hydro, 1990.  
32 p. : ill. *An Introduction to the 1990 electricity plan (11 p.) laid in.* *CSI 38100.002.*  
ISSN 1180-2561  
MICROLOG 90-06902 1 fiche

This document presents B.C. Hydro's perspective on future electrical services, including a plan for the allocation of electricity resources to meet those needs. The document is based on the 1989 resource plan, with the addition of such factors as the government's decision to repatriate downstream benefits under the Columbia River Treaty starting in 1998, and the additional information obtained on other programs during the past year. The document describes the planning process; corporate policies and directions, particularly as they relate to the environment and public consultation; reviews the past year's events and programs; describes and evaluates the development options available; and provides an action plan. A separate document presents a perspective on the future electrical services required and the development options available to meet the need. A probable demand forecast is presented, along with development options and strategy for both generation and transmission.  
BC EN PR SC ST

**1990 guide to chemical weed control**

prepared by Manitoba Agriculture ; in co-operation with weed research personnel in industry, the University of Manitoba and Agriculture Canada. Winnipeg : Manitoba Agriculture, 1990. vi, 220 p. : ill.  
*CSI 41100.017.*  
MICROLOG 90-05055 3 fiche

Information on the use of registered herbicides applicable in Manitoba. General information on the safe use of herbicides is first given, then recommendations are given by type of crop (field, seedling forage, established forage, pastures, horticultural, parks and golf courses). Information on non-crop weed control is also included. For each crop, information is given on product trade names and formulation concentration, application timing, rates, application, water volume, pressure, nozzles, incorporation, tank mixes, restrictions and environmental precautions.  
AG MS PR SC

**1990 Mackenzie River stage forecast : users guide**

by J.N. Jasper. Yellowknife : Environment Canada, Conservation and Protection, Inland Waters Directorate, Western and Northern Region, 1990. i, 14 p. : ill.  
MICROLOG 90-06697 1 fiche

The Mackenzie River stage forecast produces daily water levels for 17 hydrometric stations, providing forecast users with current readings for 8 primary locations, as well as a 3-day forecast for 3 critical locations (Norman Wells for Esso Resources oilfield operations; Sans Sault Rapids and the Ramparts at Fort Good Hope for river barge operators). Current water levels in the South Nahanni Park are also provided. This guide is designed to inform users of this forecast on the hydrometric (water level) observation network, data reporting and analysis, and the forecast distribution process, as well as to provide samples of the forecast and an illustration of its accuracy.  
NO NR PR PS SC

**1990 municipal officials**

Winnipeg : Manitoba Rural Development, 1990.  
69 p. : maps. *CSI 41118.004.* ISSN 0715-6804  
MICROLOG 90-05123 1 fiche

Contains the names and addresses of all elected and appointed municipal officials; a



listing of municipal organizations and their executives, and a directory of key contact people in the department and across government.  
MS MU PA PR

### The 1990 New Brunswick budget

address by Allan E. Maher, Minister of Finance. Fredericton : The Dept., 1990. 32, 31 p. : ill. *Highlights (11, 12 p.) laid in Bilingual (Budget de 1990...)*. CSI 45105 002 ISSN 0833-5680 ISBN 1-55048-283-1 MICROLOG 90-04022 2 fiche

This document presents the budget plan, discusses new initiatives for job creation, improvements to social programs, the environment, expenditure management, and revenue issues.  
AP CO PA PR

### 1990 Ontario budget

Ontario. Ministry of Treasury and Economics. Toronto : The Ministry, 1990. 68 p. : ill. *Highlights (16 p.) laid in. French ed. (Le Budget de l'Ontario...)* : 90-06390/2. CSI 55121.006. ISSN 0381-2332 MICROLOG 90-06065 1 fiche

The budget presents fiscal support for measures aimed at continued economic expansion, a clean environment, a balanced development for Ontario, and improving social services. Property assessment, federal goods and services tax, revenue renewing federal-provincial fiscal relations and a conclusion is also included in this document. Five budget papers are included featuring details of revenue changes, economic outlook, fiscal review and outlook, expenditure profile of the Ministry of Colleges and Universities and the costs of Public Services. An index ends the document.  
CO ON PA PR

### 1990 summary of backlog not satisfactorily restocked forest land

Victoria : Ministry of Forests, 1990. iv, 35 p. ill., maps. *At head of title: Silviculture* CSI 37107.006. ISBN 0-7726-1111-4 MICROLOG 90-06772 1 fiche

The 1984 forest and range resource analysis estimated that there were 738,000 ha of good and medium site Crown land that had been harvested, burned by wildfire, destroyed by pests or other damage and were classified as backlog (pre-1982) not satisfactorily restocked (NSR). Under a federal/provincial agreement, there has been an increase in restocking activities. This summary of NSR land updates the 1988 version, providing data on B.C. forest lands; a comparison of the 1984, 1988 and 1990 backlog; and a review of the regional pre-1982 backlog.  
BC FO PR SC ST

### 1990 survey and inventory of commercial space : Halifax Metropolitan Area

Halifax : Dept. of Industry, Trade and Technology, Statistical Services, 1990. 45 p. maps. CSI 51103.005 MICROLOG 90-06554 1 fiche

This survey examines the commercial and industrial leasing market in the cities of Halifax and Dartmouth, the town of Bedford and other areas of Halifax Metro. The market parameters assessed by these results include the inventory for retail and office space, as well as vacancy and rental rates for both commercial and industrial space.  
AP CO MU PL PR

### 1990-91 budget : additional information : estimates

Québec (Province). Conseil du trésor. Québec : The Conseil, 1990. 94 p. : ill. CSI 66100.007. ISSN 0706-0327 ISBN

2-550-20513-8  
MICROLOG 90-07248 1 fiche

This expenditure budget determines the amount of financial resources the government plans to allocate to the production of public goods and services. It displays the estimates requested by the government for the fiscal year beginning April 1, 1990. This document provides additional information on those estimates and on the budgetary expenditure. It contains a presentation of the government's spending policy with complementary notes which provide an explanation of the budgetary transactions, information on the evolution of total expenditure and estimates, their distribution by broad government mission and by domain of activity, and their distribution by expenditure category, and highlights of the estimates for 1990-91 by department and by program.  
CO PA PR QU

### 1990-91 budget : budget speech and additional information

Québec (Province). Ministère des finances. Québec : The Ministère, 1990. 223 p. : ill. *French ed. (Budget 1990-91 : discours...)* 90-05096/3. *Highlights (31 p.) laid in.* CSI 66120.003 ISBN 2-551-14076-5 MICROLOG 90-05111 3 fiche

This speech presents the Minister's seven major objectives of this budget. These are: supporting the economy, training qualified manpower, adapting the taxation system to foster Quebec's economic development, meeting the challenge of the environment, improving individual taxation and assisting families, increasing efficiency in the public sector, and financial framework. Concluding the speech are five appendixes presenting the: fiscal and budgetary measures, medium-term outlook for the Quebec government's financial position, the government's financial position and borrowings in the public sector, review of the economic situation and outlook, and Quebec's public finances.  
CO PA PR QU ST

### 1990-91 capital fund estimates

Alberta. Edmonton : The Province, 1990. 21 p. CSI 34118.008 ISBN 0-7732-0194-7 MICROLOG 90-03731 1 fiche

This document presents estimates of expenditure proposals associated with construction, renovating, furnishing and equipping post-secondary education facilities, hospitals and nursing homes, water development projects, and infrastructures associated with economic development projects and certain government facilities.  
AL CO PA PR

### 1990-91 estimates of proposed investments : votes by project

Alberta Heritage Savings Trust Fund. Capital Projects Division. Edmonton : The Division, 1990. 27 p. CSI 36029.002. ISBN 0-7732-0195-5 MICROLOG 90-03740 1 fiche

The estimates present to the Legislative Assembly the investment proposals being made for the Capital Projects Division of the Alberta Heritage Savings Trust Fund. Capital Projects Division investments are made in projects which will provide long-term economic or social benefits to the people of Alberta but which may not necessarily by their nature yield a return to the Trust Fund.  
AL CO PA PR

### 1990-91 estimates, part I : the government expenditure plan

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 81, 87 p. *Bilingual (Budget...plan de dépenses...)*. CSI 21104.012. ISBN 0-660-55675-8 MICROLOG 90-03283 2 fiche

The Estimates communicate to Parliament the level and nature of the federal government's spending plans for the coming fiscal year. Part I gives Parliament an overview and situates the estimates in the context of the overall expenditure framework. It covers the policy sector resource envelopes which include the level of resources allocated for all elements of departmental activity and defines the resources earmarked for maintaining, developing and implementing policies and programs. Focuses also on person-years and presents an overall person-year summary. Presents totals for transfer payments, payments to Crown corporations and operating and capital expenditures. Also addresses items which represent investments requiring parliamentary approval.  
CA CO PA

### 1990-91 estimates, part III : Agriculture Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 190, 210 p. : ill. *Bilingual (Budget des dépenses...Agriculture...)* CSI 21104.055. ISBN 0-660-55568-9 MICROLOG 90-03716 5 fiche

This document provides Estimates detail for the department and its programs primarily in terms of the results expected and the money spent. It begins with an overview of the roles and responsibilities of the portfolio and the spending plan for the coming fiscal year. This format is followed for the department and each of the programs administered. Administrative information includes a profile of financial requirements by object, personnel requirements, capital expenditures, transfer payments, revenue, loans, investments and advances, and the net cost of the program. Details include such information as personnel requirements, by occupational group, authorized person-years, and current salary range. Program descriptions include formal programs as well as activities related to government policy.  
CA CO PA

### 1990-91 estimates, part III : Atlantic Canada Opportunities Agency

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 52, 56 p. *Bilingual (Budget des dépenses...Agence de promotion...)*. CSI 21104.091. ISBN 0-660-55639-1 MICROLOG 90-03724 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Atomic Energy Control Board

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 26, 28 p. : ill. *Bilingual (Budget des dépenses...Commission...)*. CSI 21104.061. ISBN 0-660-55581-6 MICROLOG 90-03691 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Canada Labour Relations Board

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 19, 20 p. *Bilingual (Budget des dépenses Conseil...)* CSI 21104.080. ISBN 0-660-55593-X MICROLOG 90-03709 1 fiche



The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Advisory Council on the Status of Women**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 26, 27 p. *Bilingual (Budget des dépenses...Conseil...)*  
CSI 21104 070 ISBN 0-660-55624-3  
MICROLOG 90-03700 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Centre for Management Development**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 31, 32 p. *Bilingual (Budget des dépenses...Centre...)*  
CSI 21104 035 ISBN 0-660-55647-2  
MICROLOG 90-03660 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Centre for Occupational Health and Safety**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 44, 45 p. : ill. *Bilingual (Budget des dépenses...Centre...)*  
CSI 21104 082 ISBN 0-660-55632-4  
MICROLOG 90-03711 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Human Rights Commission**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 27, 27 p. *Bilingual (Budget des dépenses...Commission...)*  
CSI 21104 085 ISBN 0-660-55587-5  
MICROLOG 90-03714 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Intergovernmental Conference Secretariat**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 19, 20 p. *Bilingual (Budget des dépenses...Secrétariat...)*  
CSI 21104 067 ISBN 0-660-55620-0  
MICROLOG 90-03697 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian International Development Agency**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 71, 74 p. : ill.

*Bilingual (Budget des dépenses...Agence...)*  
CSI 21104 019 ISBN 0-660-55614-6  
MICROLOG 90-03647 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian International Trade Tribunal**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 24, 24 p. *Bilingual (Budget des dépenses...Tribunal...)*  
CSI 21104 047 ISBN 0-660-55584-0  
MICROLOG 90-03680 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Radio-Television and Telecommunications Commission**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 44, 49 p. : ill. *Bilingual (Budget des dépenses...Conseil...)*  
CSI 21104 056 ISBN 0-660-55570-0  
MICROLOG 90-03687 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Secretariat**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 18, 18 p. *Bilingual (Budget des dépenses...Secrétariat...)*  
CSI 21104 038 ISBN 0-660-55651-0  
MICROLOG 90-03663 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Space Agency**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 19, 19 p. *Bilingual (Budget des dépenses...Agence...)*  
CSI 21104 037 ISBN 0-660-55650-2  
MICROLOG 90-03662 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Canadian Transportation Accident Investigation and Safety Board**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 29, 31 p. *Bilingual (Budget des dépenses...Bureau...)*  
CSI 21104 099 ISBN 0-660-55654-5  
MICROLOG 90-04291 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Civil Aviation Tribunal of Canada**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government

Publishing Centre, 1990. 17, 17 p. *Bilingual (Budget des dépenses...Tribunal...)*  
CSI 21104 089 ISBN 0-660-55636-7  
MICROLOG 90-03722 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Communications Canada**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 102, 110 p. : ill. *Bilingual (Budget des dépenses...Communications...)*  
CSI 21104 031 ISBN 0-660-55569-7  
MICROLOG 90-03655 3 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Competition Tribunal of Canada**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 15, 15 p. : ill. *Bilingual (Budget des dépenses...Tribunal...)*  
CSI 21104 050 ISBN 0-660-55576-X  
MICROLOG 90-03683 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Consumer and Corporate Affairs Canada**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 79, 84 p. : ill. *Bilingual (Budget des dépenses...Consommateurs...)*  
CSI 21104 032 ISBN 0-660-55575-1  
MICROLOG 90-03657 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Copyright Board Canada**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 13, 13 p. *Bilingual (Budget des dépenses...Commission...)*  
CSI 21104 095 ISBN 0-660-55643-X  
MICROLOG 90-03728 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

**1990-91 estimates, part III : Correctional Service Canada**

Canada, Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 61, 65 p. : ill. *Bilingual (Budget des dépenses...Service...)*  
CSI 21104 026 ISBN 0-660-55608-1  
MICROLOG 90-03650 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA



**1990-91 estimates, part III :  
Department of Finance Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 75, 77 p. : ill. *Bilingual (Budget des dépenses...Ministère...)* CSI 21104 018 ISBN 0-660-55615-4 MICROLOG 90-03646 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III :  
Department of Justice Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 59, 62 p. : ill. *Bilingual (Budget des dépenses...Ministère...)* CSI 21104 086 ISBN 0-660-55586-7 MICROLOG 90-03719 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III :  
Department of the Secretary of State  
of Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 72, 75 p. : ill. *Bilingual (Budget des dépenses...Secrétariat...)* CSI 21104 014 ISBN 0-660-55605-7 MICROLOG 90-03644 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : Economic  
Council of Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 30, 31 p. : ill. *Bilingual (Budget des dépenses...Conseil...)* CSI 21104 042 ISBN 0-660-55599-9 MICROLOG 90-03667 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III :  
Emergency Preparedness Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 20, 21 p. : ill. *Bilingual (Budget des dépenses...Protection...)* CSI 21104 034 ISBN 0-660-55646-4 MICROLOG 90-03659 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III :  
Employment and Immigration Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 166, 179 p. : ill. *Bilingual (Budget des dépenses...Emploi...)* CSI 21104 051 ISBN 0-660-55577-8 MICROLOG 90-03715 4 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : Energy,  
Mines and Resources Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 105, 108 p. : ill. *Bilingual (Budget des dépenses...Energie...)* CSI 21104 033 ISBN 0-660-55579-4 MICROLOG 90-03658 3 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III :  
Environment Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 169, 179 p. : ill., maps. *Bilingual (Budget des dépenses...Environnement...)* CSI 21104 060 ISBN 0-660-55582-4 MICROLOG 90-03717 4 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : External  
Affairs and International Trade  
Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 114, 126 p. : ill. *Bilingual (Budget des dépenses...Affaires...)* CSI 21104 054 ISBN 0-660-55652-9 MICROLOG 90-03686 3 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : Fisheries  
and Oceans Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 128, 147 p. : ill. *Bilingual (Budget des dépenses...Pêches...)* CSI 21104 017 ISBN 0-660-55617-0 MICROLOG 90-03645 3 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : Forestry  
Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 68, 73 p. : ill. *Bilingual (Budget des dépenses...Forêts...)* CSI 21104 096 ISBN 0-660-55645-6 MICROLOG 90-03729 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : Grain  
Transportation Agency**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 24, 24 p. : ill. *Bilingual (Budget des dépenses...Office...)* CSI 21104 062 ISBN 0-660-55633-2 MICROLOG 90-03692 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III :  
Hazardous Materials Information  
Review Commission**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 17, 18 p. : ill. *Bilingual (Budget des dépenses...Conseil de contrôle...)* CSI 21104 074 ISBN 0-660-55638-3 MICROLOG 90-03723 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : Health  
and Welfare Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 213, 234 p. : ill. *Bilingual (Budget des dépenses...Santé...)* CSI 21104 015 ISBN 0-660-55594-8 MICROLOG 90-03675 5 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III :  
Immigration and Refugee Board of  
Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 20, 25 p. : ill. *Bilingual (Budget des dépenses...Commission...)* CSI 21104 052 ISBN 0-660-55578-6 MICROLOG 90-03684 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : Indian  
and Northern Affairs Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 202, 219 p. : ill. *Bilingual (Budget des dépenses...Affaires...)* CSI 21104 016 ISBN 0-660-55585-9 MICROLOG 90-03674 5 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III : Industry,  
Science and Technology Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 134, 140 p. : ill. *Bilingual (Budget des dépenses...Industrie...)* CSI 21104 022 ISBN 0-660-55653-7 MICROLOG 90-03656 3 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada. CA CO PA

**1990-91 estimates, part III :  
Investment Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 20, 21 p. : ill. *Bilingual (Budget des dépenses...Investissement...)* CSI 21104 068 ISBN 0-660-55622-7 MICROLOG 90-03698 1 fiche



The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Labour Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 66, 67 p. : ill. *Bilingual (Budget des dépenses...Travail...)*.  
CSI 21104.079. ISBN 0-660-55592-1  
MICROLOG 90-03708 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Law Reform Commission of Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 27, 29 p. : ill. *Bilingual (Budget des dépenses...Commission...)*.  
CSI 21104.077  
ISBN 0-660-55590-5  
MICROLOG 90-03706 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Medical Research Council of Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 34, 37 p. : ill. *Bilingual (Budget des dépenses...Conseil...)*.  
CSI 21104.081. ISBN 0-660-55595-6  
MICROLOG 90-03710 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Multiculturalism and Citizenship Canada**

Canada. Ministère des finances. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 34, 36 p. *Bilingual (Budget des dépenses...Multiculturalisme...)*.  
CSI 21104.006  
ISBN 0-660-55648-0  
MICROLOG 90-04304 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Archives Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 44, 51 p. *Bilingual (Budget des dépenses...Archives...)*.  
CSI 21104.048. ISBN 0-660-55573-5  
MICROLOG 90-03681 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Defence**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 150, 162 p. : ill. *Bilingual (Budget des dépenses...Défense...)*

CSI 21104.023. ISBN 0-660-55618-9  
MICROLOG 90-03671 4 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Energy Board**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 32, 35 p. : ill. *Bilingual (Budget des dépenses...Office...)*.  
CSI 21104.053. ISBN 0-660-55580-8  
MICROLOG 90-03685 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Film Board**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 51, 54 p. *Bilingual (Budget des dépenses...Office...)*.  
CSI 21104.057. ISBN 0-660-55571-9  
MICROLOG 90-03688 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Library of Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 26, 28 p. *Bilingual (Budget des dépenses...Bibliothèque...)*.  
CSI 21104.058. ISBN 0-660-55572-7  
MICROLOG 90-03689 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Museums of Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 41, 41 p. *Bilingual (Budget des dépenses...Musées...)*.  
CSI 21104.030. ISBN 0-660-55613-8  
MICROLOG 90-03654 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Parole Board**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 24, 26 p. : ill. *Bilingual (Budget des dépenses...Commission...)*.  
CSI 21104.025.  
ISBN 0-660-55609-X  
MICROLOG 90-03649 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Research Council Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 78, 90 p. *Bilingual (Budget des dépenses...Conseil...)*

CSI 21104.069. ISBN 0-660-55623-5  
MICROLOG 90-03699 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : National Transportation Agency**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 48, 54 p. : ill. *Bilingual (Budget des dépenses...Office...)*.  
CSI 21104.073. ISBN 0-660-55628-6  
MICROLOG 90-03703 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Natural Sciences and Engineering Research Council of Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 30, 30 p. *Bilingual (Budget des dépenses...Conseil...)*.  
CSI 21104.046. ISBN 0-660-55603-0  
MICROLOG 90-03679 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Northern Pipeline Agency Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 17, 17 p. *Bilingual (Budget des dépenses...Administration...)*.  
CSI 21104.039. ISBN 0-660-55596-4  
MICROLOG 90-03664 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Office of Privatization and Regulatory Affairs**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 15, 15 p. *Bilingual (Budget des dépenses...Bureau...)*.  
CSI 21104.090. ISBN 0-660-55637-5  
MICROLOG 90-03718 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Office of the Auditor General of Canada**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 43, 47 p. : ill. *Bilingual (Budget des dépenses...Bureau...)*.  
CSI 21104.065. ISBN 0-660-55616-2  
MICROLOG 90-03695 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

# **1990-91 estimates, part III : Office of the Chief Electoral Officer**

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 38, 39 p. *Bilingual (Budget des dépenses...Bureau...)*



CSI 21104 041 ISBN 0-660-55598-0  
MICROLOG 90-03666 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Office of the Commissioner for Federal Judicial Affairs

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 25, 26 p. *Bilingual (Budget des dépenses...Bureau...)*  
CSI 21104 075. ISBN 0-660-55588-3  
MICROLOG 90-03704 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Office of the Commissioner of Official Languages

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 27, 28 p. *Bilingual (Budget des dépenses...Commissariat...)*  
CSI 21104 040. ISBN 0-660-55597-2  
MICROLOG 90-03665 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Office of the Superintendent of Financial Institutions

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 23, 24 p. *Bilingual (Budget des dépenses...Bureau...)*  
CSI 21104 059. ISBN 0-660-55583-2  
MICROLOG 90-03690 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Offices of the Information and Privacy Commissioners

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 36, 37 p. *Bilingual (Budget des dépenses...Commissariats...)*  
CSI 21104 087. ISBN 0-660-55634-0  
MICROLOG 90-03720 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Patented Medicine Prices Review Board Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 20, 21 p. *Bilingual (Budget des dépenses...Conseil d'examen...)*  
CSI 21104 097. ISBN 0-660-55644-8  
MICROLOG 90-03730 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Privy Council Office

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 34, 35 p. : ill. *Bilingual (Budget des dépenses...Bureau...)*  
CSI 21104 066. ISBN 0-660-55619-7  
MICROLOG 90-03696 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Procurement Review Board of Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 12, 12 p. *Bilingual (Budget des dépenses...Commission...)*  
CSI 21104 036. ISBN 0-660-55649-9  
MICROLOG 90-03661 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Public Service Commission of Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 48, 49 p. *Bilingual (Budget des dépenses...Commission...)*  
CSI 21104 028. ISBN 0-660-55606-5  
MICROLOG 90-03652 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Public Service Staff Relations Board

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 22, 23 p. *Bilingual (Budget des dépenses...Commission...)*  
CSI 21104 043. ISBN 0-660-55600-6  
MICROLOG 90-03668 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Public Works Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 120, 124 p. *Bilingual (Budget des dépenses...Travaux...)*  
CSI 21104 098. ISBN 0-660-55621-9  
MICROLOG 90-04290 3 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Registry of the Federal Court of Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 18, 20 p. : ill. *Bilingual (Budget des dépenses...Greffe...)*  
CSI 21104 076. ISBN 0-660-55589-1  
MICROLOG 90-03705 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Revenue Canada, Customs and Excise

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 58, 64 p. : ill. *Bilingual (Budget des dépenses...Revenu...)*  
CSI 21104 044. ISBN 0-660-55601-4  
MICROLOG 90-03669 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Revenue Canada, Taxation

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 83, 91 p. : ill. *Bilingual (Budget des dépenses...Revenu...)*  
CSI 21104 045. ISBN 0-660-55602-2  
MICROLOG 90-03678 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Royal Canadian Mounted Police

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 107, 115 p. : ill. *Bilingual (Budget des dépenses...Gendarmerie...)*  
CSI 21104 071. ISBN 0-660-55626-X  
MICROLOG 90-03701 3 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Royal Canadian Mounted Police, External Review Committee

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 19, 22 p. *Bilingual (Budget des dépenses...Comité externe...)*  
CSI 21104 093. ISBN 0-660-55641-3  
MICROLOG 90-03726 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Royal Canadian Mounted Police, Public Complaints Commission

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 17, 17 p. *Bilingual (Budget des dépenses...Commission des plaintes...)*  
CSI 21104 094. ISBN 0-660-55642-1  
MICROLOG 90-03727 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Science Council of Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 26, 28 p. *Bilingual (Budget des dépenses...Conseil...)*  
CSI 21104 029. ISBN 0-660-55604-9  
MICROLOG 90-03653 1 fiche

The titles in Part III of the budget provide detail on each department and its programs



and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Security Intelligence Review Committee

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 22, 22 p. *Bilingual (Budget des dépenses...Comité de surveillance...)*. CSI 21104.088. ISBN 0-660-55635-9  
MICROLOG 90-03721 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Social Sciences and Humanities Research Council of Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 34, 37 p. : ill. *Bilingual (Budget des dépenses...Conseil )*. CSI 21104.049. ISBN 0-660-55574-3  
MICROLOG 90-03682 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Solicitor General Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 55, 58 p. : ill. *Bilingual (Budget des dépenses...Soliciteur...)*. CSI 21104.027. ISBN 0-660-55607-3  
MICROLOG 90-03651 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Statistics Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 81, 81 p. : ill. *Bilingual (Budget des dépenses...Statistique...)*. CSI 21104.084. ISBN 0-660-55627-8  
MICROLOG 90-03713 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Status of Women Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 23, 24 p. *Bilingual (Budget des dépenses...Condition...)*. CSI 21104.063. ISBN 0-660-55625-1  
MICROLOG 90-03693 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Supply and Services Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 77, 84 p. *Bilingual (Budget des dépenses...Approvisionnement...)*. CSI 21104.024. ISBN 0-660-55610-3  
MICROLOG 90-03648 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Supreme Court of Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 32, 36 p. *Bilingual (Budget des dépenses...Cour...)*. CSI 21104.078. ISBN 0-660-55591-3  
MICROLOG 90-03707 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Tax Court of Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 23, 23 p. *Bilingual (Budget des dépenses...Cour...)*. CSI 21104.064. ISBN 0-660-55631-6  
MICROLOG 90-03694 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Transport Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 209, 232 p. : ill., maps. *Bilingual (Budget des dépenses...Transports...)*. CSI 21104.021. ISBN 0-660-55611-1  
MICROLOG 90-03672 5 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Treasury Board of Canada, Comptroller General

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 23, 24 p. *Bilingual (Budget des dépenses...Conseil...)*. CSI 21104.083. ISBN 0-660-55630-8  
MICROLOG 90-03712 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Treasury Board of Canada, Secretariat

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 80, 85 p. *Bilingual (Budget des dépenses...Conseil...)*. CSI 21104.072. ISBN 0-660-55629-4  
MICROLOG 90-03702 2 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Veterans Affairs Canada

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 119, 127 p. : ill. *Bilingual (Budget des dépenses...Anciens...)*.

CSI 21104.020. ISBN 0-660-55612-X  
MICROLOG 90-03673 3 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 estimates, part III : Western Diversification Office

Canada. Dept. of Finance. Ottawa : Supply and Services Canada, Canadian Government Publishing Centre, 1990. 30, 32 p. *Bilingual (Budget des dépenses...Bureau...)*. CSI 21104.092. ISBN 0-660-55640-5  
MICROLOG 90-03725 1 fiche

The titles in Part III of the budget provide detail on each department and its programs and activities. For a description of the format, refer to the abstract for Agriculture Canada.  
CA CO PA

### 1990-91 fruit production recommendations

Toronto : Ministry of Agriculture and Food, 1989. 84 p. : ill. CSI 55101.016. ISSN 0701-533X  
MICROLOG 90-05848 1 fiche

Recommendations on the best methods of fruit production, including the safe use of pesticides; pollination; integrated pest management; pest resistance to insecticides, fungicides and miticides; apple scab control by various means; control of various diseases of common fruits; fertilizers and soil management, control of the fruiting process; bird damage and its prevention; crop insurance; and a list of pesticides to be used with specific fruit crops.  
AG ON PR SC

### 1990-91 government estimates

Alberta. Edmonton : The Province, 1990. 391 p. CSI 34118.007. ISBN 0-7732-0192-0  
MICROLOG 90-03748 5 fiche

This document presents the estimates of expenditure proposals for the 1990-91 fiscal year. The estimates are organized in a program budgeting format with both operating and capital expenditure combined to determine the spending requirements for an individual program.  
AL CO PA PR

### 1990-91 government estimates and capital fund estimates

Alberta. Edmonton : The Province, 1990. i, 167 p. CSI 34118.011. ISBN 0-7732-0196-3  
MICROLOG 90-03732 2 fiche

An element can be a grant or a payment for those programs involving financial assistance provided by the province, or it can be a particular organizational unit within a department. In either case, the element represents the delivery mechanism for the service specified by the program or subprogram title. This document shows estimates for each element, with sub-totals at the sub-program, vote, and department levels.  
AL CO PA PR

### 1990-91 insect and disease control in the home garden

Toronto : Ministry of Agriculture and Food, 1990. 95 p. : ill. CSI 55101.019. ISSN 0713-1313  
MICROLOG 90-06329 2 fiche

Provides the home gardener with pest control information necessary to grow productive vegetables and fruit, as well as attractive trees, shrubs and flowers. Only those pesticides with a domestic label are recommended. General information is given on chemical and cultural treatments, the safe use of pesticides, companion planting and the natural control of insects; insect and disease control on



vegetables, fruit, ornamental plants, and lawns  
keys to fruit tree problems, and ornamental  
plant problems; and available insecticides,  
fungicides, rodenticides, and multipurpose  
mixtures.  
AG ON PR SC

#### 1990-91 Legislative Assembly estimates

Alberta. Edmonton : The Province, 1990. 19 p  
CSI 34118.009 ISBN 0-7732-0193-9  
MICROLOG 90-03733 1 fiche

This document includes details of legislative  
assembly estimates, and a summary of amounts  
to be voted.  
AL CO PA PR

#### 1990-91 vegetable production recommendations

Toronto : Ministry of Agriculture and Food,  
1990. 80 p. CSI 55101.075 ISSN 0701-5348  
MICROLOG 90-06881 1 fiche

Recommendations for pesticide control for  
vegetable crops, listed separately and including  
information on seed treatment, growing  
transplants, premature seedstalk development,  
spacing, soil, fertilizer, and the pesticides useful  
against the various pests and diseases. In  
addition, general information on safety and  
hazards of the use of pesticides and growing  
conditions of the various vegetables are  
included.  
AG ON PR SC ST

#### The 1990s, a decade for development : revised action plan for persons with disabilities in New Brunswick

New Brunswick. Premier's Council on the  
Status of Disabled Persons. Fredericton :  
Policy Secretariat, 1990. 96, 108 p. Bibliogr.  
*Bilingual (Les Années 90, décennie...)*. ISBN  
0-55048-293-9  
MICROLOG 90-06967 3 fiche

This document contains a history of the action  
plan, statistical data on disabled persons, an  
outline of basic principles, and a guide to  
recommendations. It also provides information  
on community and education services, post-  
secondary training and employment, housing,  
and recreation.  
AP PR SA

#### 2020 vision : Canada's long term energy outlook : working paper

Canada. Energy. Mines and Resources Canada.  
Energy and Fiscal Analysis Division. Ottawa :  
Energy, Mines and Resources Canada, 1989.  
ii, 104 p. : ill. *French ed. (Vision 2020 :  
perspectives...)* : 90-02374/2  
MICROLOG 90-02347 2 fiche

This annual report of Canada's energy outlook  
is similar in approach to that of 1988. Two oil  
price scenarios were developed, the first a  
reference case in which oil was at US\$18/bbl-  
US\$25/bbl by 2000 and flat thereafter, and an  
alternative case with prices at US\$15/bbl-  
US\$20/bbl by 2005, with a greater economic  
growth rate (by 15%) than under the reference  
case. The results are based on Energy,  
Mines and Resources Canada's inter-fuel  
substitution demand model, which incorporates  
the electricity-based utility generation expansion  
model, updated through 1987. Market share  
equations were re-estimated and some  
behavioural equations were re-specified.  
Policies and programs to deal with  
environmental objectives are included to only a  
limited extent, in general, the outlook does not  
reflect any significant changes in policy  
framework. The report examines the basic  
assumptions underlying the forecast, provides  
an analysis of the forecast results as they  
affect energy demand, looks at the supply side  
of the energy picture, and gives a brief

overview of environmental issues.  
CA EN SC

#### 28-day compressive strength monitor cement sample CM-1

by G.G. Carette and W.S. Bowman. Ottawa  
Canada Centre for Mineral and Energy  
Technology. Mineral Sciences Laboratories,  
1988. i, 9 p. (Report ; MSL 88-80(TR))  
MICROLOG 90-03951 1 fiche

A national strength monitor cement was  
prepared under the auspices of the Canadian  
Standards Association (CSA) committee on  
hydraulic cements. It was packaged by the  
Canadian Certified Reference Materials Project  
(CCRMP) who will also look after storage and  
sales. A Canadian interlaboratory test program  
was carried out to determine the 28-day  
compressive strength of mortars incorporating  
this material using the CSA procedure  
described in CAN-3-A5-M83. No other property  
was evaluated. CCRMP performed statistical  
analysis of the interlaboratory data and the  
results are presented here.  
• CA CM NR PS SC

#### 3 300 000 Canadiens : aperçu du Colloque parlementaire sur la condition des personnes handicapées

Ottawa : Chambre des communes, Bureau du  
Président, 1988. i, 45, i, 45 p. : ill. *Bilingue  
(3,300,000 Canadians : insights...)*.  
MICROLOG 90-03847 2 fiche

Cette publication donne un aperçu des  
témoignages entendus au cours de ce Colloque.  
Elle compte trois parties, qui correspondent aux  
trois thèmes du Colloque : participation,  
accessibilité et sensibilisation. On y explique  
des questions qui touchent tous les Canadiens  
dans leur vie quotidienne, et les récits se  
fondent sur des expériences personnelles  
vécues tous les jours et dans toutes les  
collectivités canadiennes.  
CA SA

#### 3,300,000 Canadians : insights from the Parliamentary Forum on the Status of Disabled Persons

Ottawa : House of Commons, Office of the  
Speaker, 1988. i, 45, i, 45 p. : ill. *Bilingual  
(3 300 000 Canadians : aperçu...)*.  
MICROLOG 90-03847 2 fiche

On May 30, 1988, the Speaker of the House  
of Commons and the Standing Committee co-  
hosted the first ever National Parliamentary  
Forum on the Status of Disabled Persons.  
More than 100 speakers and elected members  
from federal and provincial legislatures  
participated in the meeting. They heard and  
discussed the testimony of 13 expert witnesses  
from all parts of Canada. This publication  
presents a summary of the testimony witnesses  
gave during the Parliamentary Forum  
highlighting the three themes of the forum:  
participation, accessibility, and awareness.  
CA CI SA

#### 4e colloque sur les substances toxiques : compte rendu

commanditaires. Environnement Canada,  
Conservation et la protection...et al. Ottawa :  
Environnement Canada, Direction générale de  
la protection de l'environnement, 1990. ix,  
262 p. : ill., cartes géogr. Bibliogr. *Les  
rapports sont dans la langue de présentation,  
français ou anglais (4th Conference on  
Toxic...)*. ISBN 0-662-57403-6  
MICROLOG 90-04466 3 fiche

Document contenant les textes présentés lors  
de la 4e Conférence sur les substances  
toxiques. Les sujets suivants sont entre autres  
abordés : le débat sur NIMBY (ou pas dans ma  
cour), la solubilisation biologique des métaux  
lourds de boues résiduelles, l'enfouissement  
sécuritaire des déchets spéciaux et des sols  
contaminés au Québec et l'entreposage du bois

traité  
CA EV QU SC

#### 4th Conference on Toxic Substances : proceedings

sponsors Environment Canada, Conservation  
and Protection...et al. Ottawa : Environment  
Canada, Environmental Protection, 1990. ix,  
262 p. : ill., maps. Bibliogr. *Reports are in  
the language of presentation, English or  
French (4e colloque sur les substances...)*.  
ISBN 0-662-57403-6  
MICROLOG 90-04466 3 fiche

Papers presented at the conference covering  
such global emerging issues as the  
contamination of the seas, atmospheric change,  
and dioxins, PCBs and the chlorine industry;  
management of toxic substances in Quebec, the  
U.S., the EEC and Canada, risk analysis, and  
methods of addressing the NIMBY (Not in My  
Backyard) syndrome.  
CA EV QU SC

#### A la recherche de solutions : le rapport

Canada. Conseiller spécial auprès du ministre  
en matière d'agression sexuelle des enfants.  
Ottawa : le Conseiller, 1990. 215 p. Bibliogr.  
*L'éd anglaise (Reaching for solutions)* :  
90-05745/2 ISBN 0-662-96163-3  
MICROLOG 90-05903 3 fiche

Ce document a pour but d'élaborer un  
programme de travail qui mette l'accent sur les  
réalités concrètes nécessitant des solutions. Il  
se penche particulièrement sur : les dimensions  
du problème de l'exploitation sexuelle contre les  
enfants au Canada, la sensibilisation du public  
et la prévention primaire, la violence sexuelle à  
l'égard des enfants et le système judiciaire, les  
délis de la guérison et du traitement, le besoin  
d'information (éducation, formation et recherche);  
les collectivités aborigènes, les préoccupations  
nouvelles; les étapes de mise en oeuvre; les  
rôles et responsabilités des gouvernements  
fédéral, provinciaux et territoriaux, et, un  
aperçu de la réponse du gouvernement fédéral  
au rapport Badgley 1984-1989.  
BS CA SA

#### A la recherche de solutions : résumé du rapport

Canada. Conseiller spécial auprès du ministre  
en matière d'agression sexuelle des enfants.  
Ottawa : le Conseiller, 1990. 65, 59 p.  
*Bilingue (Reaching for solutions : the  
summary...)*. ISBN 0-662-57518-0  
MICROLOG 90-05902 2 fiche

La violence sexuelle à l'égard des enfants  
présente des caractéristiques marquées selon  
le sexe. Plus de 95 p. 100 des agresseurs  
sont des hommes et la majorité des victimes  
sont des femmes, quoiqu'il y ait aussi beaucoup  
de victimes chez les garçons. Ce document  
se penche sur cette question et examine les  
points suivants : les réflexions personnelles du  
conseiller spécial, les réalités de la violence  
sexuelle faite aux enfants - problèmes et  
solutions, les recommandations, les étapes de  
mise en oeuvre, et, la convention relative aux  
droits de l'enfant, adoptée par les Nations  
Unies  
BS CA SA

#### A votre tour d'assembler les pièces : étude de cas : déploiement de l'informatique au Canada

Ottawa : Industrie, sciences et technologie  
Canada : Association canadienne de la  
technologie informatique, 1989. 177 p.  
Bibliogr. *L'éd. anglaise (Putting the pieces  
together...)* : 90-02205/2  
MICROLOG 90-02204 2 fiche

L'informatique est le domaine d'activité  
industrielle et commerciale qui évolue le plus  
rapidement dans tout le monde occidental.  
Lorsqu'elle est utilisée comme il faut,  
l'informatique offre des possibilités qui ont une



influence décisive sur la compétitivité des industries et des entreprises. Toutefois, la façon dont on l'utilise constitue un défi de taille sur le plan de la gestion. Ce rapport porte sur l'implantation de l'informatique dans les entreprises canadiennes. Il examine les facteurs qui influent sur le succès d'applications particulières et il met en relief l'expérience de diverses petites et moyennes entreprises lors de l'implantation de systèmes informatiques.

CA TE

### Abundance, composition spécifique et biomasse du phytoplancton de l'Estuaire moyen du Saint-Laurent

par H. Desilets, J. Painchaud et J.-C. Thériault. Mont-Joli, Québec : Ministère des pêches et des océans, Division de la recherche sur les pêches. Institut Maurice-Lamontagne, 1989. vii, 58 p. : ill., cartes géogr. Bibliogr. (Rapport technique canadien des sciences halieutiques et aquatiques, no 1698) ISSN 0706-6570  
MICROLOG 90-00373 1 fiche

Des données concernant l'abondance et la composition spécifique de 49 échantillons de phytoplancton provenant de l'Estuaire moyen du Saint-Laurent (été 1982) sont présentées dans ce rapport. De plus, la méthode d'estimation de la biomasse phytoplanctonique de Smayda (1978) a été appliquée à ces données. On y traite de la localisation des stations, de l'abondance du phytoplancton, du nombre des taxons, de l'abondance des micro-flagellés, de la biomasse phytoplanctonique, de la concentration de la chlorophylle, et de l'abondance du protozooplancton.

• CA CF FI LS SC

### The Aboriginal peoples of British Columbia : a profile

Victoria : Ministry of Native Affairs, 1990. 24 p. : maps. ISBN 0-7726-1091-6  
MICROLOG 90-05023 1 fiche

British Columbia is home to 17 percent of Canada's native population and 33 percent of all bands. Of Canada's 2,300 reserves, 1,650 are found in B.C., although most of them are small. This document outlines their history, profiles where they live today and provides information on all the tribal councils in the province.

BC NP PR

### Aboriginal rights

by M. Moss. Ottawa : Library of Parliament, Research Branch, 1989. 16 p. Bibliogr. (Current issue review ; 89-11E) French ed. (*Les Droits des autochtones on the same fiche* ISBN 0-660-13553-1  
MICROLOG 90-05356 1 fiche

This paper discusses legislation concerning aboriginal people. It provides an issue definition and background information on the topic. It also discusses federal land policy, different sections of the Constitution Act, parliamentary action and presents a chronology of events relating to this matter. It ends with a list of the cases presented in the document.

CA CI CU JU NP

### Abortion : constitutional and legal developments

by M. Dunsmuir. Ottawa : Library of Parliament, Research Branch, 1989. 24 p. Bibliogr. (Current issue review ; 89-10) French ed. (*L'Avortement : développements...*) on the same fiche. ISBN 0-660-13552-3  
MICROLOG 90-05355 1 fiche

A new abortion bill has recently been introduced in Parliament in the hope that compromise legislation will resolve the abortion debate at the federal level, even if it leaves many people personally dissatisfied. This document presents a history of the issue. It also discusses parliamentary action on the issue and presents a chronology of events

relating to this matter.  
CA CI JU SA

### About electro-magnetic wire-rope testing in New Brunswick mines and related data

by L.B. Geller...et al. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. iii, 51 p. : ill. (Report, MRL 89-40(TR))  
MICROLOG 90-03368 1 fiche

Present day, commercially available, electro-magnetic (EM) type wire-rope test instruments play an important role in making mineshaft hoisting operations safe, but the accuracy of rope strength loss estimates, based upon these EM measurements, still leaves much to be desired. This report examines the level of accuracy, with special regard to the regulatory rope removal criteria, with which EM instrument-based loss of breaking strength estimates are currently being made, and the most likely reasons for the known inaccuracies of estimation by instrument, operator, or regulatory origin.

• AP CA CM NR PS SC

### About the structure and development of the gadid tooth : a contribution on the knowledge of the vasodentine

by H. Fischer. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 30 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5231) Originally published in German. ISSN 0704-3716  
MICROLOG 90-02679 1 fiche

General discussion and description of the structure and development of the gadid tooth, the histogenesis of the mantle dentine, the vitrodentine, the histogenesis and microstructure of the vasodentine, the attachment of the teeth, the enamel, and the stress lines.

• CA CF FI LS SC

### Abrasive-disk dehullers in Africa : from research to dissemination

Ottawa : International Development Research Centre, 1989. ix, 98 p. : ill. Bibliogr. (Manuscript report ; 270e) ISSN 0229-7108  
MICROLOG 90-00315 2 fiche (Available on fiche only)

Recent droughts in the Sahel and in eastern and southern Africa have increased the urgency in developing drought-resistant crops. The absence of appropriate dehulling equipment, especially for small grains such as sorghum and pearl millet, has often been cited as a reason for past national neglect of these cereals. This report reviews the development of small-scale, inexpensive, versatile abrasive-disk dehullers in Africa. Topics discussed in detail include the need to understand traditional food habits and preferences; the scope for applying small dehullers in Africa, detailed technical descriptions of various dehuller designs and criteria to be considered in a design process; important grain characteristics as they relate to dehulling and the effect of the dehuller's abrasive agent on the grain; installation and operation of some typical, rural, small-scale milling systems; and the process of introducing technology as one moves from applied research to applying the results.

AG CA EX SC

### Un Abrégé de recherche et développement parrainés par Forêts Canada dans le cadre de l'ECOMVRF

par J.B. Scarratt. S.I. : Entente Canada-Ontario sur la mise en valeur de la ressource forestière, 1989. xii, 122, xi, 122 p. : ill. Bibliogr. (Rapport ECOMVRF ; 3301) Bilingue (A Compendium of research and development...). ISSN 0847-2866 ISBN

0-662-57078-2  
MICROLOG 90-05899 3 fiche

Le compendium propose une récapitulation descriptive des 48 projets de recherche et de développement financés par le gouvernement fédéral dans le cadre du volet recherche, développement et applications de l'Entente Canada-Ontario concernant la mise en valeur des ressources forestières. Les projets en question ouvrent toute une gamme de sujets en sylviculture et aménagement forestier, écologie forestière, physiologie des arbres, amélioration végétal et génétique, et protection des forêts. Chaque résumé décrit les objectifs du projet, la méthode suivie et les résultats expérimentaux. Le compendium s'adresse particulièrement aux aménagés, aux forestiers, à la collectivité scientifique et à tous ceux qui s'intéressent à la recherche en foresterie.

• CA FO ON SC

### Absorbent material for type A radioactive materials packaging containing liquids : a research report

by G.A. Saunders. Ottawa : Atomic Energy Control Board, 1989. iv, 117 p. : ill. Bibliogr. (Research report ; INFO-0341)  
MICROLOG 90-05694 2 fiche

This report gives the results of a literature survey to identify and evaluate the parameters which govern the effectiveness of different types of absorbent materials used in Type A containers for the transport of liquid radioactive isotopes to identify both the theory and mechanisms of liquid absorption as well as to identify existing data on absorption capacity of various materials and existing test methods used to evaluate these parameters. The report also developed standard test procedures and criteria for the selection of absorbent materials with the optimum combination of parameters suitable for such packaging, and reports on data collected from the test procedures conducted on samples of representative packaging materials.

CA EN PS SC

### Abstracts of papers published by the staff of the Great Lakes Laboratory for Fisheries and Aquatic Sciences, 1968-86

by H.F. Nicholson. Burlington, Ont. : Canada Centre for Inland Waters, Great Lakes Fisheries Research Branch, 1989. iii, 157 p. (Canadian technical report of fisheries and aquatic sciences ; no. 1634) ISSN 0706-6457  
MICROLOG 90-03639 2 fiche

List of references to the 411 scientific papers published by past and present staff of the Laboratory from 1968-86. For the most part, abstracts are included, but where these are not available, conclusions, summaries and extracts are used. References are arranged alphabetically by author.

• CA CF FI ON SC

### Abundance, age, size, sex and coded wire tag recoveries for chinook salmon escapements of Campbell and Quinsam rivers, 1986-88

by R.C. Bocking, K.K. English and T.M. Webb. Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. x, 126 p. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2065) ISSN 0706-6473  
MICROLOG 90-05226 2 fiche

The chinook salmon of the Campbell/Quinsam river system were selected as one of the indicator stocks for assessing the response of Pacific chinook salmon stocks to a new harvest management regime, begun in 1984, to build stocks to historical levels. This report presents the results from 1986-88 of intense escapement monitoring and sampling of chinook salmon, calculated using the adjusted Petersen method by tagging carcasses to produce



separate estimates for sexes and rivers and summing these to form a total estimate for the in-river escapement of chinook. The total recovery of chinook salmon at the Quinsam Hatchery was then added to the in-river estimates to produce a final escapement figure for the entire system. Potential biases in the Petersen method, the carcass and live tagging approaches, and method of stratification are discussed. The results give population estimates and composition (age, length, and sex) and results of coded wire tagging studies.

• BC CA CF FI SC

# **Abundance, age, size, sex and coded wire tag recoveries for chinook salmon escapements of the Harrison River, 1984-88**

by M.J. Staley. Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. vii, 42 p. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2066) ISSN 0706-6473 MICROLOG 90-05692 1 fiche

This report gives the results of the 1984-88 spawner enumeration and biological sampling projects on the Harrison River chinook stocks. The results include escapement population estimates, sex, age and size compositions, recoveries of CWTs, and results of various tests of study bias. A description of the study area and the tagging method are also included.

• BC CA CF FI SC

# **L'Abus des drogues au Canada -- Rév.**

par H. McKenzie. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 20 p. Bibliogr. (Bulletin d'actualité ; 87-7F) L'éd. anglaise (*Drug abuse in Canada*) sur la même fiche. ISBN 0-660-92789-6 MICROLOG 90-03029 1 fiche

Le trafic des drogues illicites porte sur un certain nombre de drogues et de produits dérivés dont les différentes utilisations ont divers effets néfastes, tant sur la société que sur la santé des individus. Les narcotiques comprennent l'opium et ses dérivés, soit la morphine et l'héroïne. Du point de vue juridique, au Canada, le cannabis et la cocaïne sont aussi compris dans les narcotiques. Ce document fait le point en ce qui a trait à l'abus des drogues au Canada.

BS CA SA

# **The Abusive husband : an approach to intervention**

by D.W. Currie. Ottawa : Health and Welfare Canada, Social Service Programs Branch, Family Violence Prevention Division, National Clearinghouse on Family Violence, 1988. 66 p. Bibliogr. MICROLOG 90-03768 1 fiche

Provides information and direction for designing and implementing an intervention program for abusive husbands which emphasizes the safety and protection issues for the woman. It also describes a set of assessment and research instruments that will: provide information about the abusive man, provide information from the victim about the violence; evaluate the progress of the men in the program; examine the long-term effectiveness of such programs; further clinical knowledge, thereby informing future practice in this area.

BS CA CI SA

# **Acanthobdella peledina Grube, 1851**

by N. Livanow. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 270 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5435) Originally published in German. ISSN 0704-3716 MICROLOG 90-00610 3 fiche

Results of observations on the entire organization of *Acanthobdella peledina* Grube, a

worm described for the first time by E. Grube in 1851. The report describes the external morphology, the skin epithelium, the sensory cells, the musculature, the mesenchyme, the coelom, the nervous system, the head region, the attachment disk region, the intestinal tract, the blood-vascular system, the nephridial system, and the reproductive organs. Additional information is given on the somite, and the phylogenetic relationships of Hirudinea in general and *Acanthobdella* in particular.

• CA CF FI LS SC

# **Accelerated breeding of conifers with emphasis on Pinaceae**

by F. Schnekenburger. Toronto : Ministry of Natural Resources, Forest Resource Development Agreement, 1987. 48 p. Bibliogr. MICROLOG 90-01985 1 fiche

Paper introducing techniques which may be used for accelerating seedling growth and flower induction, particularly in the Pinaceae family. The review examines indoor breeding culture, including the breeding hall and some aspects of growing trees indoors; accelerating growth, specifically accelerating early seedling growth, some of the treatments and applications, flower enhancement treatments by the use of gibberellins and adjunct cultural treatments, and natural sources of variation in flowering such as the effects of genotype, age, and scion-rootstock interaction on flowering. The paper serves as the basis for the development and implementation of a breeding hall program, but does not cover early genetic testing, another potential component of accelerated breeding programs.

FO ON PR SC

# **Accelerated sample processing, 1988-89, phase III : northeast cooperative woodstove study : final report**

OMNI Environmental Services. Beaverton, OR OMNI Environmental Consultants, 1989. 13 p. : ill. CANMET contract: 89170-01-SQ MICROLOG 90-03966 1 fiche

The northeast cooperative woodstove study, conducted during the winter of 1988-89, measured particulate stack emissions using the AWES sampling system from 25 new-technology stoves installed in homes in the Glens Falls, N.Y. area. Five stove brands, 3 catalytic and 2 non-catalytic, were selected for the study based on their performance in a laboratory durability test. Each stove brand was represented by 5 stoves. The catalytic stoves were represented by the Blaze King Royal Heir, Country Flame BBF and the Oregon Woodstove. The non-catalytic stoves were the Country Comfort CC150 and the mid-size Regency. Each stove was sampled for 5 weekly periods spanning early January to late March. This type of sampling schedule provided an opportunity to document trends in stove emissions over the heating season as well as average performance.

• CA CM EN PS SC

# **Accepting the challenge : government's response to the Standing Committee on the Status of Disabled Persons**

Ottawa : Secretary of State, President of the Treasury Board, 1987. 149 p. French ed (*Relever le défi : la réponse...*) on the same fiche MICROLOG 90-05640 4 fiche

On December 10, 1985, the Prime Minister announced a set of principles which provide a formal basis for a fair and equitable relationship between disabled Canadians and their national government. These principles are: participation, access and awareness. This document discusses these principles and initiatives to implement them.

CA SA

# **L'Accès aux corporations professionnelles des comptables en management accrédités et des comptables généraux licenciés du Québec**

avis au Ministre responsable de l'application du Code des professions et au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1990. 49 p. (Avis ; no 89.13) ISSN 0709-3985 ISBN 2-550-20719-X MICROLOG 90-04967 1 fiche

Cet avis fait rapidement le point sur le cadre juridique et professionnel de l'exercice de la comptabilité au Québec; traite des questions spécifiquement soulevées par les demandes de l'office des professions, relance les interrogations d'un avis antérieur du Conseil sur l'ensemble de la formation en sciences comptables et évoque certains effets possibles des modifications réglementaires projetées, et, conclut avec les recommandations formelles du Conseil.

ED LA PR QU

# **Accès des personnes handicapées : rapport de l'expert-conseil sur la mise en oeuvre de l'aménagement pour accès facile dans les installations fédérales**

par R. Carpenter et C. Petten. Ottawa : Conseil du trésor, 1988. 60, 56 p. Bilingue (*Access for disabled.*) MICROLOG 90-03206 2 fiche

En 1985, le Conseil du Trésor promulguait la Politique visant à faciliter l'accès (PFA) afin d'intégrer aux installations fédérales le principe de l'amélioration de l'accès. Une étude a eu lieu pour évaluer à quel point les ministères appliquaient cette PFA à leurs installations. Les résultats de cette étude figurent dans ce rapport de même que des recommandations visant à régler les difficultés éprouvées par les ministères dans leur tentative de mettre en place les améliorations en question.

CA SA

# **Accès et déplacements : rapport**

Commission royale sur l'avenir du secteur riverain de Toronto (Canada). Groupe de travail sur l'accès et les déplacements Toronto : la Commission Toronto, 1989. 80 p. : ill., cartes géogr. Bibliogr. (Publication ; no 3) L'éd. anglaise (*Access and movement.*) : 90-01461/1. ISBN 0-662-16937-9 MICROLOG 90-05807 2 fiche

Ce document porte sur les principaux problèmes de transport et de planification qui se rapportent au secteur riverain, comme les perçoit le Groupe de travail sur l'accès et les déplacements de la Commission royale sur l'avenir du secteur riverain de Toronto. Le Groupe a repéré quatre questions portant sur l'aménagement du secteur riverain et sur quoi se penche principalement ce document, la nécessité d'intégrer la planification; la nécessité d'orienter l'aménagement, la nécessité de concilier les intérêts publics et les intérêts privés, et, la nécessité d'assurer l'accès au secteur riverain.

CA MU ON PL SC

# **Access and movement : report**

Royal Commission on the Future of the Toronto Waterfront (Canada). Access and Movement Work Group. Toronto : The Commission, 1989. 65 p. : ill., maps. Bibliogr. (Report ; 3) *Fold maps not filmed. French ed (Accès et déplacements.)* : 90-05807/2. ISBN 0-662-16937-9 MICROLOG 90-01461 1 fiche

This report highlights the major transportation and planning issues on the waterfront, as assessed by the Royal Commission on the



future of the Toronto Waterfront. It identifies 4 vital issues that have to be addressed if waterfront planning is to be effective. They are: the need for integration of planning; the need to shape development; the need to reconcile public and private interests; and the need for access to the waterfront.  
MU ON PL

**Access for disabled persons : consultant's report on implementation of barrier-free design within federal facilities**

by R. Carpenter and C. Petten. Ottawa : Treasury Board, 1988. 56, 60 p. *Bilingual* (Accès des personnes...)  
MICROLOG 90-03206 2 fiche

Contains the findings of a study which evaluated the progress of departments in improving the accessibility of their facilities in accordance with the Accessibility Improvement Policy. It also includes recommendations designed to rectify difficulties encountered by departments in their attempts to implement accessibility improvements.  
CA CI SA

**Access register, 1988**

Government of Canada, Access to Information Act. Ottawa : Supply and Services Canada, 1988. xiii, 949 p. : ill. ISBN 0-660-13039-4  
MICROLOG 90-00016 11 fiche

Describes classes of information which are similar for all government institutions, such as information on administration, personnel or finance. It also provides a method of locating the specific class of record which covers the information you are seeking. The main section contains more than 100 chapters organized alphabetically, one for each institution that is subject to the Act. Each chapter includes an organization chart which gives a graphic view of the major functions of the institution, and which identifies the classes for records held by that institution, a description of the institution's programs and activities, information on how to gain access to information from that institution, and a listing in numerical order, of the classes of records maintained by the institution.  
CA JU

**Access register, 1989-90**

Government of Canada, Access to Information Act. Ottawa : Supply and Services Canada, 1989. ix, 968 p. *French ed. (Registre d'accès, 1989-90)* : 90-02243/10. ISBN 0-662-17317-1  
MICROLOG 90-02242 10 fiche

The Register includes 110 chapters, one for each institution covered by the Act. It consists of five major sections: an introduction which explains how to use the Register, a section which describes classes of information which are similar for all government institutions; a subject index, a section of information holdings by institution, and an index of departments, agencies, and crown corporations.  
CA JU PA

**Access to Information Act and Privacy Act : Annual report 1989-90**

Ottawa : Dept. of Justice, 1990. v, 39, v, 41 p. *Bilingual* (Loi sur l'accès...)  
CSI 21127 003 ISBN 0-662-57524-5  
MICROLOG 90-06938 2 fiche

The role and responsibilities of the Dept. are to provide legal services to the Government of Canada and its departments and agencies and to ensure that the affairs of government are administered in accordance with the law. This annual report contains general information on the Department of Justice and statistical information concerning the Access to Information Act and the Privacy Act. The report is based on the experience of the Dept.

in administering the Acts during the fiscal year.  
CA JU

**Access to Information Act, Privacy Act : Annual report 1987-88**

Ottawa : Treasury Board Secretariat, Information Management Practices, Administrative Policy Branch, 1989. 23, 24 p. : ill. *Bilingual* (Loi sur l'accès à l'information...)  
CSI 21124.004. ISBN 0-662-56814-1  
MICROLOG 90-00537 1 fiche

This annual report on the administration of the Access to Information Act and the Privacy Act is a consolidated overview of the operation of both Acts across government and a summary of major administrative initiatives related to the legislation.  
CA JU ST

**Access to Information Act, Privacy Act : Annual report 1988-89**

Ottawa : Treasury Board Secretariat, Information Management Practices, Administrative Policy Branch, 1990. 17, 17 p. : ill. *Bilingual*. CSI 21124.004. ISBN 0-662-57059-6  
MICROLOG 90-06608 1 fiche

This annual report summarizes the experiences of all federal institutions under the Acts. It reviews the activities and accomplishments of the Board Secretariat. Section one lists the names of organizations that received approval to conduct campaigns in Alberta for charitable purposes during 1988. Section two lists the financial statements received to January 31, 1989.  
CA JU PA ST

**Access Toronto : a strategic plan to increase accessibility of information, services and programs to the visually impaired and hearing impaired communities within the City of Toronto**

A.R.A. Consultants Ltd. Toronto : Toronto Action Committee for People with Disabilities, 1990. 53 p.  
MICROLOG 90-06120 1 fiche

Contains a summary of findings regarding the accessibility of current programming offered by the City of Toronto departments. It addresses existing barriers that prevent people with hearing impairments and/or visual impairments from fully accessing the services, programs and events provided by the City. The development of the recommendations suggested in this report is guided by the input from the key informants.  
MU ON SA

**Access!**

Ontario. Task Force on Access to Professions and Trades in Ontario. Toronto : The Task Force, 1989. lxiii, 493 p.  
MICROLOG 90-01130 6 fiche

This document describes foreign-trained individuals in Ontario, and issues facing the trades and professions. It also discusses developing a prior learning assessment network, and reviews registration decisions.  
LA ON PR

**Accessing university research : the experience of Canadian industry**

by J.A. Potworowski. Ottawa : International Development Research Centre ; Hamilton, Ont. : Management of Technology and Innovation Institute, 1989. 82 p. Bibliogr. (Manuscript report ; 210e) *French ed. (Comment accéder à la recherche...)* : 90-00252/2  
MICROLOG 90-00251 1 fiche (Available on fiche only)

Review of measures taken by selected Canadian firms to transfer and receive technology from universities. All the firms studied either have a significant in-house R&D capability, or are very dependent on research, and all have benefited from university research. The study determined how each of the selected companies managed the transfer of technology from universities, to determine which approaches worked and which did not. In-depth interviews were carried out with 30 senior industry executives, all of them users of university research. The collective managerial experience of these executives was distilled into a set of guidelines or principles.  
CA CO ED

**Les Accidents chimiques majeurs : sommes-nous prêts? -- Rev.**

par R. Milko. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 17 p. Bibliogr. (Bulletin d'actualité ; 88-15F) *L'éd. anglaise (Major chemical accidents... sur la même fiche)*. ISBN 0-660-92719-5  
MICROLOG 90-01842 1 fiche

En décembre 1984, une fuite d'isocyanate de méthyle à Bhopal en Inde a tué 3 000 personnes et en a blessé quelque 200 000 autres. Au Canada, ce coup de semonce a incité l'industrie, la population et les pouvoirs publics à entreprendre une évaluation plus poussée des mesures de prévention, de planification et d'intervention en cas d'urgence. Etant donné la diversité et le volume croissants des substances chimiques extraites, fabriquées, commercialisées, transportées, stockées ou évacuées sous forme de déchets, il n'est pas étonnant de constater que le nombre d'accidents chimiques documentés a connu lui aussi une augmentation considérable. Cette étude dresse le bilan des progrès réalisés en matière de prévention, de planification et d'intervention en cas d'urgence au Canada.  
CA EV SC

**Accidents mortels de navigation de plaisance en Ontario, 1980-87**

Toronto : Ministère des richesses naturelles, Bureau de la navigation de plaisance, 1989. iv, 80, vi, 84 p. : ill. Bibliogr. *Bilingue (Recreational boating fatalities...)*. ISBN 0-7729-5446-1  
MICROLOG 90-01861 2 fiche

La navigation de plaisance peut être une expérience agréable et fascinante; cependant, des situations dangereuses peuvent survenir soudainement et inopinément. Dans la seule province de l'Ontario, il y a en moyenne 87,3 accidents mortels par année. Les compétences et l'expérience, bien qu'utiles, ne sont souvent pas suffisantes pour éviter les accidents de navigation. Le plaisancier doit à la fois connaître les pratiques de navigation sécuritaires et avoir la volonté de les appliquer consciencieusement afin d'éviter les situations dangereuses. Ce document fait la lumière sur le sujet.  
CU ON PR SC

**Accord Canada-Manitoba au sujet de la récréation et de la conservation du couloir de la rivière Rouge : Rapport annuel 1987-88**

S.I. : l'Accord, 1988. 9 p. *L'éd. anglaise sur la même fiche*. CSI 32116.001.  
MICROLOG 90-07159 1 fiche

Accord signé entre le Canada et le Manitoba en octobre 1978. Les objectifs de l'Accord sont d'identifier, préserver, interpréter et aménager les ressources du patrimoine naturel, historique et panoramique du Couloir de la rivière Rouge; d'accroître les avantages éducatifs, récréatifs et culturels pouvant être obtenus de l'utilisation desdites ressources, pour en faire bénéficier la population. Cette publication fait le bilan des activités et des



dépenses réalisées dans le cadre de l'Accord.  
CA CU MS PR

### L'Accord de libre-échange Canada-Etats-Unis et les marchés publics : une appréciation

Ottawa : Ministère des affaires extérieures ; Approvisionnements et services Canada, 1989. 74, 64 p. *Bilingue (The Canada-U.S. Free Trade Agreement...)*. ISBN 0-662-56549-5  
MICROLOG 90-01261 2 fiche

Après un tour d'horizon de la question, cet ouvrage donne de façon détaillée et complète l'information sur les provisions de l'Accord en ce qui regarde les marchés publics. En fait, il y a un chapitre uniquement consacré aux marchés publics dans l'Accord. De plus, le document donne des références sur l'Accord dans son contexte historique et économique; une explication du processus des marchés publics; une description du Code du GATT sur les marchés publics; un sommaire et une explication des éléments des marchés publics couverts par l'Accord; et, un aperçu des occasions offertes par les marchés publics.  
CA CO EX

### Accord de sécurité sociale : résumé : Canada et l'Australie

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1990. 17 p. *L'éd. anglaise (Social security...Australia) sur la même fiche*. ISBN 0-662-95650-8  
MICROLOG 90-04964 1 fiche

L'Accord réciproque de sécurité sociale entre le Canada et l'Australie a été signé le 4 juillet 1988 et est entré en vigueur le 1er septembre 1989. Ce résumé décrit, en termes généraux, comment l'accord peut ouvrir droit à des prestations canadiennes ou australiennes. Il vise les personnes résidant au Canada et se penche particulièrement sur les points suivants: les prestations canadiennes de la Sécurité de la vieillesse; les prestations du Régime de pensions du Canada; les prestations australiennes visées par l'Accord; et, la demande de prestations aux termes de l'Accord.  
CA CO EX

### Accord de sécurité sociale : résumé : Canada et l'Islande

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1989. 12 p. *L'éd. anglaise (Agreement on Social...Iceland) sur la même fiche*.  
MICROLOG 90-03251 1 fiche

Ce document présente un résumé qui décrit, en termes généraux, comment l'Accord peut ouvrir droit à des prestations du Canada ou de l'Islande. Il vise les personnes résidant au Canada et se penche particulièrement sur les prestations canadiennes de la Sécurité de la vieillesse; les prestations du régime de pensions du Canada; les prestations de l'Islande visées par l'Accord; la détermination de la législation applicable; le complément d'information sur les cotisations; et la demande de prestations aux termes de l'Accord.  
CA EX SA

### Accord de sécurité sociale : résumé : Canada et le Danemark

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1988. 18 p. *L'éd. anglaise (Social security...Denmark) sur la même fiche*. ISBN 0-662-94862-9  
MICROLOG 90-01044 1 fiche

L'Accord sert à coordonner le fonctionnement des régimes canadiens et danois qui protègent les personnes en cas de vieillesse, de retraite, d'invalidité ou de décès. L'Accord est entré en vigueur le 1er janvier 1986. Le document décrit comment l'Accord peut ouvrir droit à des

prestations canadiennes ou danoises.  
CA EX SA

### Accord de sécurité sociale : résumé : Canada et le Portugal

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1989. 13 p. *L'éd. anglaise (Social security...Portugal) sur la même fiche*. ISBN 0-662-95502-1  
MICROLOG 90-04055 1 fiche

L'Accord de sécurité sociale entre le Canada et le Portugal, signé le 15 décembre 1980 est entré en vigueur le 1er mai 1981. Ce résumé décrit, en termes généraux, comment l'accord peut ouvrir droit à des prestations canadiennes ou portugaises. Il porte essentiellement sur les points suivants: les prestations canadiennes de la Sécurité de la vieillesse, les prestations du Régime de pensions du Canada, les prestations portugaises visées par l'accord, la détermination de la législation applicable; le complément d'information sur les cotisations; et, la demande de prestations aux termes de l'accord.  
CA CO EX

### Accord de sécurité sociale : résumé : Canada et Saint-Lucie

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1988. 16, 14 p. *Bilingue (Social security...Saint Lucia)*. ISBN 0-662-94860-2  
MICROLOG 90-01810 1 fiche

L'Accord sert à coordonner le fonctionnement des régimes du Canada et de Saint-Lucie qui protègent les personnes en cas de vieillesse, de retraite, d'invalidité ou de décès. Il a trois objectifs fondamentaux: réduire ou éliminer les restrictions relatives au versement des prestations de sécurité sociale à l'étranger; éliminer les situations où un travailleur pourrait devoir cotiser dans le cadre des régimes de sécurité sociale des deux pays pour le même travail, et, aider les personnes qui passent d'un pays à l'autre à obtenir des prestations en fonction des périodes de résidence ou de travail dans chaque pays. Ce résumé décrit, en termes généraux, comment l'accord peut ouvrir droit à des prestations du Canada ou de Saint-Lucie.  
CA EX SA

### L'Accord du lac Meech : la dualité linguistique et la société distincte

par B. Carson. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 15 p. (Etude générale ; BP-211F) *L'éd. anglaise (The Meech Lake Accord...) sur la même fiche*. ISBN 0-660-92865-5  
MICROLOG 90-05358 1 fiche (Available on fiche only)

Ce document a pour objet d'exposer les divers arguments pour et contre l'article 2. Ils sont axés sur les rapports entre cet article et la Charte des droits et libertés. Les partisans de l'article 2 affirment qu'il ne porte pas atteinte aux droits à l'égalité énoncés dans la Charte, tandis que ses détracteurs craignent qu'il ne compromette un certain nombre de droits durement acquis énoncés dans la Charte.  
CA CU

### L'Accord du lac Meech : les rapports du Manitoba et du Nouveau-Brunswick

par M. Dunsmuir. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 51 p. (Etude générale ; BP-218F) *L'éd. anglaise (The Meech Lake Accord...reports)*. ISBN 0-660-92872-8  
MICROLOG 90-05366 1 fiche

Ce document offre une brève comparaison des rapports préparés par le Groupe de travail du Manitoba et par le Comité spécial du Nouveau-Brunswick sur l'Accord constitutionnel de 1987. Le document inclut le texte du lac Meech, les recommandations du Groupe de travail du

Manitoba, et celles du Comité du Nouveau-Brunswick  
CU PA PR

### L'Accord du lac Meech : une énigme constitutionnelle

par B. Carson. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 29 p. Bibliogr. (Etude générale ; BP-186F) *L'éd. anglaise (The Meech Lake Accord...) sur la même fiche*. ISBN 0-660-92691-1  
MICROLOG 90-01910 1 fiche

L'étude présente le pour et le contre de chaque article de l'Accord. Le document est divisé en trois sections, chacune portant sur une partie de l'Accord, soit la répartition des pouvoirs, les institutions et les personnes. Finalement, on se penche sur la dualité linguistique et la société distincte, la clause de non-dérogation, les programmes cotinancés, l'immigration et la compensation financière.  
CA PA

### L'Accord Meech-Langevin et les compétences linguistiques du Québec : opinions juridiques

par P. Blache et J. Woehrling. Québec : Conseil de la langue française, 1988. 102 p. ISBN 2-550-18849-7  
MICROLOG 90-02512 2 fiche

Ce document présente les deux études, qui sont expressément consacrées aux compétences linguistiques du Québec: les experts étaient invités à répondre à un questionnaire ciblé préparé par Michel Sparer, juriste chargé des questions de droit linguistique au Conseil de la langue française. Soumis au même questionnaire, les deux spécialistes ont livré des analyses qui se confirment l'une l'autre sur la majeure partie des points traités dans ce document.  
CU PR QU SA

### Accumulation of lysophosphatidylcholine and lysophosphatidylethanolamine in muscle of fresh skipjack

by T. Ohshima and C. Koizumi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 16 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5145) *Originally published in Japanese, in Japan*. ISBN 0704-3716  
MICROLOG 90-00121 1 fiche

During frozen storage, phosphatidylcholine (PC) and phosphatidylethanolamine (PE) in fish meat are hydrolyzed into lysophosphatidylcholine (LPC) and lysophosphatidylethanolamine (LPE) through the action of phospholipase A2. This paper examines the changes in fish meat (fresh skipjack samples) phospholipids during frozen storage by new methods using high-speed liquid chromatography.

• CA CF FI LS SC

### Accumulation of mercury by plankton and benthic invertebrates in riverine lakes of northern Manitoba, Canada importance of regionally and seasonally varying environmental factors

by T.A. Jackson. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 15 p. : ill. Bibliogr. (NHRI contribution ; no. 88041) In Canadian Journal of Fisheries and Aquatic Sciences: vol. 45, no 10, 1988. ISSN 0838-1992  
MICROLOG 90-06484 1 fiche

A previous paper (Jackson 1988b) treated the biogeochemistry of mercury (Hg), especially the production of methyl mercury (CH<sub>3</sub>Hg) in sediments and water of lakes along the Churchill River diversion route in northern Manitoba, with emphasis on the effects of



environmental alteration caused by recent hydroelectric development. In this paper, accumulation of Hg by plankton and benthic invertebrates in these lakes is examined. The study investigated the effects of environmental factors in general, and the impact of reservoir creation in particular, on Hg levels in planktonic and benthic organisms. The samples for this study were taken from Granville Lake, Southern Indian Lake and selected lakes of the Notigi Reservoir complex (Rat Lake, Central Mynarski Lake, and the east and west basins of Notigi Lake).  
CA EV FI LS MS SC

**L'ACDI et le développement durable : comment les politiques d'aide du Canada peuvent assurer un soutien plus efficace au développement durable dans le Tiers Monde**

Halifax : l'Institut de recherches politiques, 1989. xiv, 111, xiii, 99 p. Bibliogr. *Bilingue (CIDA and sustainable development...)*. ISBN 0-88645-097-7  
MICROLOG 90-02505 3 fiche

Le document se penche particulièrement sur les points suivants. L'impératif de croissance et le développement durable; le développement durable et la prise de décisions centralisée; la protection, la préservation et la mise en valeur de l'environnement aux fins du développement; la gestion de la croissance urbaine; la démocratisation du processus de développement, et, les priorités opérationnelles pour le développement durable.

• CA EV EX PA

**Achievement testing program : provincial report : 1989 administration**

Edmonton : Alberta Education, Student Evaluation and Records, 1989. vi, 72 p. : ill. *CSI 34106 002*  
MICROLOG 90-02579.1 fiche

Presents a summary of achievement test results, and provides information on such matters as student achievement by gender and over time; developing achievement tests; and standard setting results in relation to standards.  
AL ED PR

**Acid generation and inorganic precipitate formation in mine tailings at the South Bay site : final report**

by R.O. Van Everdingen and M. Kalin. Toronto : Boojum Research Limited, 1989. ix, 44 p. : ill. *CANMET contract: 99104-01-SQ*.  
MICROLOG 90-03971 1 fiche

The South Bay tailings site is located on the east shore of Confederation Lake, 65 km northeast of the Town of Ear Falls, Ontario. The site contains tailings from a zinc/copper concentrator operated by BP-Selco from 1971-81. By 1985, oxidation of sulfide minerals in the tailings was producing acidic seepage with elevated iron and zinc contents, which affected water quality in Boomerang Lake. In the fall of 1986, studies were undertaken to design a close-out scenario that would minimize or eliminate the release of heavy metals from the site to surface waters in the area. As part of those studies, piezometers were installed in and around the tailings basin and the mine site during October 1986. Since that time a large set of data on water levels, subsurface temperatures, and composition of subsurface water in and below the tailings has been accumulated. The evaluation of the available data presented in this report was undertaken to attempt determination of the rate of acid generation and release from the tailings area, and the rate of loss of iron and other metals from solution by precipitation within the tailings.

• CA CM EV NR ON PS SC

**Acid precipitation and groundwater chemistry at the Turkey Lakes Watershed**

by D. Craig and L.M. Johnston. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 8 p. : ill. Bibliogr. (NHRI contribution : no. 87010) *In Canadian Journal of Fisheries and Aquatic Sciences: vol. 45, supplement no. 1, 1988. ISSN 0838-1992*  
MICROLOG 90-06478 1 fiche

Studies in the Turkey Lakes watershed, located north of Sault Ste. Marie, Ontario, are examining the effects of acidic precipitation on a string of 5 lakes in a forested, temperate watershed. This paper presents the results of a study of groundwater chemistry in the watershed and describes the dominant weathering reactions and processes that govern this chemistry, particularly as they relate to the problem of acid rain.  
CA EV ON PS SC

**Acid Precipitation in Ontario Study : Annual program report 1988-89**

Toronto : The Study, 1990. vii, 94 p. : ill., maps. Bibliogr. *CSI 55133.001*.  
MICROLOG 90-02773 2 fiche

In 1979, the Acidic Precipitation in Ontario Study (APIOS) was launched to study and document the effects of acid deposition, and to implement an effective abatement strategy. The major components of the study include scientific research, abatement, communications, and litigation. APIOS operates on a 5-year planning cycle and the second 5-year plan (1986-90) is nearing the end. This report gives an overview of the mandates of the APIOS program, accomplishments and major findings in 1988-89, and future directions during 1989-90. The report describes the programs of the scientific work groups (atmospheric processes, aquatic effects, terrestrial effects, biogeochemistry, environmental management and economics studies, and laboratory support services and methodology studies) and provides background information on abatement, communications and litigation initiatives. A summary of international LRTAP projects with Ontario Ministry of the Environment involvement and a bibliography of APIOS related publications and technical reports are included.  
EV ON PR SC

**Acid rain -- Rev.**

by T. Curren. Ottawa : Library of Parliament, Research Branch, 1989. 21 p. Bibliogr. (Current issue review : 79-37E) *French ed. (Les Pluies acides) on the same fiche. ISBN 0-660-13366-0*  
MICROLOG 90-03019 1 fiche

Overview of the issue of acid rain, including background information on its formation, emissions of acidifying pollutants in North America, and the growth of the problem. The environmental effects on aquatic and terrestrial ecosystems, on human health and on man-made structures are given and areas of Canada susceptible to acidic precipitation are identified. Parliamentary action in the form of the Clean Air Act and the Sub-Committee on Acid Rain are described.  
CA CI EV SC

**Acid rain control : potential commercial forestry benefits to Canada**

by G.A. Fraser. Ottawa : Forestry Canada, Economics Branch, 1989. 31 p. Bibliogr. (Information report : E-X-42) *French ed. (Lutte contre les pluies...)* : 90-02898/1. ISSN 0834-938X ISBN 0-662-17171-3  
MICROLOG 90-02467 1 fiche

This study develops a preliminary estimate of the commercial forestry benefits resulting from long range air pollution control. Two

alternative pollution control options are evaluated against a base case in which no further pollution control measures are implemented. The first program of additional controls and regulations simply maintains long range air pollution at recent (1984) levels into the indefinite future. The second program of controls and regulations is much more extreme and can achieve a 50% reduction in long range air pollution levels by 1994 and maintain these new lower pollution levels into the indefinite future. These control programs reflect a subjective assessment of the feasible range of policy options. Noncommercial forestry values are unevaluated and annual tree-cropping activities are not taken into consideration. The relationship between the percentage changes in forest productivity under the alternative pollution scenarios and future commercial harvest rates is also investigated.  
• CA CO EV SC

**The Acid Rain National Early Warning System (ARNEWS) plot network**

by S.P. D'Eon and J.M. Power. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1989. v, 119 p. : ill. Bibliogr. (Information report : PI-X-91) ISSN 0706-1854 ISBN 0-662-17026-1  
MICROLOG 90-00229 2 fiche

Forestry Canada has established a network of forest plots across Canada for the acid rain national early warning system. These plots are remeasured on a regular basis to enable detection and monitoring of changes in forest health. This report describes the trees and stand characteristics of each of the 103 plots at the time of plot establishment.  
• CA EV SC

**Acid sensitivity of lakes in Ontario, 1989**

Toronto : Environment Ontario, 1990. 30 p. *Bilingue (Sensibilité des lacs...)*. *CSI 55133.002. ISSN 0833-546X*  
MICROLOG 90-05750 1 fiche

The Ontario Ministry of the Environment, in cooperation with the Ministry of Natural Resources, conducts lake surveys to determine the sensitivity of Ontario lakes to acidic precipitation. This 6th summary of the results of the survey includes information on 6,722 lakes throughout the province. The list is cumulative, so changes in the number of acidic lakes from previous brochures reflect new lakes that have been identified, rather than lakes turning acidic since the last listing was published. The brochure presents an alphabetical list by county or district of the lakes sampled to date, with an indication of the relative sensitivity of each of the lakes to the acidification process. The table provides a summary of the number and percentage of lakes in each alkalinity class organized by county or district.  
EV ON PR SC

**Acide sulfurique**

Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1990. 19 p. Bibliogr. (Fiche toxicologique ; no 19) ISSN 0827-8849 ISBN 0-660-91950-8  
MICROLOG 90-05576 1 fiche

Cette fiche a été préparée par le personnel du Centre canadien d'hygiène et de sécurité au travail et s'adresse surtout, comme source de renseignements, aux personnes qui, par leur travail risquent d'être exposées à l'acide sulfurique. L'information recueillie concerne généralement les questions d'hygiène au travail et porte particulièrement sur: la toxicologie; les risques d'incendie et d'explosion; la limitation de l'exposition; la manutention et l'entreposage de petites quantités; les premiers soins; les limites d'exposition; et, les propriétés chimiques et physiques.

• CA EV HE LA SC



**Acidic Precipitation in Ontario Study : annual statistics of concentration and deposition : daily precipitation and air monitoring network, 1987**

prepared for Air Resources Branch, Ontario Ministry of the Environment ; by A.P.I.O.S. Coordination Office, Ontario Ministry of the Environment, Toronto : Ontario Ministry of the Environment, A.P.I.O.S. Coordination Office, 1990. 45 p. CS/ 55123.008. ISSN 0824-880X  
MICROLOG 90-06774 1 fiche

Summaries of 1987 analytical results obtained from the Acidic Precipitation in Ontario Study daily precipitation and air monitoring network. All available data are utilized in the calculations except results reported as being unreliable or approximate, or when concentration levels exceeded the upper limit of the range of the chemical analysis. Summaries include number of samples, mean, standard deviation, maximum, minimum, and quartiles. Data is presented by station and by region for precipitation concentration and wet deposition.  
EV ON PR PS SC ST

**The Acidification of Ontario lakes : an assessment of their sensitivity and current status with respect to biological damage**

by B.P. Neary...et al. Toronto : Environment Canada, 1990. xiii, 171 p. : ill., maps. Bibliogr. ISBN 0-7729-6550-1  
MICROLOG 90-04766 2 fiche

The Ontario acid sensitivity database (OASD) is a compilation of chemical data collected on about 6000 lakes, derived from a number of studies, most of them conducted as part of the Acid Precipitation in Ontario study (APIOS). This report describes the water chemistry of those lakes, giving summaries of the data and studies used. Details are given on the measured lake chemistry for cations, anions, metals, conductivity, apparent and true colour and dissolved organic carbon. Sulphur deposition zones are detailed, along with the chemical characteristics of lakes by such zones. The report concludes with estimates of lake resources affected by acid deposition.  
EV LS ON PR SC

**Acidified feed (silage) for fish : practical experiences**

by E. Austreng. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 8 p. (Canadian translation of fisheries and aquatic sciences ; no. 5347) Originally published in Norwegian. ISSN 0704-3716  
MICROLOG 90-01482 1 fiche

Much of the available fish raw material is not put to practical use, since fluctuations in availability make it necessary to store it for varying periods. Although cold storage is a suitable method, it is often costly and work-intensive. Since 1977, research has been ongoing on acidified fish feed. This paper describes storage methods, feed consistency, raw material quality, growth and product quality, appetite tests, long-term effects, raw material for preservation, and practical use.  
• CA CF FI SC

**L'Acné : un résumé des risques sur le plan professionnel**

par R. Bertolini. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. 1, 5 p. Bibliogr. ISBN 0-660-92646-6  
MICROLOG 90-00246 1 fiche

L'acné professionnelle est une inflammation des glandes qui sécrètent les huiles qui lubrifient la peau. L'inflammation se produit lorsque certaines substances chimiques bloquent les pores de la peau, causant une accumulation des huiles et la formation d'une protéine

nommée kératine. L'accumulation des huiles et la formation de la kératine produisent les points noirs qui caractérisent l'acné professionnelle. Ce document aborde la question en donnant les points importants.  
• CA HE LA

**Acoustic methods for measuring thickness of oil on water**

by A.M. Nawwar...et al. Ottawa Environmental Studies Research Funds ; Kanata, Ont. : Arctec Canada Limited, 1987. v, 57 p. : ill. Bibliogr. (Environmental Studies Research Funds report ; no. 072) ISBN 0-920783-71-6  
MICROLOG 90-06960 1 fiche

The knowledge of the thickness of oil slicks floating on water is a primary requirement to establishing the amount of oil and to deciding on appropriate spill countermeasures. This study focuses on acoustic methods for measuring oil thickness on water using surface acoustic waves or frequency dependence of the amplitude of reflected acoustic energy. The study consisted of a theoretical investigation to assess the feasibility of using surface acoustic waves and an initial exploratory experimental program to generate and detect Rayleigh waves in oil. A limited scope experimental study was undertaken to determine the initial feasibility of the technique and to establish whether a more comprehensive experimental program was justified.  
• CA EV SC

**Acoustical measurements in some Canadian homes**

by J.S. Bradley. Ottawa : National Research Council Canada, Institute for Research in Construction, 1986. 5 p.  
MICROLOG 90-00162 1 fiche (Available on fiche only)

The means and standard deviations of several acoustical quantities are presented from measurements in 602 multiple residence homes which included approximately equal numbers of apartment blocks and row housing as well as owners and renters from 3 different urban areas. The acoustical values included background noise levels and complete transmission loss measures of common walls.  
CA PL PS SC

**L'Acquisition et la revente d'immeubles au centre-ville de Terrebonne**

Québec : Gouvernement du Québec, Ministère des affaires municipales, 1989. 7 p. : cartes géogr. (Aménagement et urbanisme) ISBN 2-550-19560-4  
MICROLOG 90-02187 1 fiche

A sa séance du mois d'août 1985, le conseil municipal de Terrebonne adoptait à l'unanimité une résolution prévoyant l'acquisition de deux vastes propriétés situées au sud de la rue Saint-Jean-Baptiste, en plein centre-ville. Ce document a pour but de faire connaître les pouvoirs dont l'ensemble des municipalités du Québec disposent à cet effet, de montrer les avantages qu'on peut en tirer et d'illustrer la façon de les utiliser. Pour ce faire on prend comme exemple un projet en voie de réalisation au centre-ville de Terrebonne.  
CO PA PL PR QU SC

**Acquisition, sale and commitment of crown land in Manitoba and the Interlake, 1960-89 : an overview**

Winnipeg : Manitoba Natural Resources, Communications, Economics and Planning, 1990. ii, 60 p. : ill., maps.  
MICROLOG 90-03434 1 fiche

This report provides a quantitative review of the land acquisition programs, Crown land sales and exchanges, and growth of Provincial Forests, Parks, Wildlife Management Areas and

Community Pastures in Manitoba. It also identifies, where possible, the impact of these programs on agricultural land use.  
MS PR PW

**The Action challenge : strategic directions for recreation**

Victoria Ministry of Municipal Affairs, Recreation and Culture, 1989. iii, 144 p. : ill. Summary (ii, 78 p.) laid in  
MICROLOG 90-01459 3 fiche

This report summarizes the report of the Committee to the Minister. It includes an examination of the current situation, long term directions, and implementation strategies.  
BC CU PR

**Action concertée pour une saine alimentation : recommandations alimentaires pour la santé des Canadiens et Canadiennes et stratégies recommandées pour la mise en application**

Canada. Santé et bien-être social Canada. Comité des communications et de la mise en application. Ottawa : le Comité, 1990. ii, 104 p. Bibliogr. L'éd anglaise (Action towards healthy...) : 90-04343.2. ISBN 0-662-95796-2  
MICROLOG 90-04342 2 fiche

Ces recommandations visent à fournir de l'information sur l'adoption d'un comportement alimentaire permettant d'obtenir la quantité recommandée des éléments nutritifs essentiels tout en réduisant le risque de maladie chronique. Le document porte principalement sur les recommandations du Comité scientifique de révision, l'adaptation des recommandations du CSR, l'examen du Guide alimentaire canadien, l'état de la situation, les programmes d'intervention en nutrition, et, la politique publique et en nutrition favorisant la santé.  
CA HE SC

**Action contre les drogues : bilan et perspectives nouvelles**

Ottawa Gouvernement du Canada, 1988. 30, 28 p. : ill. Bilingue (Action on drug abuse...). ISBN 0-662-56081-7  
MICROLOG 90-00123 1 fiche

Ce document dresse le bilan de la Stratégie nationale antidrogue après sa première année. Il met en lumière certaines des mesures qui ont été prises afin de réduire l'abus d'alcool et de drogues au Canada et jette un coup d'oeil sur celles qui seront adoptées dans les prochains mois. On y aborde particulièrement la réalité et la fiction en ce qui concerne l'abus de l'alcool et des drogues au Canada, l'éducation et la prévention, les services à l'intention de groupes spéciaux; le traitement et la réadaptation, l'exécution et le contrôle, l'information et la recherche, la collaboration internationale, la perspective nationale, les programmes d'action communautaire; et les projets en 1987-88.  
BS CA SA

**Action on drug abuse : making a difference**

Ottawa : Government of Canada, 1988. 28, 30 p. : ill. Bilingual (Action contre les drogues...). ISBN 0-662-56081-7  
MICROLOG 90-00123 1 fiche

This document addresses the following issues: the reality of abuse of alcohol and other drugs in Canada; a national drug strategy to respond to alcohol and drug abuse, education and prevention; services for special groups, treatment and rehabilitation, enforcement and control; information and research; and international cooperation.  
BS CA CI SA



### Action on drug treatment services : an advocacy paper on drug treatment needs in Toronto

Toronto (Ont.). Mayor's Task Force on Drugs. Treatment and Rehabilitation Committee. Toronto : The Task Force, 1990. 37 p. Bibliogr.  
MICROLOG 90-05777 1 fiche

Contains observations, findings, and recommendations resulting from the Committee's review of treatment and rehabilitation services for Toronto area residents with substance abuse problems, particularly those with illicit drug problems.

BS HE MU ON SA

### Action on issues : women and health

Toronto : Ontario Advisory Council on Women's Issues, 1988. 50 p. : ill. Bibliogr.  
MICROLOG 90-06579 1 fiche

This publication looks at some of the major themes dealing with women's health, some information about how women can best use the health care system, and some of the different kinds of action that can be taken. It includes a list of some resources for further information.

HE ON PR SA

### Action plan

Alberta. Premier's Council on the Status of Persons with Disabilities. Edmonton : The Council, 1990. 69 p. : ill.  
MICROLOG 90-03799 1 fiche

Addresses government policy in nine major areas that have an impact on the status of persons with disabilities. It focuses on the following issues that were identified by people with disabilities as the most crucial to their ability to participate in society: training, employment, education, recreation, transportation, housing, accessibility, personal supports, and financial supports.

AL PR SA

### Action plan : a waste minimization strategy for Manitoba in the 1990's : final report

Manitoba. Recycling Action Committee. Winnipeg : The Committee, 1990. viii, 73 p. : ill.  
MICROLOG 90-07150 1 fiche

In June of 1989 the Manitoba Recycling Action Committee was set up and directed to advise the government on how the province could reduce its solid waste generation by 50 per cent by 2000. A number of public meetings were held to solicit the opinions and suggestions of the public and stakeholders and a draft policy was produced in March 1990. This document describes the basic strategy of the Plan, waste reduction goals and targets, a waste minimization strategy, the need for education and information, the development of markets and systems, and the actions to be taken. A series of recommendations are included.

EV MS PR SC

### An Action plan for wildlife habitat mitigation for the Oldman River Dam Reservoir

by A.L. Nilson and J.E. Green. Edmonton : Alberta Public Works, Supply and Services, Oldman River Dam Project Office, 1989. iii, 16 p. : fold. maps.  
MICROLOG 90-01158 1 fiche

In August 1984, the Government of Alberta announced that a dam would be constructed on the Oldman River, downstream of the confluence of the Castle, Crownest and Oldman rivers. A series of mitigation/opportunities plans were formulated and initiated in 1985, including an overview and general data collection, assessment and mitigation design, mitigation implementation, and monitoring. This

report describes actual projects to provide suitable replacement habitat for wildlife, including the protection and enhancement of core habitat areas, development of well-defined movement corridors between the core habitat areas, and enhancement and creation of special use sites such as wetlands.  
AL CI EV PR SC

### An Action plan in response to the Government Policy on the Status of Women in Manitoba

Manitoba Women's Directorate. Winnipeg : The Directorate, 1990. 29 p.  
MICROLOG 90-05007 1 fiche

A 'Statement of Government Policy on the Status of Women in Manitoba' issued eight fundamental principles that will form the basis of government actions and programs affecting the status of women in the province. This Action Plan details the initiatives being undertaken throughout the Government of Manitoba in response to the Government's stated policy.  
MS PR SA

### Action santé : forme physique, alimentation et sécurité

Ottawa : Santé et bien-être social Canada, 1989. 27 p. : ill. L'édition anglaise (*The Active health...safety*) sur la même fiche ISBN 0-662-95355-X  
MICROLOG 90-06432 1 fiche

Le document étudie des questions telles : Comment évaluer l'état de santé? Comment évaluer les efforts pour maintenir ou améliorer la santé? Qu'aimerait-on changer dans notre comportement et quelles sont les contraintes rencontrées dans la recherche de la santé. En plus de répondre à ces questions, le document se penche sur les points suivants : les bonnes habitudes, la santé auto-évaluée; et, la recherche de la santé.  
BS CA HE

### Action santé : les femmes

Ottawa : Santé et bien-être social Canada, 1989. 34 p. : ill. L'édition anglaise (*The Active health : report on women*) sur la même fiche. ISBN 0-662-95919-1  
MICROLOG 90-06462 1 fiche

Ce document fait partie d'une série de rapports interprétatifs issus de l'enquête Promotion Santé Canada. Il est le deuxième à porter sur un groupe de population précis et cherche à établir, à partir des données de l'enquête, la perception qu'ont de leur santé les membres de ces groupes. De plus, les résultats de l'enquête sont également analysés. Son but n'est pas de dresser un tableau définitif de l'état de santé de chaque groupe, mais plutôt de poser des questions et d'y répondre, et de stimuler la discussion sur les meilleures façons de permettre aux membres de chaque groupe de réaliser leurs aspirations personnelles en matière de santé. On a demandé aux femmes d'évaluer leur propre santé, leur stress, leur bonheur et les limites de leurs activités en raison de problèmes de santé. Finalement, l'enquête s'est penchée sur les comportements des femmes en matière de santé.  
CA HE SA

### Action towards healthy eating : Canada's guidelines for healthy eating and recommended strategies for implementation

Canada. Health and Welfare Canada. Communications/Implementation Committee. Ottawa : The Committee, 1990. 100 p. Bibliogr. French ed. (*Action concertée...*) 90-04342/2. ISBN 0-662-17438-0  
MICROLOG 90-04343 2 fiche

This report presents comprehensive strategies for communicating and implementing the nutrition

recommendations suggested in the report of the Scientific Review Committee, including a translation of the updated nutrition recommendations. The report contains Canada's guidelines for healthy eating, current nutrition practices of the population and gaps between current and recommended practices; analysis of existing nutrition activities, programs, methods and materials that are directed to the public; opportunities and challenges for implementation, existing infrastructure for implementing Canada's guidelines; key examples of current nutrition intervention programs; and recommendations for action to nutrition and other health professionals, governments, food and related industries, non-governmental health organizations and the public  
CA CI HE SC

### The Active health report on fitness, nutrition and safety

Ottawa : Health and Welfare Canada, 1989. 27 p. : ill. French ed. (*Action santé : forme...*) on the same fiche. ISBN 0-662-16851-8  
MICROLOG 90-06432 1 fiche

This report looks at the frequency of self-reported preventive practices in five areas: physical activity, breakfast eating, weight control, seatbelt use, and drinking and driving. It also compares the self-rated health, activity limitations, stress levels, and happiness of those who report positive preventive practices and those who do not. It also examines how those surveyed view their own health to the way in which they view their own efforts to enhance their health and their intentions for future change.  
BS CA HE

### The Active health report on seniors

Ottawa : Health and Welfare Canada, 1989. 24 p. : ill. ISBN 0-662-16174-2  
MICROLOG 90-00364 1 fiche

One of a series of interpretative reports based on Canada's health promotion survey, a telephone survey of the health knowledge, attitudes, actions, and beliefs of Canadian adults conducted in June 1985. This report divides seniors into those aged 55-64, and those aged 65 and over, and covers how older Canadians perceive and rate their own health; attitudes and behaviour as related to preventive health practices; self-rated health and activity limitations in the light of life circumstances like gender, income, and education; and how well seniors cope with health problems and activity limitations.  
CA CI HE SA

### The Active health report on women

Ottawa : Health and Welfare Canada, 1989. 29 p. : ill. French ed. (*Action santé : les femmes*) on the same fiche. ISBN 0-662-17631-6  
MICROLOG 90-06462 1 fiche

This document investigates the relationship between women's self-rated health, happiness, and activity-limiting health problems. It also looks at five different groups of women: poor women, women with limited levels of education, unemployed women, senior women, and Native women. The survey findings show consistent evidence of inequalities in health, and indicate a critical need to develop responses that are sensitive to the needs and life circumstances of different groups of women. It discusses prevention of health problems, and examines the capacity of women to cope with activity limitation, stress, unhappiness, and limited social and economic resources, and the need to enhance women's capacity for control in light of challenging environmental demands.  
CA HE SA



### L'Activité des institutions de dépôt au Québec, 1984-88 : statistiques financières

Québec : Bureau de la statistique du Québec. Statistiques financières, 1989. 80 p.  
CSI/ 67131.012. ISBN 2-551-08479-2  
MICROLOG 90-00324 1 fiche

Le document décrit chacun des types d'institutions de dépôt actives au Québec et au Canada, regroupe les faits saillants de l'évolution du marché détenu par les institutions de dépôt au Québec et au Canada, présente les tableaux statistiques sur l'activité financière québécoise et canadienne des institutions de dépôt de 1984 à 1988, et contient les notes méthodologiques générales, un résumé des procédures utilisées lors de l'assemblage des données de même que l'énumération des documents et enquêtes statistiques exploités.  
CO PR QU ST

### L'Activité des institutions de dépôt au Québec, 1985-89

Québec : Bureau de la statistique du Québec. Statistiques financières, 1989. 86 p. : ill.  
CSI/ 67131.012. ISBN 2-551-14211-3  
MICROLOG 90-06755 1 fiche

Ce document décrit chacun des types d'institutions de dépôt actives au Québec et au Canada. Il contient : une liste de renseignements généraux, les faits saillants de l'évolution du marché détenu par les institutions de dépôt au Québec et au Canada; la part que chacun des types d'institutions détient dans les prêts aux entreprises, les prêts hypothécaires, les prêts personnels et les dépôts recueillis de 1985 à 1989; les tableaux statistiques sur l'activité financière québécoise et canadienne des institutions de dépôt de 1985 à 1989, principales données des bilans québécois, cumulés selon le type d'institution et l'origine de leur charte, et, les notes méthodologiques générales, un résumé des procédures utilisées lors de l'assemblage des données de même que l'énumération des documents et enquêtes statistiques exploités.  
CO PR QU ST

### L'Activité métallurgique au Canada : fer et acier de première fusion, 1989

Ottawa : Énergie, mines et ressources Canada, 1989. iii, 53 p. (Bulletin minéral : MR 222)  
L'éd. anglaise (Metallurgical works...) sur la même fiche. CSI 21110.013  
MICROLOG 90-00283 2 fiche

Ce document donne une liste des installations, des capacités de production, des produits et des autres données qui se rapportent aux sociétés qui composent l'industrie canadienne du fer et de l'acier de première fusion à compter du 1er janvier 1989. Elle contient également des sections distinctes concernant l'industrie des tuyaux et des tubes d'acier, l'industrie de la poudre de fer et de la ferrite, et des tableaux traitent des capacités réelles des fours à acier, du nombre et de la capacité des fours de fonte en gueuses, des fours à coke et des usines de frittage.  
CA NR PS SC ST

### Activités de gestion des végétaux de Forêts Canada : recueil de résumés, 1988-89

Ottawa : Forêts Canada, Groupe de travail sur la gestion des végétaux, 1989. 73 p. L'éd. anglaise (Vegetation management activities...) : 90-02526/1  
MICROLOG 90-02520 1 fiche

Le groupe de travail a pour mandat de 'promouvoir l'application de méthodes valables pour l'aménagement de la végétation forestière au Canada'. A cette fin, le document examine quatre objectifs : définir les problèmes régionaux en matière de gestion des végétaux et décrire les problèmes d'envergure nationale; élaborer

des lignes directrices sur la gestion des végétaux et trouver des solutions aux problèmes soulevés; établir et entretenir des liens avec les scientifiques engagés dans des recherches liées à la gestion des végétaux au sein de Forêts Canada et d'organismes régionaux, dans les domaines de la lutte biologique, du brûlage dirigé, de l'application d'herbicides, de la production de matériel de reproduction et des techniques de scarification; et finalement, conseiller les gestionnaires de Forêts Canada sur les priorités en matière de gestion des végétaux et donner suite aux politiques et aux lignes directrices sur la planification.  
CA EV FO SC

### Activités des ministères et des organismes en matière d'accès à l'égalité, 1985-87

Québec : Québec, Secrétariat du Conseil du trésor, Direction des conditions de travail et des politiques de personnel, 1988. 2 v. : ill. (Dossier). Contient : Vol 1 : Bilan des réalisations -- vol 2 : Données statistiques. CSI/ 66100.011. ISBN 2-550-19315-6  
MICROLOG 90-02423 3 fiche

Ce document traite de l'opération recensement tenue dans tous les ministères et les organismes et touchant trois clientèles cibles. Cette opération a été une réalisation majeure de ces deux années. Par la suite, on traite des réalisations des ministères et des organismes en matière d'égalité en emploi pour les clientèles femmes, communautés culturelles et personnes handicapées, ainsi que des résultats obtenus.  
JU PR QU ST

### Activités législatives, 1989

Nouveau-Brunswick. Assemblée législative. Fredericton : L'Assemblée, 1989. 30, 30 p. ill. Bilingue (Legislative activities, 1989)  
CSI 45107.001.  
MICROLOG 90-02592 1 fiche

Ce document présente le Rapport annuel des activités législatives pour l'année se terminant le 31 décembre 1989. On y aborde des sujets tels : la description des fonctions; les statistiques sur la Chambre, les statistiques comparatives sur la Chambre; la bibliothèque de l'Assemblée législative du Nouveau-Brunswick, le Bureau du Journal des débats, les traductions des débats, les services administratifs, la comptabilité générale et le personnel, les statistiques sur le personnel, le tableau des prévisions par poste, les services de protocole et d'accueil, les activités de l'Assemblée législative, la visite de personnages à l'Assemblée législative; et, le Bureau des députés du gouvernement.  
AP PA PR

### Activity and structural analysis fishing vessels 13 m.o.l. and over, 1984

by T.B. Melhus. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 8 p. (Canadian translation of fisheries and aquatic sciences ; no. 5313) Originally published in Norwegian ISSN 0704-3716  
MICROLOG 90-02089 1 fiche

Report on the activity of fishing vessels of 13 metres overall length and over, based on data collected by local fisheries authorities in connection with the cost and earnings studies carried out in November 1984 to determine which vessels are operated year round (30 weeks or more) and which fisheries the vessels have participated in during the year. Data contains information on the main fishing gear used, fish species caught, fishing grounds, and the time fished in weeks for all registered vessels. Only the foreword, table of contents and introduction were translated.  
• CA CF FI SC

### The Activity of fishing vessels 13 m.o.l. and over in 1980

by T.B. Melhus. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5307) Originally published in Norwegian ISSN 0704-3716  
MICROLOG 90-02084 1 fiche

Report on the activity of fishing vessels from 13 metres overall length and longer, based on data collected by local fisheries officials in connection with the studies of vessels of this size carried out by the budget committee for the fishing industry in November 1980. The report gives national and county summaries. Only the foreword, the table of contents and the introduction was translated.  
• CA CF FI SC

### The Activity of fishing vessels 13 m.o.l. and over, 1982

by T.B. Melhus. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 5 p. (Canadian translation of fisheries and aquatic sciences ; no. 5312) Originally published in Norwegian ISSN 0704-3716  
MICROLOG 90-02090 1 fiche

Report on the activity of fishing vessels of 13 metres overall length and longer, based on data gathered by local fisheries authorities in connection with the larger study of costs and earnings carried out in November 1982 to determine which vessels are operated year round (30 weeks and longer) and which fisheries these vessels have participated in during the year. Data includes the most important gear used, fish species and fishing grounds, duration of fisheries in weeks for all registered vessels of the proper size, and which have been fishing during the year. Data is summarized nationally and by county. Only the foreword, table of contents and introduction were translated.  
• CA CF FI SC

### The Activity of fishing vessels 40 feet and over, 1974-78

by J.J. Hansen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5314) Originally published in Norwegian ISSN 0704-3716  
MICROLOG 90-02088 1 fiche

Report on the activity of fishing vessels of 40 feet and over, based on data from local fisheries authorities collected in connection with studies in 1974, 1975 and 1978. Data is summarized for the whole country and by county. Only the foreword, table of contents, and introduction were translated.  
• CA CF FI SC

### Activity studies of fishing vessels 8.0-12.9 m.o.l., 1985

by A. Ostreim. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5301) Originally published in Norwegian, by the Norwegian Directorate of Fisheries, in Norway. ISSN 0704-3716  
MICROLOG 90-02114 1 fiche

Report on the activity of fishing vessels from 8.0-12.9 m overall length in 1985, based on data from local fisheries authorities (fisheries advisors/fisheries boards). The information was collected in connection with the cost and earnings studies. Data is given both nationally and by county. Only the foreword, table of contents, and introduction were translated.  
• CA CF FI SC



**Actuarial report on the Manitoba Municipal Employees Pension Plan as at January 1st, 1989**

Turnbull and Turnbull (Firm). Winnipeg  
Municipal Employees Benefits Board, 1989  
36 p. CSI 42165 002  
MICROLOG 90-04948 1 fiche

Results of the actuarial valuation of the Manitoba Municipal Employees Pension Plan as at January 1, 1989. The valuation determines the financial position of the Plan as at the valuation date, determines the adequacy of the contributions being paid by the employees and participating municipalities, and provides recommendations as to the future course of action based on the financial position revealed.  
LA MS PA PR

**Actuarial report on the Public Service Group Insurance Fund, 1988**

Winnipeg. Civil Service Superannuation Board, 1989. 47 p.  
MICROLOG 90-01453 1 fiche

Indicates the financial position of each part of the Fund, evaluates the sufficiency of the contribution rates currently being paid by employees and participating employers, and indicates the apparent break even premium rates for each plan of insurance and, where appropriate, for each type of insurance protection based on the present and possible future distribution of insurance by age and sex.  
CO MS PR

**Acute risk considerations for alternate facility and systems options in support of OWMC environmental assessment : final report**

prepared by Fred L. Leverenz, for the Ontario Waste Management Corporation  
Columbus, OH. Battelle Columbus Laboratories, 1988. 20 p. Bibliogr.  
MICROLOG 90-02873 1 fiche

Description of acute public risk to the individual and population and acute worker risk to the individual and population depending on different configurations of the waste treatment facilities proposed by the Ontario Waste Management Corp. (OWMC). Assumptions and risks are considered for partially integrated facility options and decentralized fully-integrated systems options.  
EV ON PR SC

**Acute toxicity of isomers of the pyrethroid insecticide deltamethrin and its major degradation products to *Daphnia magna***

by K.E. Day and R.J. Maguire. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 13 p. Bibliogr. (NWRI contribution ; 89-161)  
MICROLOG 90-02450 1 fiche

The synthetic pyrethroid insecticide deltamethrin is registered in Canada under the trade name Decis to control insect pests in large acreage crops such as potatoes, cereals, tobacco and cotton. This document determines the acute toxicities (4-h, 24-h and 48-h) of 8 stereoisomers and 4 major breakdown products of deltamethrin to *Daphnia magna*.  
CA EV SC

**Adaptation aux technologies et aux programmes d'études : bilan du programme, 1987-89**

Québec. Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, Direction des affaires éducatives, 1989. 43 p. CSI 66131.015  
ISBN 2-550-19750-X  
MICROLOG 90-02037 1 fiche

Ce document expose les différents aspects du programme de perfectionnement qui se regroupe en quatre parties successivement développées: les caractéristiques principales du programme, une description des projets, le profil des personnes responsables ainsi que des participants, et, en dernier lieu, une description du budget du programme. Il aborde particulièrement la description des projets, le profil des promoteurs et des participants; et la description du budget du programme.  
ED PR QU ST

**Adaptations to bearing of eggs in some marine bivalves**

by T.A. Matveeva. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 8 p. : ill. (Canadian translation of fisheries and aquatic sciences, no. 5170) Originally published in Russian, at Leningrad, USSR. ISSN 0704-3716  
MICROLOG 90-00078 1 fiche

The majority of marine bivalves cast mature sexual products into the water, where fertilization and the development of embryos take place. In this method of reproduction, elimination of eggs and embryos is especially high and can be countered only by a very high production of gametes. This paper describes a simple adaptation for the protection of embryos, adopted by representatives of the family Ostreidae, and in particular by *Ostrea edulis* and *Ostrea lamellosa*.  
• CA CF FI LS SC

**Addiction Research Foundation (Ont.) : Annual report 1987-88**

Toronto. The Foundation, 1988. 40 p. : ill. CSI 56100 001  
MICROLOG 90-02264 1 fiche

The driving purpose of the Foundation is to help reduce the pain, suffering and lost human potential caused by the excessive and inappropriate use of alcohol and other drugs. This annual report reviews the following aspects of the Foundation: knowledge, treatment, prevention, and public awareness. It includes financial reports, and lists grants, contracts and donations.  
HE ON PR ST

**Addiction Research Foundation (Ont.) : Annual report 1988-89**

Toronto. The Foundation, 1989. 32 p. French ed on the same fiche. CSI 56100.001.  
MICROLOG 90-04139 1 fiche

Annual report of the Foundation, giving highlights of the year's activities; the goals, objectives and responsibilities of the Foundation; a summary of its history, research projects completed and in process; treatment methods and programs and prevention and public awareness measures. A financial statement is included.  
ON PR SA

**Addiction Services of Prince Edward Island : Annual report 1988-89**

Charlottetown. The Services, 1989. 63 p. CSI 62100.001  
MICROLOG 90-04382 1 fiche

Addiction Services, an organization to help chemically dependent persons, has offices located in Kings, Queens and Prince Counties. Summaries of the activities of each branch appear in the annual report. Briefly outlines the duties undertaken by each branch and gives statistical summaries of caseloads (by type of treatment) handled during the year.  
AP BS PR SA ST

**Addition of refractory compounds to molten zirconium**

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1968. 5 p. (Report ; PM-M 68-22)  
MICROLOG 90-04655 1 fiche

Dispersion strengthening has received much attention in recent years as a means of improving the elevated-temperature strength of metals and alloys. In the course of studies on dispersion strengthening of zirconium, the effect of direct addition of refractory compounds to zirconium during arc-melting was investigated. This note deals with effects obtained by making additions of ThO<sub>2</sub> to zirconium in this manner.  
• CA CM NR PS SC

**Adjustment to international competition : short-run relations of prices, trade flows, and inputs in Canadian manufacturing industries**

by R.E. Caves. Ottawa : Economic Council of Canada, 1990. x, 71 p. Bibliogr. ISBN 0-660-13468-3  
MICROLOG 90-04220 1 fiche

This report builds on 2 types of research on the structure and performance of Canadian manufacturing industries. One line addresses industries of domestic producers who serve the small Canadian market in competition with imports and is concerned with the productive efficiency of these industries but not with their short-run responses to international competition. The other line concerns the short-run sensitivity of responses of the manufacturing industries' prices, output, and employment levels to disturbances, focused on responses to domestic disturbances but not international. Using annual data on many individual industries, the study builds a statistical model of adjustments to changes in international competition such as changes in prices and varieties of importable goods, and in Canadian tariffs and the exchange rate. It tracks the effects of those changes on the selling prices of Canadian producers, quantities of imports and exports, and the key input decisions of employment and capital expenditures. It draws conclusions about these adjustment processes for the typical manufacturing industry but also shows how these adjustments vary among sectors and types of industries.  
CA CO EX

**Administration de la voie maritime du Saint-Laurent (Canada) : Rapport annuel 1989-90**

Ottawa : l'Administration, 1989. 14, 14 p. : ill. Bilingue. CSI 22285 001. ISSN 0581-3298  
MICROLOG 90-06334 1 fiche

Ce rapport annuel présente une revue des activités de l'Administration pour l'exercice financier terminé le 31 mars 1990. Il met l'accent sur le trafic, les finances, l'exploitation, le programme de réfection du canal de Welland et les tonnages et les transits. Inclut aussi les états financiers.  
CA SC TR

**Administration de pilotage de l'Atlantique (Canada) : Rapport annuel 1987**

Halifax : l'Administration, 1988. 14, 14 p. Bilingue. CSI 22103.001.  
MICROLOG 90-00511 1 fiche

Le Conseil d'administration a la responsabilité d'assurer que la Direction remplisse ses

obligations en matière de présentation des rapports financiers et de contrôle interne. Ce rapport présente donc les états financiers de la Direction, conformément aux principes comptables reconnus

• AP CA SC TR PA

#### Administration de pilotage de l'Atlantique (Canada) : Rapport annuel 1988

Ottawa : l'Administration, 1989. 14, 14 p.  
*Bilingue*. CSI 22103.001  
MICROLOG 90-00876 1 fiche

Le rapport annuel de l'administration de pilotage de l'Atlantique donne des données sur l'administration telles le bilan, l'état des résultats, l'état du capital d'apport, l'état de l'évolution de la situation financière, les notes afférentes aux états financiers, l'examen comparatif quinquennal et les zones de pilotage situées dans les eaux canadiennes se trouvant dans les provinces de la Nouvelle-Ecosse, du Nouveau-Brunswick, de Terre-Neuve, de l'Île-du-Prince-Édouard et du Québec.

• AP CA SC TR PA

#### Administration de pilotage de l'Atlantique (Canada) : Rapport annuel 1989

Halifax : l'Administration, 1990. 14, 14 p.  
*Bilingue*. CSI 22103.001  
MICROLOG 90-04706 1 fiche

Document présentant le rapport annuel pour l'année 1989 de l'administration de pilotage de l'Atlantique. Il porte particulièrement sur les états financiers qui ont été préparés par la Direction conformément aux principes comptables généralement reconnus.

• AP CA SC TR PA

#### Administration de pilotage des Grands Lacs (Canada) : Rapport annuel 1987

Cornwall, Ont. : l'Administration, 1988. 15 p.  
*Bilingue*. CSI 22393.001  
MICROLOG 90-06768 1 fiche

Ce document présente le rapport annuel de l'Administration de pilotage des Grands Lacs Ltée. pour l'année 1987. Il présente les états des résultats, du déficit et de l'évolution de la situation financière pour l'exercice terminé à cette date.

CA SC TR

#### Administration de pilotage des Grands Lacs (Canada) : Rapport annuel 1989

Cornwall, Ont. : l'Administration, 1990. 15 p.  
*Bilingue*. CSI 22393.001  
MICROLOG 90-05083 1 fiche

Établie en 1972, l'objectif premier de l'Administration est d'établir, d'exploiter, d'entretenir et d'administrer un service de pilotage dans toutes les eaux de l'Ontario, du Manitoba et du Québec au sud de l'écluse de St-Lambert. On présente ici le rapport annuel pour l'exercice clos le 31 décembre 1989. Les états financiers y sont également inclus.

CA SC TR

#### Administration de pilotage des Laurentides (Canada) : Rapport annuel 1989

Ottawa : l'Administration, 1990. 15 p.  
*Bilingue*. CSI 22241.001. ISBN 0-662-57312-9  
MICROLOG 90-05420 1 fiche

Ce document présente le rapport annuel de l'Administration de pilotage des Laurentides, qui a été établie le 1er février 1972. Cette administration a le mandat d'établir, de faire fonctionner, d'entretenir et de gérer, pour la

sécurité de la navigation, un service de pilotage efficace dans les eaux canadiennes. Le document porte principalement sur les faits saillants financiers et statistiques et l'exposé des responsabilités de la direction.

#### Administration du pétrole et du gaz des terres du Canada : Rapport annuel 1989

Ottawa : l'Administration, 1990. 42 p. ill., cartes géogr. CSI 22119.002. ISBN 0-662-95980-9  
MICROLOG 90-06174 1 fiche

L'Administration du pétrole et du gaz des terres du Canada (APGTC) constitue le principal lien entre le gouvernement et l'industrie pétrolière et gazière en ce qui a trait à la réglementation des activités liées aux hydrocarbures sur les terres domaniales, lesquelles comprennent le territoire du Yukon, les Territoires du Nord-Ouest, la baie d'Hudson et la plupart des zones situées au large des côtes canadiennes. Ce rapport annuel fait le bilan des activités des différentes directions qui incluent gestion des droits, évaluation des ressources, protection de l'environnement, et retombées économiques.

CA EN NO SC ST

#### Administration of the Privacy Act and the Access to Information Act : Annual report 1987-88

Ottawa : Veterans Affairs Canada, 1988. 23, 23 p. *Bilingual* (L'Application de la Loi.) CSI 21125.002  
MICROLOG 90-00735 1 fiche

This annual report includes statistical reports on the Privacy and Access to Information Acts, and provides information on organization and implementation.

CA JU SA

#### Administrations publiques locales du Québec, 1987

Québec : Bureau de la statistique du Québec, Statistiques financières, 1989. 36 p.  
CSI 67131.043. ISBN 2-551-12157-4  
MICROLOG 90-03895 1 fiche

Les statistiques présentées dans cette publication couvrent les municipalités locales (municipalités et régies intermunicipales) et les municipalités régionales (communautés urbaines et régionales et municipalités régionales de comté). Pour chacune des administrations locales et ses composantes, on retrouve les revenus généraux bruts selon la source, les dépenses générales brutes selon la fonction et par catégorie, les dépenses en immobilisation, l'actif financier et le passif. Un tableau croisé établit le lien entre les dépenses selon la fonction et par catégorie. Des notes méthodologiques sont présentées en annexe.

CO MU PA PR QU ST

#### Administrations publiques locales du Québec, 1988

Québec : Bureau de la statistique du Québec, Statistiques financières, 1990. 38 p.  
CSI 67131.043. ISBN 2-551-12352-6  
MICROLOG 90-06538 1 fiche

Les statistiques présentées dans cette publication couvrent les municipalités locales (municipalités et régies intermunicipales) et les municipalités régionales (communautés urbaines et régionales et municipalités régionales de comté). Pour chacune des administrations locales et ses composantes, on retrouve les revenus généraux bruts selon la source, les dépenses générales brutes selon la fonction et par catégorie, les dépenses en immobilisation, l'actif financier et le passif. Un tableau croisé établit le lien entre les dépenses selon la fonction et par catégorie. Des notes méthodologiques sont présentées en annexe.

CO MU PA PR QU ST

#### Administrative, financial and fiscal terms -- 2d ed.

Ottawa : Translation Bureau, Terminology and Documentation Branch, 1978. iv, 284 p.  
(Terminology bulletin : 154) *Bilingual* (Termes fiscaux, financiers). ISBN 0-660-01684-2  
MICROLOG 90-04743 3 fiche

Revised and enlarged glossary in use in the Dept. of National Revenue, Taxation, featuring the following areas: taxation, finance (economics, commerce, business, stock exchange, etc.), administration, personnel, management, grievance, collective agreements, etc.), and computer science.

CA CO PA

#### The Adsorption of oleic acid on hematite as influenced by pH : a radiometric study

by D. Maksimov and C. Lapointe. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 8 p. ill. (Report : MS 65-88)  
*Presented at the 4th Canadian Conference of Metallurgists*  
MICROLOG 90-04637 1 fiche

The adsorption of fatty acids on metallic oxides has been the subject of extensive studies, and several theories have been proposed to explain the stability of the adsorbed films. This paper describes the measurement of the amounts of oleic acid adsorbed on pure hematite at various concentrations and pH, and the fractions of the adsorbed films remaining on the mineral after drastic extraction with an organic solvent. This will provide information on the nature of the attachment of the oleic acid molecule at the hematite surface.

• CA CM NR PS SC

#### Adult literacy in northern Alberta : a background report -- Rev.

Peace River, Alta. : Northern Alberta Development Council, 1989. 133 p. ill. Bibliogr.  
MICROLOG 90-00154 2 fiche

This paper includes a literature review, an analysis of the literacy situation in the north which discusses literacy learners (present and potential), projects and programs, and concludes by identifying eight key northern literacy issues.

AL CI PR SA

#### Adult literacy in northern Alberta : position paper

Northern Alberta Development Council. Peace River, Alta. : The Council, 1989. 19 p. : ill.  
MICROLOG 90-00144 1 fiche

Provides a map depicting the Northern Alberta Development Council area. It also discusses the background report which summarizes the highlights and results of two studies, and the guiding principles in new developments that meet the growing demands in literacy. Includes recommendations.

AL CI ED PR SA

#### Advanced planning and control technologies for housing construction

by A.D. Russell. Ottawa : Canada Mortgage and Housing Corporation, 1989. 189 p. : ill. Bibliogr.  
MICROLOG 90-03773 3 fiche

Report on the use of advanced planning technologies and computer graphics for defining and evaluating alternative construction plans, development of a process for updating which could account for changes in activity sequencing, activity durations, delays and acceleration of work and scope changes, and for evaluating and selecting appropriate corrective action; and examination of useful



ways for representing project experience to create a knowledge base for the development of an expert system. Two detailed case studies of multi-storey residential construction are used to demonstrate the current state of time management practices in the construction industry, to explore the use of different updating formats and to demonstrate the power of repetitive planning structures, especially for speedy updating when location sequences change. Work on the 3d topic focused on identifying frameworks for standardizing and representing project experience and describing it in the form of rules which could be incorporated into an expert system  
CA PL PS SC

#### Advanced train control systems : a selective bibliography

by Lapp-Hancock Associates Limited, Conrad Loughton and Dorothy Rogers, editors.  
Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1989. vii, 37 p.  
*Bilingual (Systèmes d'automatisation de la...)*  
MICROLOG 90-05794 1 fiche

International bibliography of selected works dealing with advanced train control systems (ACTS) published from 1978 to September 1988, with emphasis on the project of the Association of American Railroads. Categories covered include development documents, communication and signaling systems and equipment, on-board (train) equipment, related R&D, associated tests and related pilot projects, reviews of the ATCS project and related publications, and other advanced train control systems and equipment. An index of personal and corporate authors is included  
CA SC TR

#### Advances in sawmill technology : proceedings

compiled and edited by G.R. Middleton. S.I. : Forest Resource Development Agreement, 1989. iii, 147 p. : ill. (FRDA report, 102)  
ISSN 0835-0752 ISBN 0-662-17448-8  
MICROLOG 90-02499 2 fiche

Forintek Canada Corp.'s 1988-89 research program achieved important developments in sawing, saw control, moisture sorting and incising for treatment and seasoning of lumber. These achievements, along with the results of mill performance tests of camera scanners for computer-optimized log bucking and of curve sawing equipment, were reported to Forintek's member companies through a series of seminars, the proceedings of which are described here  
• BC CA FO PS SC

#### AECB staff annual report of Bruce NGS B for the year 1988

Ottawa : Atomic Energy Control Board, 1989. 17 p. (Research report ; INFO-0311)  
MICROLOG 90-01128 1 fiche

The staff observes operation of the reactors, conducts audits, witnesses important activities, reviews station documentation and reports, and issues approvals where appropriate in accordance with licence conditions. The purpose of this report is to summarize and record the conclusions of the staff assessment of the operation  
CA EN SC

#### AECB staff annual report on Point Lepreau G.S. for the year 1988

Ottawa : Atomic Energy Control Board, 1989. 12 p. (Report ; INFO-0325) CSI 22125.004  
MICROLOG 90-06890 1 fiche

Review by AECB staff of the operation of Point Lepreau Nuclear Generating Station during 1988. The review is based on information contained in the documents submitted by the New Brunswick Electric Power Commission and on information gathered by AECB staff via

inspections, audits and rounds. The review covers compliance, radiation protection, effluents and environmental monitoring, process systems, performance of special safety systems, significant events, quality assurance, maintenance, chemistry control, management, training, emergency exercises and drills, security, and measures of performance. Significant licensing matters and activities include licence renewal, containment lead rate testing, automatic trip of heat transport pumps, follow-up to the Chernobyl accident, and steam and feedwater failures in the turbine building.  
AP CA EN SC

#### AECB staff review of Bruce NGS A operation for the year 1988

Ottawa : Atomic Energy Control Board, 1989. 29 p. (Report ; INFO-0326) CSI 22125.005  
MICROLOG 90-06889 1 fiche

This report presents AECB project staff's review of major licensing issues and operational performance of the station during 1988, using Ontario Hydro reports and official correspondence and observations of AECB staff at the site. The report is limited to aspects of the station performance that AECB staff considers to have safety significance. The review covers compliance, maintenance, testing, installation of primary heat transport trip, effluents and environmental monitoring, reactor process systems, performance of special safety systems, shutdown systems, emergency cooling injection system, negative pressure containment, significant events, quality assurance, chemistry, training, emergency drills, and security. Significant licensing matters include primary heat transport pump trips, containment modifications, pressure tube integrity, and standards of operation and maintenance. A list of significant events is also given.  
CA EN ON SC

#### AECB staff review of Pickering NGS operations for the year 1988

Ottawa : Atomic Energy Control Board, 1989. 36 p. (Research report ; INFO-0310)  
MICROLOG 90-01127 1 fiche

The operation of Pickering Nuclear Generation Station (NGS) A Units 1-4 and Pickering NGS B Units 5-8 are monitored to ensure compliance with licensing requirements by the Atomic Energy Control Board (AECB) Pickering project office staff. This report presents the AECB staff's review of major licensing issues and of the operational performance of Pickering NGS during 1988. The report is limited to those aspects that AECB staff considers to have particular safety significance, such as the process system, chemistry, performance of special safety systems, reportable significant events, measures of station performance, radiation protection, station effluents and environmental monitoring, quality assurance audits, training, emergency exercises and drills, security, and maintenance and management.  
CA EN ON SC

#### Aerial application of VirtussR, a nuclear polyhedrosis virus, against whitemarked tussock moth larvae in Newfoundland in 1987

by R.J. West, W.J. Kaupp and J.C. Cunningham. St. John's : Canadian Forestry Service, Newfoundland Forestry Centre, 1989. ii, 10 p. : maps. Bibliogr. (Information report ; N-X-270). ISSN 0704-7657 ISBN 0-662-17397-X  
MICROLOG 90-03317 1 fiche

The whitemarked tussock moth (WMTM) sporadically infests coniferous plantations in eastern North America. Although the insect is primarily a pest of hardwoods, high populations can severely delovate eastern larch, spruce, and balsam fir. This insect is also a nuisance as the larvae have urticating hairs that cause skin rashes on some human individuals. The

market potential for a product to control the WMTM is limited because outbreaks are usually small and self-limiting. The viral insecticide VirtussR, which contains a nuclear polyhedrosis virus (NPV), was aerially applied at a dosage of 2.5 x 10<sup>11</sup> polyhedral inclusion bodies per ha against a larval population in a 25 ha plot containing white birch and balsam fir located near Bottom Brook, Newfoundland in 1987. The treatment was applied at a flow rate of 9.4 L/ha with a fixed-wing aircraft equipped with AU4000 Micronair rotary atomizers. This report presents the results of that spraying.  
• AP CA FO SC

#### Aerial census of grey seal pups in Iceland in 1982

by E. Hauksson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 23 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5258) Originally published in Icelandic. ISSN 0704-3716  
MICROLOG 90-02729 1 fiche

An aerial seal survey in the summer of 1980 revealed that direct counting of mature grey seals involves many problems. These problems make it impossible to obtain an accurate assessment of the population. Surveys in Great Britain assess the seal population by counting the pups at the height of the breeding period, estimating the total number of pups that will be born, and then assessing the total number of mature seals from the findings. This paper applies the pup counting method to Icelandic grey seals.  
• CA CF FI SC

#### Aerial surveys for breeding waterfowl, Atlantic Region, 1985-89

by A.J. Erskine...et al. Ottawa : Canadian Wildlife Service, Atlantic Region, 1990. 11 p. Bibliogr. (Technical report series ; no. 85) ISSN 0831-6481 ISBN 0-662-17405-4  
MICROLOG 90-06292 1 fiche

With continuing concern over declines in number of black ducks, efforts to monitor breeding populations of this species were renewed in the Atlantic Provinces, beginning in the spring of 1983. Helicopter surveys were begun in New Brunswick in 1985 and extended to Nova Scotia and Newfoundland in 1986. These pilot projects are proposed to continue for 5 years, to 1990. This report describes the methods used and summarizes the results.  
• AP CA EV LS SC

#### Aeromonas salmonicida : causal agent of furunculosis in salmonids : identification and therapeutic experimentation in vitro

by M. Truquet and G. Michel. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 8 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5193) Originally published in French. ISSN 0704-3716  
MICROLOG 90-00060 1 fiche

This causal agent of furunculosis in salmonids is responsible for recurrent enzootic disease in intensive fish breeding stations, making it of considerable interest economically. This paper presents the results of a series of tests based on the work of various authors to identify the organism. The paper also discusses the in vitro effectiveness of new and traditional treatments, based on the experimental findings of the authors.  
• CA CF FI LS SC

#### Aeronautical communications

Ottawa : Transport Canada, Air, 1981. 152, 159 p. (Terminology bulletin ; 165) *Bilingual (Communications aéronautiques)* ISBN 0-662-51449-1  
MICROLOG 90-04860 4 fiche



This English-French, French-English lexicon and the related phraseology were developed for bilingual air traffic control training. Indications are given for abbreviations for a main term, synonym for a main term, and different concept for a same main term.  
CA SC TR

#### Aerosols and fission product transport

by W.J. Megaw. Ottawa : Atomic Energy Control Board, 1987. iv, 100 p. ill. Bibliogr. (Research report : INFO-0268)  
MICROLOG 90-07091 2 fiche

Survey of current knowledge of the possible role of aerosols in the consequences of in- and out-of-core LOCAs and of end fitting failures in CANDU reactors. An extensive literature search was conducted of research on the behaviour of aerosols in possible accidents in water moderated and cooled reactors and the results of the various studies compared.  
CA EN PS SC

#### Affirmative action at work : the case of the Canadian Auto Workers and General Motors of Canada

CAW-Canada. Toronto : Ontario Women's Directorate, 1990. iv, 39 p. Bibliogr.  
MICROLOG 90-04592 1 fiche

As part of the Change Agent Project, this study examines the emergence, negotiation, and present day functioning of the CAW-GM programme in order to see how one union and company experienced affirmative action in a real life context  
CI LA ON PR SA

#### Affirmative action implementation procedures

Winnipeg : Manitoba Finance, Human Resource Management, 1986. 13 p.  
MICROLOG 90-03418 1 fiche

Covers the affirmative action implementation procedures, and presents the policy statement, definitions, a new employee registration form, a performance appraisal addendum, and a list of diseases causing disability  
CI LA MS PA PR

#### Affirmative action plan

Winnipeg : Manitoba Municipal Affairs, 1989. i, 42 p.  
MICROLOG 90-01272 1 fiche

This document describes the Branch structure and services, and the status of affirmative action. It also lists the affirmative action objectives and targets, together with special measures for women, natives, the physically disabled, and visible minorities.  
LA MS PR SA

#### Affirmative action programs for cultural communities : milestone to an harmonious society

advice presented to the Minister of Cultural Communities and Immigration of Quebec ; adopted by the Conseil des communautés culturelles et de l'immigration. Montreal : The Conseil, 1988. 15 p. ISBN 0-550-19154-4  
MICROLOG 90-01075 1 fiche

This document describes the legal context, and presents considerations, recommendations, supplementary measures, and priorities.  
LA PR QU SA

#### Affordable housing : design and market analysis of affordable housing types in Ontario

prepared for Housing Supply Policy Branch, Ministry of Housing ; by Fless Gates McGowan Easton Architects and Clayton Research Associates. Toronto : The Branch, 1989. 32 p. : ill.  
MICROLOG 90-02525 1 fiche

This study examines the question of whether 'market' housing can be provided for households of moderate income as defined by the Province's Housing Policy Statement, and indicates the type of housing units and urban development standards required to implement the policy. The main focus of the study is on ownership housing although the provision of rental housing alternatives is considered as well.  
ON PR SA

#### Affordable housing for rural Alberta : a new approach

prepared by Dale B. Shudra, for Laeobn Developments Ltd. Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. ix, 75 p. Bibliogr. ISBN 0-88654-258-8  
MICROLOG 90-03538 1 fiche

This study examines a new approach to home construction in the rural market in Alberta. The owner-builder is responsible for a large portion of new home construction in rural areas. However, this type of construction is often affected by a number of problems which the involvement of a professional builder would mitigate. This study seeks to define a method by which the owner-builder can maintain control of the building process but can receive on-going professional support and services in any area of the building process.  
AL PR SA

#### After the door has been opened : mental health issues affecting immigrants and refugees in Canada

Ottawa : Canadian Task Force on Mental Health Issues Affecting Immigrants and Refugees, 1988. iv, 113 p. : ill. Bibliogr. ISBN 0-662-16394-X  
MICROLOG 90-01557 2 fiche

This document discusses the prevention of mental health problems; remedial measures, and the special needs of children and youth, women, seniors, and victims of Catastrophic stress. It includes recommendations.  
BS CA EX HE

#### Afton Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 39 p. fold maps. Bibliogr. (Geological data inventory folio : GDIF 458)  
MICROLOG 90-01086 1 fiche

Data inventory for Afton Township, giving a checklist of sources, metals and minerals reference list, mineral occurrences, exploratory work and drillhole summary by company or individual, data obtained through airborne geophysical survey, and a geochemical survey, newspaper clippings, general index search, and selected references  
NR ON PR PS SC

#### Age and homicide in Canada : a multi-level analysis

by D.R. Forde, L.W. Kennedy and R.A. Silverman. Edmonton : University of Alberta, Centre for Criminological Research, 1990. 43 p. : ill. Bibliogr. (Discussion paper ; 22)  
ISSN 0824-5134  
MICROLOG 90-06447 1 fiche

Relying on insights from routine activities or lifestyle theories of criminal victimization, this paper uses multi-level regression analyses to examine the effects of the characteristics of victims, and context of social environments on the age distribution of victims of homicide.  
• CA JU

#### Agence canadienne de développement international : Rapport annuel 1988-89

Ottawa : l'Agence, 1990. 126, 122 p. : ill., cartes géogr. Bilingue. CSI 22199.001. ISSN 0839-2382 ISBN 0-662-57206-8  
MICROLOG 90-05145 3 fiche

L'Agence a pour objectif d'alléger la pauvreté surtout chez les plus démunis du Tiers-Monde, en concentrant son assistance sur les secteurs où les besoins sont les plus pressants : l'agriculture et la production alimentaire (y compris le développement rural, les pêches et la sylviculture), l'énergie et le développement des ressources humaines. Ce rapport annuel pour l'année financière terminée le 31 mars 1989 fait le bilan des réalisations de l'ACDI en examinant chacun des programmes disponibles : les programmes géographiques (Afrique anglophone et francophone, Amériques, Asie), les programmes multilatéraux, l'aide alimentaire, les programmes spéciaux et le programme de la coopération avec le monde des affaires. Le rapport est complété par une série de tableaux statistiques  
CA CO EX ST

#### Agence de foresterie du parc Algonquin (Ont.) : Rapport annuel 1988-89

Toronto : l'Agence, 1989. 14, 14 p. : ill. Bilingue. CSI 56101.001.  
MICROLOG 90-03360 1 fiche

Ce document présente le rapport annuel de l'Agence de foresterie du parc Algonquin pour l'année financière. On y donne des renseignements sur le conseil d'administration, les résultats d'exploitation, la répartition des produits, la gestion forestière, l'organigramme, le personnel, les prévisions 1989-90, ainsi que les états financiers (bilan, état des résultats d'exploitation et recettes non réparties, état de l'évolution de la situation financière, activités de gestion forestière et notes afférentes aux états financiers).  
FO ON PR SC

#### Agence québécoise de valorisation industrielle de la recherche : Rapport annuel 1988-89

Québec : l'Agence, 1989. 24 p. CSI 67297.001  
MICROLOG 90-04383 1 fiche

L'Agence québécoise de valorisation industrielle de la recherche est une corporation du Gouvernement du Québec qui a pour objet de promouvoir l'innovation technologique et de contribuer à la mise en valeur des résultats de la recherche dans des applications industrielles ou commerciales susceptibles d'avoir des retombées économiques au Québec. Elle favorise, à ces fins, la concertation entre les milieux de la recherche et les milieux industriels. Ce rapport annuel pour l'année 1988-1989 contient les faits saillants, le bilan des opérations, les perspectives d'avenir, les conventions d'aide signées, ainsi que les états financiers.  
CO PR PS QU SC

#### An Agenda for action : report

Alberta. Advisory Committee on the Utilization of Medical Services. Edmonton : The Province, 1989. v, 141 p. : ill. Bibliogr.  
MICROLOG 90-02281 2 fiche

The use of physician and diagnostic services in Alberta is on the rise. This report deals with the specific issues on which the Minister of Hospitals and Medical Care requested advice. It also examines the long-term issues, discussed in the broader context of barriers to cost-effective care.  
AL HE PR

#### Aggregate resource inventory of the Rural Municipality of Louise

by R.V. Young. Winnipeg : Manitoba Energy and Mines, Mines Branch, 1989. iv, 12 p.



map. Bibliogr. (Aggregate report : AR89-1)  
*Fold map not filmed*  
 MICROLOG 90-02341 1 fiche

An aggregate resource inventory was carried out in the rural municipality of Louise, located 25 km southwest of Winnipeg, to determine the location and reserves of aggregate resources. Geological field investigations were conducted in the summer of 1987. Aerial photos at scales of 1:50,000 and 1:15,840 were used to identify potential aggregate deposits. Samples were sieved to determine grain size and pebble lithologies. Aggregate deposits were divided into aggregate resources and potential aggregate environments  
 MS NR PR PS SC

#### Aggregate resources inventory of northwest of Fort Frances, northern Ontario

by staff of the Engineering and Terrain Geology Section, Ontario Geological Survey, Toronto : Ministry of Northern Development and Mines, 1990. vi, 61 p. : ill., maps. Bibliogr. (Ontario Geological Survey aggregate resources inventory paper : 150)  
*Fold map not filmed.* ISSN 0708-2061  
 ISBN 0-7729-6438-6  
 MICROLOG 90-06621 1 fiche

Inventory and evaluation of aggregate resources in a remote area of northern Ontario, northwest of Fort Frances. The investigation was designed specifically to identify potential sources of road-building aggregate for the planning and future development of forest access roads. A detailed field investigation undertaken in the summer of 1988 and previous studies in the area provide the framework for the study.  
 NR ON PR PS SC

#### Aggregate resources inventory of the Parry Sound to French River area, northern Ontario

Ontario Geological Survey Engineering and Terrain Geology Section, Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. vi, 123 p. : ill., maps. Bibliogr. (Ontario Geological Survey aggregate resources inventory paper : 146)  
*Fold maps not filmed.* ISSN 0708-2061  
 ISBN 0-7729-4096-7  
 MICROLOG 90-01873 2 fiche

This report includes an inventory and evaluation of sand and gravel resources as well as a discussion of bedrock aggregate potential in the Parry Sound to French River areas in northern Ontario. The report is based on previous studies in the area and a detailed field assessment undertaken in the summer of 1987  
 NR ON PR PS SC

#### Aggregate resources inventory of the towns of Bracebridge and Gravenhurst, southern Ontario

by staff of the Engineering and Terrain Geology Section, Ontario Geological Survey, Ministry of Northern Development and Mines, Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1990. vi, 69 p. : ill., maps. Bibliogr. (Ontario Geological Survey aggregate resources inventory paper : 147) *Fold maps not filmed* ISSN 0708-2061 ISBN 0-7729-6434-3  
 MICROLOG 90-04847 1 fiche

Inventory and evaluation of sand and gravel resources as well as a discussion of bedrock aggregate potential for the towns of Bracebridge and Gravenhurst within the District Municipality of Muskoka. The report is based on previous studies in the area and a detailed field assessment undertaken in the summer of 1988  
 NR ON PR SC

#### Aggregate truck load, shift experiment

by J.R. Billing. Toronto : Ministry of Transportation, Transportation Technology and Energy Branch, 1990. v, 29 p. : ill.  
 MICROLOG 90-04047 1 fiche

Aggregate carriers expressed concern over the difficulty in loading their trucks close to the allowable gross weight while not exceeding the allowable axle weights. One reason suggested for this was that the load may be susceptible to shift during transportation. A limited experiment was designed to examine the tendency for truck loads of aggregate to shift during transportation between the quarry and a Ministry truck inspection station. Two loads of each of the 2 aggregates judged most likely to shift by aggregate producers and carriers were used. The load profile inside the trailer box was measured, and axles were weighed at the quarry, on arrival at the truck inspection station, and after an abrupt stop. The entire process was recorded on video tape.  
 NR ON PR SC TR

#### Aging and malfunction of valves in CANDU special safety systems, phase 1

prepared by Numet Engineering Ltd. and Spectrum Engineering Corp. Ltd. Ottawa : Atomic Energy Control Board, 1989. vii, 207 p. : ill. Bibliogr. (Report : INFO-0303)  
 MICROLOG 90-00458 3 fiche

The most common type of failure in CANDU nuclear power plants (NPP) involves valve malfunctions. Valve problems have similarly been a major source of operational difficulties in pressurized nuclear systems in the US. The report identifies operational and environmental stressors causing time-dependent degradation of specified valves and failure modes and causes resulting from aging and service wear of the valves; assesses the effectiveness of current inspection, testing, condition monitoring and maintenance methods/practices for their capability to detect and mitigate aging degradation before a valve failure occurs; identifies practical and cost-effective precursor indicators of potential failure modes; provides guidance for selection of practical and cost-effective inspection, testing, condition monitoring, and maintenance methods capable of revealing degradation trends prior to valve failures; and recommends additional studies or tests.  
 CA EN PS SC

#### Aging together : an exploration of attitudes toward aging in multicultural Ontario

Ontario Advisory Council on Senior Citizens. Toronto : The Council, 1989. xv, 140 p. Bibliogr. *French ed. (Vieillesse ensemble...)* on the same fiche. ISBN 0-7729-9777-5  
 MICROLOG 90-00235 4 fiche

The attitudes presented in this report are categorized under the following issues: immigration, communications, access to services, housing and long-term care, health and economic issues, family and friends, and community support, including attitudes toward self-determination and achievements. It includes recommendations in the discussion of each issue.  
 ON PR SA

#### Agreement between Board of Management and the Association of New Brunswick Professional Educators : group, education (non-instructional)

Fredericton : The Board ; The Association, 1990. 29, 28 p. *Bilingual (Convention entre le Conseil...)*  
 MICROLOG 90-04102 1 fiche

Covers the terms and conditions, set forth by the parties, of employment relating to pay, hours of work, and other related terms and conditions of employment affecting employees covered by the Agreement.  
 AP ED LA PR

#### Agreement between the government of Canada and the government of New Brunswick for minority-language education and second-language instruction, 1988-89 to 1992-93

Ottawa : Government of Canada ; Fredericton : The Province, 1989. 13 p. *French ed. (Entente entre le gouvernement...) on the same fiche.*  
 MICROLOG 90-04357 1 fiche

Contains the text of the Agreement in the English and French languages.  
 AP CU ED PR

#### Agreement between the New Brunswick Electric Power Commission and Local 1733 of the International Brotherhood of Electrical Workers, A.F. of L., C.I.O., C.F. of L., Operational Non-Supervisory Group, January 1, 1990-December 31, 1991

Fredericton : The Commission ; The Brotherhood, 1990. 52 p.  
 MICROLOG 90-03757 1 fiche

This document contains the text of the Agreement. It also provides appendices which contain information on the Wage Schedule, and the Supplemental Unemployment Benefits Plan.  
 AP LA PR PW

#### Agreement on Social Security : summary : Canada and Iceland

Ottawa : Health and Welfare Canada, Income Security Programs Branch, 1989. 12 p. *French ed. (Accord de sécurité...l'Islande) on the same fiche.*  
 MICROLOG 90-03251 1 fiche

This summary describes in general terms how the Agreement may help individuals qualify for Canadian or Icelandic benefits. It is intended for persons residing in Canada.  
 CA EX

#### Agri-food : a look ahead : proceedings

Agricultural Outlook Conference (1988 : Toronto, Ont.). Toronto : Ministry of Agriculture and Food, 1988. 64 p. : ill.  
 MICROLOG 90-00856 1 fiche

Proceedings of the conference, summarizing the comments of guest speakers and their responses to questions from the audience. It also contains the Ministry's background paper 'Agri-food outlook and policy review'. The focus of the conference was on specific issues, trends, opportunities and problems that will shape Ontario's agriculture and food sector over the next century.  
 AG ON PR SC

#### Agricultural Credit Corporation of Saskatchewan : Annual report 1988-89

Regina : The Corporation, 1989. 16 p. *CSF 72100.001.*  
 MICROLOG 90-03455 1 fiche

This annual report includes an organizational chart, a list of corporation offices, a review of program activities, and an auditors' report.  
 AG CO MS PR SC

#### Agricultural Development Corporation of Saskatchewan : Annual report 1989

Regina : The Corporation, 1990. 15 p. : ill. *CSF 72174.001*  
 MICROLOG 90-04696 1 fiche



Annual report of the Corporation, giving an overview of the year's activities, with detail on their international, trade and corporate divisions. A financial statement is included.  
AG CO MS PR SC

#### Agricultural Research Institute of Ontario : Annual report 1988-89

Toronto : The Institute, 1989. vi, 76 p. : ill. CSI 56222 001  
MICROLOG 90-01646 1 fiche

Annual report of the Institute, giving a summary of its establishment, an inventory of research projects by institution, and a bibliography listing all publications resulting from research completed during the fiscal year. Financial data is included  
AG ON PR SC

#### Agricultural software directory, 1990

Edmonton : Alberta Agriculture, Farm Business Management Branch, 1990. 64 p. CSI 35150 005  
MICROLOG 90-05837 1 fiche

Listing of agricultural software available from software manufacturers in Alberta, and across Canada and the U.S. The software is listed by category, manufacturer, and location. Categories include financial record keeping, physical record keeping, nutrition/ratification/fertilizer analysis, decision aids, communications, marketing, agro-electronics, land management and education.  
AG AL PR PS SC

#### Agricultural soil conservation : federal policy -- Rev.

by S. Dakers. Ottawa : Library of Parliament, Research Branch, 1989. 12 p. Bibliogr. (Current issue review . 87-8E) French ed (La Conservation des sols...) on the same fiche. ISBN 0-660-13538-8  
MICROLOG 90-05634 1 fiche

Overview of the policy issues relating to soil conservation. The document includes a background to the issue and the federal conservation projects undertaken; the recent growth of public awareness; and federal government actions and legislation.  
AG CA CI SC

#### Agricultural statistics fact sheet, 1989

Edmonton : Alberta Agriculture, Statistics Branch, 1989. 4 p. CSI 34101 021.  
MICROLOG 90-07242 1 fiche

Data on population and land area, farm capital values, farm operating expenses and depreciation, income of farm operators, estimated farm cash receipts, field crops production and estimated value of principal crops, honey production, livestock numbers on farms and slaughtering, livestock prices, estimates of out-of-province shipments, and export estimates. Some comparison to previous year is included.  
AG AL PR ST

#### Agricultural statistics for Ontario, 1988

Ontario. Ministry of Agriculture and Food. Statistical Services Unit. Toronto : The Unit, 1989. xi, 98 p. : ill. CSI 55101 002  
MICROLOG 90-00287 2 fiche

Data on the state of Ontario agriculture for 1988, including also weather conditions, and corn heat unit accumulation and rainfall for 1987 and 1988. The report includes financial data and population, selected census data, international trade; the food industry; field crops, fruit, vegetables, and specialty crops; livestock and poultry; and dairy. For each sector, information is given on production,

value, volume of sales, and per capita consumption.  
AG ON PR SC ST

#### Agricultural statistics for Ontario, 1989

Ontario. Ministry of Agriculture and Food. Statistical Services Unit. Toronto : The Unit, 1990. xi, 98 p. : ill. CSI 55101 002 ISSN 0568-2894  
MICROLOG 90-06952 2 fiche

Annual compilation of data covering financial details and population; food industry; selected census data, international trade, field crops, fruit, vegetables, and specialty crops, livestock and poultry, and dairy. Data are derived from telephone, mail-in and enumerative surveys of farmers for agricultural production, the 5-year census of agriculture, particularly those areas dealing with livestock inventory and crop area estimates; and administrative data, consisting of complete or nearly complete counts of imports, exports, and marketings of inspected or controlled commodities. Most data compares the current and previous years, but some historical information is given. Data is given for the province and Canada, and international trade data includes the United States, the United Kingdom, the European Economic Community, Latin America, and Japan.  
AG ON PR SC ST

#### Agricultural statistics, 1988

Regina : Saskatchewan Agriculture and Food, Economics Statistics, 1989. xx, 148 p. CSI 71113 002. ISSN 0702-7389  
MICROLOG 90-06781 2 fiche

Annual handbook containing data on farm finance, crops, livestock and poultry, area under irrigation, and climate. Data is given for both the current year and the past 20 years, as well as for earlier dates.  
AG MS PR SC ST

#### Agricultural statistics, 1989

prepared and published jointly by Statistics Canada, Maritime Office and N.B. Dept. of Agriculture, Planning and Development Division. Truro, N.S. : The Office ; Fredericton : The Division, 1989. 40 p. : ill. Bilingual (Statistiques agricoles, 1989). CSI 45101 002.  
MICROLOG 90-03599 1 fiche

Data on farm income and prices, livestock, dairy, poultry, field crops, fruits and vegetables, greenhouse operations, beekeeping, maple products, fur industry, fertilizer and limestone sales, and freight assisted shipments by type of grain. Most data is for current year and two previous years and is compiled from Statistics Canada sources.  
AG AP CA PR SC ST

#### Agricultural trade : domestic pressures and international tensions

edited by Grace Skogstad and Andrew Fenton Cooper. Halifax : Institute for Research on Public Policy, 1990. xv, 180 p. Bibliogr. ISBN 0-88645-108-6  
MICROLOG 90-05930 3 fiche

Following an analysis of international negotiations, this document examines the domestic political context which shapes the formulations of agricultural policy. The contributors to this volume analyze the roots of agricultural policies and probe the sources of domestic conflicts and international tensions.  
● AG CA CO EX

#### L'Agriculture canadienne des Prairies, 1960-2000

par L. Auer. Ottawa : Conseil économique du Canada, 1989. vii, 120 p. : ill. Bibliogr. L'éd anglaise (Canadian prairie farming.) 90-01709/2. ISBN 0-660-92655-5  
MICROLOG 90-01708 2 fiche

Document présentant une étude réalisée dans le cadre du projet du Conseil économique sur l'avenir de l'économie céréalière des Prairies. Elle vise à décrire l'ampleur de la crise financière que traverse le secteur agricole des Prairies, à définir les causes sous-jacentes, à établir une distinction entre les phénomènes à court et à long terme, à examiner l'efficacité des principaux programmes d'aide à l'agriculture dans les Prairies et à analyser différentes voies de solutions possibles au niveau des politiques, notamment les programmes de soutien délié au revenu agricole  
AG AL CO MS PR

#### L'Agriculture dans les années 90 : une perspective de la Saskatchewan

Regina : Ministère de l'agriculture et de l'alimentation, 1989. 6 p. MICROLOG 90-04765 1 fiche

La compétition qui caractérise l'ensemble des marchés est actuellement la principale préoccupation des producteurs agricoles canadiens. Une multitude de facteurs empêche les producteurs de faire face à la compétition, et il est essentiel pour les gouvernements - provinciaux et fédéral - de joindre leurs efforts afin d'assurer à l'avenir de l'agriculture canadienne, le maintien de sa prospérité. Ce document se penche sur la question et en couvre les points saillants.  
AG MS PR SC

#### Agriculture Development Fund (Sask.) : Progress report 1988-89

Regina : The Fund, 1989. 106 p. CSI 72228 002  
MICROLOG 90-03901 2 fiche

Annual progress report of the Fund, established in 1985 to support agricultural research, development and demonstration projects. The report provides a brief summary of all agricultural research, development and demonstration activities funded in Saskatchewan in the 18 months from April 1, 1988 to September 30, 1989. Project information is given under the categories of livestock, engineering, irrigation, economics, crops and forages, extension, processing, new product development, marketing, and soils. Funding agency, project length, and amount of funding are given for each project.  
AG MS PR SC

#### L'Agriculture face à la pollution des eaux du bassin de la St-François par les éléments azote, phosphore et potassium

par F. Carner et J.-L. Dionne. Lennoxville, Québec : Agriculture Canada, Direction générale de la recherche, Station de recherches, 1981. vi, 90 p. : ill., cartes géogr. Bibliogr. (Bulletin . 3)  
MICROLOG 90-05311 2 fiche

Le but de cette étude est d'évaluer la qualité de l'eau des différents cours d'eau et d'apporter quelques précisions sur l'implication de l'agriculture à l'apport de ces éléments au bassin St-François. De mai à novembre 1979, 69 sites ont été visités six fois chacun. En plus des échantillons d'eau, on a recueilli des échantillons de sol et de plantes chez quelques cultivateurs de la région agricole no. 5 afin de pouvoir établir un bilan. On a également échantillonné le fond des rivières de manière à suivre le cycle de ces éléments.  
● AG CA EV NR QU SC

#### Agriculture real estate values in Alberta, 1989

Edmonton : Alberta Agriculture, Economic Services Division, Production Economics Branch, 1990. vi, 54 p. : ill. CSI 34101 006  
MICROLOG 90-06348 1 fiche



This publication provides information on agricultural real estate values and transactions in rural Alberta for the year. Includes data on acreage transfers and transfer values by C.L.I. Class, along with sales by C.L.I. Class  
AG AL CO PR ST

### Agriculture statistics yearbook, 1988

Edmonton : Alberta Agriculture, 1989. iv, 102 p. : ill. *CSI 34101.002*  
MICROLOG 90-00519 2 fiche

Data from 1988 covering a review of the year, field crops, irrigation, precipitation, hail and crop insurance, summerfallow area, prices and production, livestock production and prices, horse industry, including horse meat exports and pregnant mare urine data; per capita consumption of meals in Canada, dairy industry, including production and value; poultry and eggs, apiculture, fur farming; food and beverage industry, agricultural exports, and census and comparative data from 1971-86. Data was derived from several sources, but mainly Statistics Canada and Alberta Agriculture.  
AG AL PR SC ST

### Agriculture statistics, vol. 23, and review of agriculture, 1988-89

Charlottetown : Dept. of Agriculture, 1990. 50 p. : ill. *CSI 61100.002*  
MICROLOG 90-05631 1 fiche

Annual handbook for 1988/9, presenting statistics on census, farm income prices, livestock, dairy, poultry and other livestock products, field, fruit and vegetable crops along with general statistics on feed freight assisted shipments by grain, fertilizer and limestone sales. Charts on crop conditions in the province  
AG AP CO PR SC ST

### Agroclimatic atlas of Alberta

by P. Dzikiowski and R.T. Heywood.  
Edmonton : Alberta Agriculture, Conservation and Development Branch, 1990. iii, 31 p. : ill., maps. Bibliogr.  
MICROLOG 90-02902 1 fiche

Atlas covering the climate in general, then specifically in Alberta. Alberta is divided into climate regions, farm climate, and microclimate, covering precipitation, temperature, heat units, frost free period, and the length of the growing season  
AG AL PR SC

### Aide fédérale et provinciale à l'enseignement postsecondaire au Canada : rapport au Parlement, 1988-89

Ottawa : Secrétariat d'Etat du Canada, 1990. ii, 119, ii, 115 p. : ill. *Bilingue (Federal and provincial support...)*. *CSI 21120.005*. ISBN 0-662-57340-4  
MICROLOG 90-05414 3 fiche

Ce document décrit d'abord le développement de l'aide gouvernementale à l'enseignement postsecondaire et traite de la collaboration fédérale-provinciale. Puis, il donne un aperçu du financement de l'enseignement postsecondaire, pour ensuite renseigner sur l'aide provinciale et territoriale. Finalement, il aborde les aspects de l'enseignement postsecondaire qui intéressent l'administration fédérale et décrit les formes que prend son aide. Inclut aussi des renseignements détaillés sur les définitions et la méthodologie employées, de même que des renseignements complémentaires sur l'enseignement postsecondaire au Canada de nos jours  
CA ED ST

### Aide financière provinciale aux municipalités, conseils et commissions, 1989

Toronto : Ministère des affaires municipales, 1989. 79, 71 p. : ill. *Bilingue (Provincial*

financial assistance...).

*CSI 55115.003* ISSN 0383-5855  
MICROLOG 90-03344 2 fiche

Ce document présente le guide de l'aide financière provinciale aux municipalités, conseils et commissions. Il présente les programmes provinciaux et décrit brièvement ces programmes en indiquant l'endroit où on peut recevoir plus de renseignements. Le document présente les données par ministère et donne également des sources de renseignements supplémentaires.  
CO MU ON PA PR

### Aide juridique du Nouveau-Brunswick : Rapport annuel 1987-88

Fredericton : Barreau du Nouveau-Brunswick, 1988. 26, 32 p. *Bilingue*. *CSI 46101.001*.  
MICROLOG 90-00279 1 fiche

Le présent rapport décrit l'administration du programme d'aide juridique du Nouveau-Brunswick, les activités des comités et des tableaux des avocats de service en matière criminelle et civile pour l'année. On trouve aussi une ventilation des frais administratifs, les états financiers, et une analyse statistique relative aux personnes aidées.  
AP JU PR ST

### Aide juridique du Nouveau-Brunswick : Rapport annuel 1988-89

Fredericton : Barreau du Nouveau-Brunswick, 1989. 25, 31 p. *Bilingue*. *CSI 46101.001*.  
MICROLOG 90-05874 1 fiche

Le présent rapport décrit l'administration du programme d'aide juridique du Nouveau-Brunswick, les activités des comités et des tableaux des avocats de service en matière criminelle et civile pour l'année. On trouve aussi une ventilation des frais administratifs, les états financiers, et une analyse statistique relative aux personnes aidées.  
AP JU PR ST

### L'Aide sociale aux familles monoparentales

par M. Baker. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. 17 p. Bibliogr. (Etude générale ; BP-126F) *L'éd anglaise (Social support for...)* sur la même fiche. ISBN 0-660-92808-6  
MICROLOG 90-03023 1 fiche

Depuis quelques années, on se préoccupe sérieusement de l'augmentation du nombre des familles monoparentales et du fardeau qu'impose au contribuable l'aide à ces familles souvent démunies. Ce document examine la situation en se penchant particulièrement sur les points suivants : la pauvreté parmi les familles monoparentales, le nombre de familles monoparentales; les programmes sociaux destinés aux familles monoparentales; et les conclusions.  
CA SA

### AIDS : a summary of the occupational health concern -- 2d ed.

by R. Bertolini. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. i, 8 p. Bibliogr. ISBN 0-660-13328-8  
MICROLOG 90-03613 1 fiche

This publication provides general information on Acquired Immune Deficiency Syndrome (AIDS) in the workplace. The publication includes a definition of AIDS, how it affects the body, the causes, transmission, the frequency of infection, development period, symptoms, treatment, and whether it should be treated as an occupational concern.

• CA CI HE LA SA

### AIDS : no greater challenge : solving the mysteries

by D. Spurgeon. Ottawa : Medical Research Council of Canada, 1990. 63 p. : ill.  
MICROLOG 90-05541 1 fiche

Booklet explaining some of the more important research projects being carried out now. Projects include the use of viral genes, AIDS and hemophilia, the use of AZT-loaded liposomes to bomb HIV-infected cells, the examination of molecular architecture, blocking of HIV cell attachment, the use of insect cells to produce antigens, the establishment of an AIDS program in Africa, and transplanting HIV immunity into AIDS patients.  
CA CI HE LS SA SC

### AIDS in Canada : knowledge, behaviour and attitudes of adults

by M. Ornstein. Toronto : York University, Institute for Social Research, 1989. vii, 113 p. : ill. Bibliogr. *Bilingual summary (9 p.) laid in*. ISBN 0-9694285-0-2  
MICROLOG 90-01236 2 fiche

Between September and November 1988, 1259 Canadians were interviewed in a telephone survey designed to measure their knowledge about AIDS, the extent of behaviour involving risk of infection by the human immunodeficiency virus, and their views on major public policy issues raised by the epidemic. The survey respondents were a representative sample of Canadians eighteen years of age and over, excluding people living in the Territories. This document contains a summary of the survey results  
CA CI HE

### AIDS precautions for hospitals

see Recommendations for prevention of HIV transmission in health-care settings in the province of British Columbia

### Air quality in British Columbia, 1983-87

Victoria : Ministry of Environment, 1989. 24 p. : ill. Bibliogr. ISBN 0-7718-8904-6  
MICROLOG 90-07344 1 fiche

This report examines ambient air quality from 1983-87 and provides an update of a previous 1986 report, which described, in more detail, trends for 1976-82. The parameters examined in the report include nitrogen dioxide, carbon monoxide, total reduced sulphur expressed as hydrogen sulphide, sulphur dioxide, ozone, total suspended particulates, and dustfall.  
BC EV PR SC

### Air quality in Ontario, 1988

Ottawa : Environment Ontario, 1990. 16 p. : ill., maps. *Appendix (100 p.) laid in*. *CSI 55123.015*. ISSN 0840-9366  
MICROLOG 90-06143 2 fiche

This report describes the 1988 Ontario air quality monitoring program, including a summary of the measurements of gases and particulate matter during the year. A discussion of the characteristics, effects, Ontario criteria (if any), sources, method of monitoring, locations (and frequency) of sampling, summary of sampling results, and the 1-year trend are given. The location of stations and the sample distribution information, which includes means, maxima and the number of exceedances of the Ontario criteria are also included, along with a summary of the entire continuous (hourly) network which gives station name, numerical identifier, and an indication of the 'continuous' pollutants measured (suspended particulates, sulphur dioxide, carbon monoxide, ozone, nitrogen dioxide, nitric oxide, oxides of nitrogen, total hydrocarbons, reactive hydrocarbons, and total reduced sulphur).  
EV ON PR SC

### Air quality survey : suspended particulates, Town of Drayton Valley, September 5 to December 3, 1989

Alberta. Environmental Quality Monitoring Branch. Edmonton : Alberta Environment, Environmental Assessment Division,



Environmental Quality Monitoring Branch,  
1990. xi, 42 p. : ill., maps. Bibliogr.  
MICROLOG 90-05239 1 fiche

A suspended particulate monitoring program was conducted in the Town of Drayton Valley during the autumn of 1989 in response to concerns voiced by local residents regarding a noticeable amount of wood and ash particulate fallout. Suspended particulates were monitored by a network of 4 high volume samplers from September 5-December 3, 1989, and one dichotomous sampler from November 10-December 3, 1989. The dichotomous sampler was set up to monitor inhalable particulates in support of a coincident indoor air quality monitoring program. Suspended particulate data was analyzed for total suspended particulate loading, particle identification, and quantification of the primary constituents of particulate loading. The results were compared with wind direction frequencies so that source identification would be possible.  
AL EV PR SC

#### **Air transportation proposals for the Toronto Area Environmental Assessment Panel : briefs submitted to the Panel after public meetings in Toronto in March-April 1990**

Hull, Que. : Toronto Area Environmental Assessment Panel, 1990. 224 p. : ill. Bibliogr.  
MICROLOG 90-04857 3 fiche

Compendium of written comments received by the Panel after scoping meetings held in Toronto from March 23-April 2, 1990 on expansion of the Pearson International Airport. The comments included consist of those which highlighted issues to be included in the guidelines to be issued to Transport Canada for its use in preparing an Environmental Impact Statement.  
• CA EV MU ON SC TR

#### **Air-blast freezing of herring : studies of necessary freezing time**

by G. Lorentzen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 38 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5254) Originally published in Norwegian, by the Director of Fisheries, Norway. ISSN 0704-3716  
MICROLOG 90-02725 1 fiche

A major portion of the Norwegian production of frozen herring is brine-frozen in half-boxes, a method which increases rancidity and decreases the quality of the fish for food and bait. Air-blast freezing is increasingly substituted but takes a longer time and increases the cost. Up to the present, a satisfactory basis for a reliable calculation of the necessary freezing time has been lacking, although it is necessary to determine the correct size for a freezer plant. This paper presents the results of studies done from 1954-56 to establish freezing time by determining the most important variables, such as air temperature and velocity, which influence the freezing in 2 types of packaging. The study also included temperature equalization after the package had been removed from the freezer and placed in the storage area.  
• CA CF FI SC

#### **Air-conditioning glossary**

by F. Richard. Ottawa : Translation Bureau, Terminology and Linguistic Services Branch, 1990. xi, 91 p. Bibliogr. (Terminology bulletin ; 193) Bilingual (Lexique du conditionnement d'air). ISBN 0-660-55547-6  
MICROLOG 90-04465 2 fiche

The glossary contains terms relating to air handling, refrigeration, ventilation and air circulation and distribution. It also includes terms relating to compressors, evaporators, condensers, air conditioning systems, controllers

and refrigerants, as well as the terminology pertaining to the physical and chemical processes involved in air conditioning and the various devices and units of measure used in the field.  
CA PL

#### **Airborne respirable combustible dust mass determination : characterization of ashing properties of silver membrane and acrylic bound glass fiber filters**

by M. Grenier. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. iii, 13 p. Bibliogr. (Report ; MRL 90-18(TR))  
MICROLOG 90-06006 1 fiche

The determination of the combustible component of airborne respirable dust is an important issue. Ashing of airborne dust samples at a high temperature is one way of obtaining the respirable combustible dust (RCD) fraction. This report gives the results of preliminary laboratory testing of silver membrane and one type of glass fiber filter submitted to ashing tests. The results are used to help develop a sampling protocol for the determination of RCD concentration in mine air as well as RCD size distribution.  
• CA CM NR PS SC

#### **Airline deregulation in Canada**

by J. Christopher. Ottawa : Library of Parliament, Research Branch, 1989. 15 p. Bibliogr. (Current issue review ; 89-2E) French ed. (La Déréglementation du transport...) on the same fiche. ISBN 0-660-13323-7  
MICROLOG 90-01845 1 fiche

The domestic airline situation in Canada has evolved from one in which Air Canada (formerly Trans-Canada Airlines) had a monopoly in the domestic field to one in which the domestic airline industry - subject to certain restrictions on safety and foreign ownership - is completely deregulated. This paper gives a background and history of the process of deregulation, beginning in 1979. Committee hearings on the 1985 position paper are summarized, including such issues as air services in the north, the role of Air Canada, and foreign ownership. A summary of the 1986 National Transportation Act is given, along with its effect on the present situation. A chronology is included.  
CA CI CO SC TR

#### **An Airspace design system using a graphics workstation : the pilot project : final report**

by Lily Lam, Denis Leclerc ; for Transportation Development Centre, Policy and Coordination Group, Transport Canada. Montreal : Virtual Prototypes Inc., 1988. xvi, 44 p. : ill. Bibliogr.  
MICROLOG 90-05800 1 fiche

Aircraft operating under instrument flight rules fly on predetermined flight paths from take-off to landing. To ensure safe operation of aircraft in flight, these paths must be designed based on established criteria. A pilot project was begun to build a computer aided design system for the design of airways and instrument approach procedures. This report presents the results of the pilot implementation of the airspace design system (ADS) and suggests recommendations for future development of the system. The pilot system was restricted to a specific test region covering the southern parts of Ontario and Quebec. A design module for computing an instrument landing system instrument approach procedure was chosen as a test module for implementation. The major system components of ADS are the flight procedure design expert system, the man-machine interface, the graphics manager and the data manager.  
CA PS SC TR

#### **Airtightness and pressure monitoring**

by A. Colantonio. Ottawa : Public Works Canada, Architectural and Engineering Services, 1988. v, 40, v, 44 p. Bibliogr. (Building performance evaluation series ; Document D36) Bilingual (Contrôle de la pression...) MICROLOG 90-02179 2 fiche

Air leakage (infiltration and exfiltration) represents a substantial part of the heating and cooling load of most large buildings and can also be an important parameter of indoor-outdoor pollution relationships by allowing untreated air to penetrate the building. Heat loss associated with envelope air leakage of typical office buildings can be as much as 40% of the total heat load in most Canadian climates. This document outlines the methods employed to determine airtightness characteristics and infiltration rates at different pressure differentials. The first method used is that of calibrated fans to either pressurize or depressurize a building to determine the airtightness characteristics at various pressure differentials. In the case of a very large building, the tracer gas decay rate method is used to determine infiltration rates at various mechanical system operating settings and resulting pressure differences.  
CA PL SC

#### **Albedo survey on Andrei Glacier, Iskut River Basin, B.C., midsummer, 1980**

by S. Fogarasi. Saskatoon, Sask. : Inland Waters Directorate, National Hydrology Research Institute, 1981. v, 13 p. : ill. Bibliogr. (NHRI paper ; no. 15)  
MICROLOG 90-05386 1 fiche

Andrei Glacier is located in the Boundary Range of the Coast Mountains in B.C. This report gives the results of measurements taken at 9 sites on ice surfaces which were contaminated to varying degrees by aeolian dirt, classified as white, whitish, dirty and very dirty. Albedo values were tabulated and plotted along a grid of 500m mesh. Suggestions are also given on how to model hourly ice surface albedo distribution over the glacier.  
BC CA NR PS SC

#### **Albert Mines oil shale deposit drill core resampling and calcium analysis**

by Three-D GeoConsultants Limited, for Canadian Occidental Petroleum Ltd., Alternate Fuels Division. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1990. 36 p. : maps. (Open file report ; 90-5) Fold maps not filmed. ISSN 0712-4562  
MICROLOG 90-06087 1 fiche

All analytical and associated geological and development work at the Albert Mines oil shale deposit concentrated, until recently, on its hydrocarbon content. Recent interest in coal-oil shale circulating fluidized bed combustion necessitated additional evaluation of the deposit's inorganic geochemistry and in particular, the distribution of calcium in the deposit. Until now, however, a deficient inorganic geochemical data base for the deposit made that evaluation difficult. Four of the core holes drilled in 1976 and previously only analyzed for shale oil yield were resampled. A total of 686 drill core samples were analyzed for the calcium content of the carbonate minerals present. The resampling program duplicated the 1976 sampling to permit direct comparison of calcium content and shale oil yields on a sample by sample basis.  
AP EN PR SC

#### **Alberta. Advisory Committee on Wilderness Areas and Ecological Reserves : Annual report 1988-89**

Edmonton : The Committee, 1989. 15 p. : ill., maps.  
MICROLOG 90-05523 1 fiche



The Committee represents the interests of the general public as they pertain to wilderness areas and ecological reserves and advises the Minister of Recreation and Parks on matters relevant to those interests. This annual report contains a synopsis of the Ecological Reserves Program and a summary of the Committee's meetings and activities. It also includes the Committee's recommendations.  
AL EV PR ST

**Alberta. Advisory Council on Women's Issues : Annual report 1989-90**

Edmonton : The Council, 1990. 12 p.  
CSI 35217.001. ISSN 0842-4039  
MICROLOG 90-06339 1 fiche

The Council has a mandate to study matters relating to the opportunity for full and equal participation of Alberta women in the life of the province. The annual report lists the members of the Council, recommendations dealing with abortion and midwifery, Council activities, and a financial statement.  
AL PR SA

**Alberta. Alberta Advanced Education : Annual report 1988-89**

Edmonton : The Ministry, 1989. 59 p.  
CSI 34100.001  
MICROLOG 90-04444 1 fiche

The annual report contains an overview of the department's administrative and support activities. It also reviews activities at individual institutions such as the provincial and community vocational centres and independents such as private colleges, hospital-based schools of nursing and community consortia. Lists of board, advisory council, and advisory committee members, and a list of publications, conclude the document.  
AL ED PR

**Alberta. Alberta Agriculture : Annual report 1988-89**

Edmonton : The Ministry, 1989. xi, 92 p. : ill.  
CSI 34101.001.  
MICROLOG 90-06068 2 fiche

Annual report for 1987-88, presenting highlights of the year and more detailed information on economic services, irrigation and resource management, systems development, plant and animal industry, animal health, central program support, rural and information services, and marketing with an overview by region, as well as the various Boards and Commissions reporting to the Department of Agriculture. A financial statement and organizational chart are also included.  
AG AL PR SC

**Alberta. Alberta Attorney General : Annual report 1988-89**

Edmonton : The Ministry, 1989. 23 p. : ill.  
CSI 34102.001 ISSN 0702-9756  
MICROLOG 90-04461 1 fiche

This annual report outlines the major activities and accomplishments of the Attorney General. It includes a statement of revenue and expenditures.  
AL JU PR ST

**Alberta. Alberta Career Development and Employment : Annual report 1988-89**

Edmonton : The Ministry, 1989. xiii, 49 p.  
CSI 34111.001.  
MICROLOG 90-04181 1 fiche

This annual report outlines the major activities and accomplishments of the Ministry. It includes a statistical appendix.  
AL LA PR

**Alberta. Alberta Community and Occupational Health : Annual report 1987-88**

Edmonton : The Ministry, 1988. 35 p. : ill.  
CSI 36018.001  
MICROLOG 90-06063 1 fiche

The Department is responsible for maintaining and improving the health and safety of Albertans. This annual report reviews the Department's second year of operation. Reports are presented for each of the Department's seven divisions that deal with public health, mental health, family and community support, occupational health and safety, human resources, management support services and program support services. Contains 1987-88 financial information and legislation administered by the Dept.  
AL HE PR ST

**Alberta. Alberta Consumer and Corporate Affairs : Annual report 1988-89**

Edmonton : The Ministry, 1989. 33 p.  
CSI 34103.001  
MICROLOG 90-06340 1 fiche

The annual report briefly highlights major administrative activities of each of its agencies including the real estate program, co-operative activities, consumer credit program, licensing program, standards development, corporate registry, professional and occupational registration program and insurance standards. Acts administered by the Ministry conclude the report.  
AL CO PR ST

**Alberta. Alberta Culture and Multiculturalism : Annual report 1987-88**

Edmonton : The Ministry, 1988. 68 p. : ill.  
CSI 34104.001  
MICROLOG 90-00679 1 fiche

This annual report lists Alberta achievement awards, and highlights the activities of communications, the Cultural Development Division, the Cultural Heritage Division, Finance and Administration, and the Historical Resources Division. It includes a statistical index.  
AL CU PR ST

**Alberta. Alberta Culture and Multiculturalism : Annual report 1988-89**

Edmonton : The Ministry, 1989. 43 p. : ill.  
CSI 34104.001  
MICROLOG 90-06345 1 fiche

This document consists of reports from the Ministry's three divisions: cultural development, cultural heritage, and historical resources. Reports on finance and administration are also furnished, along with information on the Alberta Achievement Awards, communications, and a statistical index.  
AL CU PR ST

**Alberta. Alberta Education : Annual report 1988-89**

Edmonton : The Ministry, 1989. 80 p. : ill.  
CSI 34106.001  
MICROLOG 90-06337 1 fiche

The annual report compiles annual reviews of administrative activities as submitted by each division: student programs and evaluation; program delivery; finance and administration. Included are Director's reports from the Planning and Policy Secretariat and the Communications Branch.  
AL ED PA PR ST

**Alberta. Alberta Energy : Annual report 1988-89**

Edmonton : The Ministry, 1990. 37 p. : ill.  
CSI 34124.002. ISSN 0832-6878 ISBN

0-86499-707-8  
MICROLOG 90-05389 1 fiche

Annual report of the Ministry, presenting an overview of the year's activities, and more detailed information on policy initiatives in oil and gas, royalties, the Syncrude Expansion Project Study, and natural gas deregulation initiatives. Also included is exploration and development of mineral resources, activity in research and technology development, measures in energy conservation, and revenues, financial statements and an organization chart.  
AL EN NR PR SC ST

**Alberta. Alberta Environment : Annual report 1987-88**

Edmonton : The Ministry, 1988. 80 p. : ill.  
CSI 34108.001. ISSN 0383-3789  
MICROLOG 90-03892 1 fiche

Annual report, surveying activities in environmental protection, water resources management, pollution control, earth sciences and environmental assessment, as well as the Alberta Environmental Centre. A financial statement is also included.  
AL EV PR SC ST

**Alberta. Alberta Family and Social Services : Annual report 1988-89**

Edmonton : The Ministry, 1989. 60 p.  
CSI 34121.002.  
MICROLOG 90-07366 1 fiche

The mandate of the Ministry is to protect and promote the social and well-being of Albertans by developing and administering statutory and mandated social service programs which encourage and support individual and family independence and self-reliance. This annual report outlines the major activities and accomplishments of the Ministry. It also highlights regional operations, and includes financial statements.  
AL PR SA

**Alberta. Alberta Forestry, Lands and Wildlife : Annual report 1988-89**

Edmonton : The Ministry, 1990. 34 p. : ill.  
CSI 34126.005. ISSN 0832-6916 ISBN 0-86499-723-X  
MICROLOG 90-05739 1 fiche

Annual report of the Department, presenting information on forests, including protection, management, research, and programs; wildlife, including habitats, species management, education and training, and enforcement; and lands, including disposition, reclamation, reserves, management, foreign ownership, resource planning, and surveying and mapping. Financial statements conclude the document.  
AL EV FO PR SC ST

**Alberta. Alberta Health : Annual report 1988-89**

Edmonton : The Ministry, 1990. 52 p.  
CSI 34123.001.  
MICROLOG 90-06341 1 fiche

The annual report summarizes data on health care insurance, hospitalization benefits, nursing homes, mental health services, public health services, Vital Statistics Branch, Library and Inquiry Services Branch, Legislation, and financial information.  
AL HE PR

**Alberta. Alberta Municipal Affairs : Annual report 1988-89**

Edmonton : The Ministry, 1989. 66 p. : ill.  
CSI 34112.001  
MICROLOG 90-06052 1 fiche

This report reviews the activities and service caseloads for the Assessment Services Division, Finance and Administration Division, Housing Division, Improvement Districts and Native Services Division, Municipal Administrative

Services Division, Planning Services Division, Associated Boards and the Office of the Deputy Minister. An organizational chart and functional statements of the Department are included as well as a list of the Acts administered.  
AL MU PA PR ST

**Alberta. Alberta Public Works, Supply and Services : Annual report 1987-88**

Edmonton : The Ministry, 1989. 62 p. : ill.  
CSI 34122.001.  
MICROLOG 90-00732 1 fiche

Annual report of the Department, covering project management, finance and administration, information services, property management, accommodation services, and procurement. A list of consultants commissioned for capital development and contracts awarded is also included.  
AL PA PR PW

**Alberta. Alberta Recreation and Parks : Annual report 1988-89**

Edmonton : The Ministry, 1990. 27 p. : maps.  
CSI 34113.001. ISSN 0380-173X  
MICROLOG 90-06876 1 fiche

The annual report provides a broad overview of mandates, administrative activities, and project and client caseloads for each division and sub-branch of the Department as well as activities on a regional level. Reports from different divisions and branches include: recreation development; provincial parks service; corporate services; and communications. Includes financial statements, provincial parks map, and provincial and municipal recreation areas maps.  
AL CU PR ST

**Alberta. Alberta Solicitor General : Annual report 1987-88**

Edmonton : The Solicitor General, 1989. ii, 82 p. : ill. CSI 34115.001  
MICROLOG 90-00349 1 fiche

Contains reports from the following divisions: correctional services, law enforcement, motor vehicles, finance and administration, personnel, systems and information services, and corporate services. It also includes a report from the liquor licensing review council, and financial schedules.  
AL JU PA PR ST

**Alberta. Alberta Solicitor General : Annual report 1988-89**

Edmonton : The Ministry, 1989. 91 p. : ill.  
CSI 34115.001  
MICROLOG 90-05174 2 fiche

This document presents an annual report from the Department's Correctional Services, Law Enforcement, Motor Vehicle, Administration, and Corporate Services divisions, including information about branches and programs within these areas. Reports on the Liquor Licensing Review Council and Driver Control Board are followed by financial schedules.  
AL JU PR ST

**Alberta. Alberta Technology, Research and Telecommunications : Annual report 1987-88**

Edmonton : The Dept., 1988. 19 p.  
CSI 34125.001.  
MICROLOG 90-05182 1 fiche

Annual report of the Department, established in 1986 to encourage the development of advanced technology in the province. The report presents the goals and strategies of the Department, and an overview of activities in the Technology Commercialization Division, including electronics/microelectronics, medical and biological sciences, telecommunications, computing/software, technology transfer,

advanced materials and processes, and advanced manufacturing. Information is also given on financial projects, investments, and activities in corporate relations. A short financial statement is included.  
AL PR PS SC ST TE

**Alberta. Alberta Technology, Research and Telecommunications : Annual report 1988-89**

Edmonton : The Ministry, 1989. 21 p.  
CSI 34125.001.  
MICROLOG 90-06908 1 fiche

Annual report of the Department, established in 1986 to encourage the development of advanced technology in the province. The report presents the goals and strategies of the Department, and an overview of activities in the Technology Commercialization Division, the Planning and Co-ordination Division, the Investment Development Division, the Financial Projects and Administration Division, the Corporate and Public Relations Division, and the Human Resources Division. Information is also given on financial projects, investments, and activities in corporate relations. A short financial statement is included.  
AL PR PS SC TE

**Alberta. Alberta Tourism : Annual report 1988-89**

Edmonton : The Ministry, 1989. 31 p.  
CSI 34120.001  
MICROLOG 90-04734 1 fiche

The Dept.'s mission is to work with industry and communities to help citizens benefit economically from tourism. This paper reports on the year's activities in the marketing, development, and administration divisions. Provides a statement of expenditures.  
AL CO CU PR

**Alberta. Alberta Transportation and Utilities : Annual report 1988-89**

Edmonton : The Ministry, 1989. x, 82 p. : ill.  
CSI 34117.001. ISSN 0836-1509  
MICROLOG 90-07351 1 fiche

Annual report of the Department, presenting highlights of the year's activities, and reports on activities in engineering and operations, motor transport services, planning and development, support programs, public communications and the Alberta Motor Transport Board. An organizational chart, with short descriptions of senior positions, is included. The Department is responsible for operation and maintenance of transportation facilities and electrical and water services.  
AL PR SC ST TR

**Alberta. Alberta Treasury : Annual report 1988-89**

Edmonton : The Treasury, 1989. 44 p.  
CSI 34118.001.  
MICROLOG 90-03602 1 fiche

This annual report contains a review of the treasury, branch and division reports, the Alberta Treasury Branches, and the Alberta Government Pension Boards.  
AL CO PA PR

**Alberta. Chief Electoral Officer : Annual report 1989**

Edmonton : The Officer, 1989. 19 p.  
CSI 35145.001  
MICROLOG 90-00323 1 fiche

This annual report includes registration data, a list of candidates, and financial statements. In addition, it contains information on the 1989 general election, the 1989 settler by-election, the income tax credit for 1987, funds held in trust by the office of the chief electoral officer, public records, conferences, and the allegation of filing a false financial statement  
AL PA PR ST

**Alberta. Chief Electoral Officer : Annual report 1989-90**

Edmonton : The Officer, 1990. iii, 43 p.  
CSI 35145.001  
MICROLOG 90-06783 1 fiche

Presented in this annual report is registration data, information on candidates, and financial statements for political parties and constituency associations, the general election, with an overview, financial statements and appendices, the Settler by-election, the senatorial election and ends with general information and conclusions  
AL PA PR ST

**Alberta. Crimes Compensation Board : Annual report 1987-88**

Edmonton : The Board, 1988. 14 p.  
CSI 35146.001. ISBN 0-7732-0001-0  
MICROLOG 90-04168 1 fiche

The Board adjudicates hearings for victims of violent crimes to determine whether assistance should be provided for the victim's financial loss as a direct result of injuries. The annual report reviews applications, decisions, and refused awards for the year. Also gives case summaries for monthly, interim, final and supplemental awards, and for pain and suffering payment cases.  
AL JU PR SA ST

**Alberta. Crimes Compensation Board : Annual report 1988-89**

Edmonton : The Board, 1989. 14 p.  
CSI 35146.001. ISBN 0-7732-0001-0  
MICROLOG 90-06350 1 fiche

The Board adjudicates hearings for victims of violent crimes to determine whether assistance should be provided for the victim's financial loss as a direct result of injuries. The annual report reviews applications, decisions, and refused awards for the year. Also gives case summaries for monthly, interim, final and supplemental awards for pain and suffering payment cases, public awareness, funding, types of crimes and statistical summaries.  
AL JU PR SA ST

**Alberta. Dairy Processing Branch [and] Alberta. Dairy Production Branch : Annual report 1988-89**

Edmonton : Alberta Agriculture, 1989. 28 p.  
CSI 34101.010  
MICROLOG 90-00505 1 fiche

The responsibilities of the Dairy Production Branch include dairy farm inspection, milk quality assurance and support for or coordination of extension activities, advisory services and research pertaining to the dairy industry. This annual report covers dairy farm inspection, milking management, milk recording, resource services, and regional activities. The Dairy Processing Branch has responsibility for the dairy manufacturing plants, dairy products, licensing, margarine, and regulatory enforcement.  
AG AL PR SC ST

**Alberta. Farming for the Future : Progress report 1988-89**

Edmonton : Alberta Agriculture ; Heritage Savings Trust Fund, 1990. 35 p. : ill.  
CSI 35142.001.  
MICROLOG 90-05190 1 fiche

This annual report of the research program is presented by the Council, which conducts research and technology transfer in cooperation with agricultural producers, processors, researchers and extension personnel. The report describes the administration, research programs and on-farm demonstration programs, presents summaries of research and on-farm demonstration programs, and gives a summary schedule of grants. Historical data is also included on programs and funding from 1979-



80 to the present.  
AG AL PR SC ST

**Alberta. Fish and Wildlife Division :  
Annual review 1988-89**

Edmonton : The Division, 1990. i, 21 p.  
CSI 35151.003 ISSN 0825-0529  
MICROLOG 90-04462 1 fiche

The mission of the Fish and Wildlife Division is to manage the fish and wildlife resources of the province. The annual report covers each area of the Division including fisheries, wildlife, habitat and enforcement activities.  
AL EV FI PR SC

**Alberta. Human Rights Commission :  
Annual report 1987-88**

Edmonton : The Commission, 1988. 24 p. : ill.  
CSI 35153.001 ISSN 0380-4518  
MICROLOG 90-04446 1 fiche

The Commission protects Albertans against acts of discrimination in employment, tenancy, public services and accommodation, and signs and notices published or displayed before the public on the basis of race, colour, sex, religious beliefs, physical disability, ancestry or place of origin. Annual report reviews Board's general duties, complaint procedures and statistical summary of complaints caseload.  
AL JU PR ST

**Alberta. Legislative Assembly Office :  
Annual report 1989**

Edmonton : The Office, 1990. 28 p. : ill.  
CSI 33102.001  
MICROLOG 90-05514 1 fiche

The annual report provides general historical information about the Legislative Assembly Office and reviews the following services: the House and committees, information and research, legal, ceremonial and security, reporting, administrative, personnel, information systems, special events, interparliamentary relations, and participation in national and international organizations. The document also presents a summary of budget estimates by account for 1988-89 to 1989-90.  
AL PA PR ST

**Alberta. Local Authorities Board :  
Annual report 1987-88**

Edmonton : Alberta Treasury, 1989. 8 p.  
CSI 35156.001  
MICROLOG 90-00327 1 fiche

This annual report includes a plan overview, a review of operations, and information on actuarial liabilities, participation, book entry transfers, reciprocal agreements, reciprocal transfers, contributions, refunds, death in service benefits, information and counselling services, and pension benefits.  
AL CO MU PA PR ST

**Alberta. Local Authorities Board :  
Annual report 1989**

Edmonton : The Board, 1990. 10 p.  
CSI 35127.001  
MICROLOG 90-02938 1 fiche

This annual report, the twenty-ninth of the board, reviews activities during 1989. These activities include 25 hearings which consisted mostly of annexation and tax exemption applications. Applications dealt with can be termed financial or territorial and cover: debentures, New Town estimates; use of surplus funds, amendments; annexation; separation of land; tax exemptions, and irrigation. The board's responsibilities and services are also described briefly.  
AL MU PR ST

**Alberta. Local Authorities Pension  
Plan Board : Annual report 1988**

Edmonton : The Board, 1989. 29 p. : ill.  
CSI 35156.002  
MICROLOG 90-02915 1 fiche

This annual report contains a summary of appeals and applications for 1988, and case summaries. It also includes advice to the Minister on cost of living adjustments, and the actuarial valuation.  
AL CO PR

**Alberta. Multicultural Commission :  
Annual report 1988-89**

Edmonton : The Commission, 1989. 15 p.  
CSI 35106.001  
MICROLOG 90-07369 1 fiche

The Commission provides financial assistance to persons, groups and organizations undertaking projects which relate to the following objectives: to encourage respect for the cultural heritage of Alberta; to promote appreciation of other ethno-cultural groups; and to foster an environment in which volunteer groups and individuals can contribute to the enhancement of the cultural heritage of Alberta. This annual report contains the chairman's and executive director's reports, information on the Alberta People Kit, and a list of grants awarded during the year.  
AL CU PR

**Alberta. Occupational Health and  
Safety Division : Annual report 1987**

Edmonton : The Division, 1987. 15 p. : ill.  
CSI 36016.001  
MICROLOG 90-00317 1 fiche

This annual report includes information on the organization of the Council and lists its members. It also presents the year in review, appeal activities, awards, and prospects for the year ahead.  
AL HE LA PR

**Alberta. Office of the Coal Research  
and Technology : Annual review, 1988-89**

Edmonton : Alberta Energy, Scientific and Engineering Services and Research Division, 1989. 60 p. : ill.  
CSI 35196.001 ISSN 0831-4292 ISBN 0-86499-633-0  
MICROLOG 90-04917 1 fiche

Annual report of the Office, established in 1984 to coordinate the government funding needed to identify, investigate and develop coal-related technologies. In addition to an overview of the coal industry in Alberta and the government strategy for its development, short explanations are given of the various research projects being undertaken in exploration, mining, preparation and upgrading, combustion, liquefaction, gasification, environment, and markets. Funding contributions to the projects are given from 1977/8 - 1988/9. A listing of projects supported by the Office is also included, along with a list of publications currently available  
AL EN NR PR SC

**Alberta. Office of the Auditor  
General : Annual report 1988-89**

Edmonton : The Office, 1989. 121 p.  
CSI 35158.001  
MICROLOG 90-03736 2 fiche

This annual report describes the work of the office of the Auditor General. It outlines the audit work undertaken on each government department and agency, and contains a selection of the audit observations and recommendations that resulted from that work. It also describes the nature of the auditing carried out and the criteria that was used when deciding which audit observation and recommendations to include in this report. In

addition, it contains a summary of the audit report reservations issued together with a brief commentary on the province's operating results. Finally, it describes the responsibilities, operations and organization of the office.  
AL CO PA PR SA

**Alberta. Office of the Chief Medical  
Examiner : Annual review 1986**

Edmonton : The Office, 1986. 28 p.  
CSI 35186.001  
MICROLOG 90-07218 1 fiche

The Office of the CME is responsible under the Fatality Act and Vital Statistics Act for the investigation and certification of all deaths by violence, as well as unexpected, unexplained or unattended deaths, for persons dying within ten days of surgery or anaesthesia, and of persons held involuntarily. The Examiner is also responsible for providing authority in matters of cremation or anatomical dissection and the shipment of bodies from the province. This annual review of the Examiner's activities includes certified cases, by cause of death, homicide by age and method, suicides by sex, age and region, traffic, farm and industrial accidents, unclassified and undetermined (in motivation) deaths by cause and sudden infant death syndrome. Also reviews public inquiries by type and cause of death and gives responses to judicial recommendations made at public inquiries.  
AL HE PR ST

**Alberta. Office of the Farmers'  
Advocate : Annual report 1988**

Edmonton : The Office, 1989. 55 p.  
CSI 35159.001  
MICROLOG 90-06888 1 fiche

The Farmers' Advocate of Alberta investigates, solves problems and acts as mediator in disputes which involve farmers and other segments of industry, and in an advisory capacity, presents alternative routes and procedures for dispute settlement. This annual report includes discussions on rural municipalities, the Agricultural Operation Protection Act, insurance and farming, farm organizations, mineral rights, water well restoration and/or replacement, livestock predator indemnity, rural crime watch, surface rights, farm equipment, finance and the farm, and Alberta Hail and Crop Insurance. As well, the report summarizes cases that have come before the agency for the year.  
AG AP PR

**Alberta. Office of the Farmers'  
Advocate : Annual report 1989**

Edmonton : The Office, 1990. 56 p.  
CSI 35159.001  
MICROLOG 90-03750 1 fiche

Annual report of the Farmers' Advocate, which investigates and solves problems and acts as mediator in disputes involving farmers and other segments of society. This report describes the various programs administered, as well as a selection of representative cases. Programs involve livestock predator indemnity, water well restoration or replacement, rural crime, surface rights, seismic activity, mineral rights, farm equipment, finance and the farm, and insurance and the farm industry. The case summaries generally deal with these issues also.  
AG AL PR SC

**Alberta. Office of the Ombudsman :  
Annual report 1989**

Edmonton : The Office, 1990. 67 p. : ill.  
CSI 35161.001 ISSN 0828-2277  
MICROLOG 90-06400 1 fiche

The Ombudsman is empowered to investigate complaints against departments, boards and agencies of the provincial government. The annual report reviews the authority of the



Ombudsman and the Office's caseload and disposition of complaints. It also presents each complaint reviewed during the year and status of complaint at year-end by government department.  
AL PA PR ST

**Alberta. Office of the Superintendent of Insurance : Annual report 1985**

Edmonton : The Office, 1986. 112 p. : ill. CSI 36013.001.  
MICROLOG 90-00316 2 fiche

This annual report contains a statistical review of insurance business, a list of insurance companies licensed, an annual statement of provincial companies, and an abstract of returns  
AL CO PR

**Alberta. Office of the Superintendent of Insurance : Annual report 1986**

Edmonton : Alberta Consumer and Corporate Affairs, 1987. 108 p. : ill. CSI 36013.001. ISSN 0229-7108  
MICROLOG 90-02396 2 fiche

This annual report contains a statistical review of insurance business in Alberta, a list of insurance companies licensed in Alberta, an annual statement of provincial companies, and an abstract of returns. It also includes summaries of premiums written and claims incurred within the Province, and detailed statements of Provincial companies.  
AL CO PR ST

**Alberta. Office of the Superintendent of Insurance : Annual report 1987**

Edmonton : Alberta Consumer and Corporate Affairs, 1989. 108 p. : ill. CSI 36013.001. ISSN 0229-7108  
MICROLOG 90-05763 2 fiche

This annual report includes a statistical review of insurance business in Alberta, a list of insurance companies licensed in Alberta, the annual statement of provincial companies, and the abstract of returns.  
AL CO PR

**Alberta. Premier's Council on the Status of Persons with Disabilities : Annual report 1988-89**

Edmonton : The Council, 1989. 13 p. CSI 35233.001.  
MICROLOG 90-02914 1 fiche

The Premier's Council was established to advise, report to and make recommendations to the government, to identify and review current and emerging issues and policies, and to prepare communication packages containing information respecting disabilities. This annual report highlights the direction the Council has chosen to fulfil its mandate and many of the activities that have been initiated in the fiscal year. It demonstrates the establishment of a coordinated approach not seen before in the province.  
AL HE PR

**Alberta. Public Service Employee Relations Board : Annual report 1988-89**

Edmonton : The Board, 1989. 15 p. CSI 35134.001.  
MICROLOG 90-05500 1 fiche

The Board governs collective bargaining and related matters for more than 55,000 public service employees and their employers within the Province of Alberta. The annual report contains data on applications and disposition, and information on significant cases and judicial review cases. Includes description of legislation of the Public Service Employees Relation Act.  
AL LA PA PR ST

**Alberta. Public Service Management Pension Plan Board : Annual report 1988**

Edmonton : The Board, 1989. 15 p. CSI 35166.001.  
MICROLOG 90-00322 1 fiche

This annual report lists the members of the Board, and presents information on applications and appeals, and the advisory role. It includes excerpts from the Act and an overview of the plan.  
AL CO PA PR

**Alberta. Public Service Pension Plan Board : Annual report 1987**

Edmonton : The Board, 1988. 36 p. CSI 35167.001.  
MICROLOG 90-00319 1 fiche

This annual report includes a chairman's report, and information on the Board, application's and appeals, and the advisory function. It also contains plan highlights and excerpts from the Act.  
AL CO PA PR

**Alberta. Public Service Pension Plan Board : Annual report 1988**

Edmonton : The Board, 1988. 45 p. CSI 35167.001.  
MICROLOG 90-02776 1 fiche

This annual report contains information on applications and appeals, and a summary of major benefits. It also includes recommendations, and the cost of living adjustments report.  
AL CO PR

**Alberta. Reclamation Research Technical Advisory Committee : Annual report 1988**

Edmonton : Land Conservation and Reclamation Council, 1989. vii, 74 p. : ill., maps. Bibliogr. (Report : RRTAC 89-1) CSI 35211.001  
MICROLOG 90-05114 1 fiche

Annual report of the Alberta Land Conservation and Reclamation Council, which regulates surface disturbances, covering their programs, management and funding, and significant events in 1988. Reclamation research programs in Plains coal, mountains and foothills coal, oil sands, oil and gas, and previous research in these areas are covered. Financial data is included.  
AL EV PR SC

**Alberta. Recreation, Parks and Wildlife Foundation : Annual report 1988-89**

Edmonton : The Foundation, 1989. 23 p. : ill. CSI 35170.001.  
MICROLOG 90-03734 1 fiche

Annual report of the Foundation, giving an overview of the year's activities, quarterly grant projects, funds disbursed through the enrichment program and the park ventures funds, and the promotion of programs using recreation for health promotion. A financial statement is included.  
AL CU EV PR SC

**Alberta. Special Forces Pension Board : Annual report 1987-88**

Edmonton : Alberta Treasury, 1989. 6 p. CSI 35171.001  
MICROLOG 90-00326 1 fiche

Includes a plan overview, a review of operations, and information on actuarial liabilities, participation, book entry transfers, reciprocal agreements, reciprocal transfers, contributions, refunds, death in service benefits, information and counselling services, and pension benefits.  
AL CO PA PR ST

**Alberta. Special Forces Pension Plan Board : Annual report 1988**

Edmonton : The Board, 1989. 13 p. CSI 35171.002  
MICROLOG 90-00320 1 fiche

The main responsibilities of the Board are to hear appeals of administrative decisions made on pensions, and to advise the Minister responsible for public service pensions on matters relating to the plan. This annual report includes information on applications and appeals, and the advisory function. It also contains plan highlights and excerpts from the Act.  
AL CO PA PR

**Alberta. Surface Reclamation Fund : Annual report 1987-88**

Edmonton : Alberta Environment, 1989. 54 p. CSI 35173.001.  
MICROLOG 90-00560 1 fiche

Annual report of the Fund, which holds all security deposits as an incentive to assure satisfactory land reclamation will be carried out pursuant to approvals under the Act. This document also reports on the disposition of all non-cash security deposits which have been accepted instead of cash. The report includes a balance sheet, an operating account summary, a list of cash and non-cash securities by company name for coal, pipelines, and sand and gravel.  
AL NR PA PR SC

**Alberta. Treasury Branches : Annual report 1988-89**

Edmonton : The Branches, 1989. 28 p. : ill. CSI 35175.001  
MICROLOG 90-06901 1 fiche

This annual report lists financial institutions serving Alberta, an auditor's report, financial statements, and a financial review, together with branch locations and their management as at May 31, 1989, and a list of Treasury Branch agencies.  
AL CO PR

**Alberta. Universities Academic Pension Board : Annual report 1987-88**

Edmonton : Alberta Treasury, 1989. 7 p. CSI 35176.001  
MICROLOG 90-00325 1 fiche

Includes a plan overview, a review of operations, and information on actuarial liabilities, participation, book entry transfers, reciprocal agreements, reciprocal transfers, contributions, refunds, death in service benefits, information and counselling services, and pension benefits.  
AL CO ED PA PR

**Alberta. Universities Academic Pension Plan Board : Annual report 1988**

Edmonton : The Board, 1989. 15 p. CSI 35176.002.  
MICROLOG 90-00321 1 fiche

This annual report lists the members of the Board, and presents information on applications and appeals, and the advisory role. It includes excerpts from the Act and an overview of the plan.  
AL CO ED PA PR

**Alberta. Vital Statistics Division : Annual review 1988**

Edmonton : The Division, 1989. 55 p. CSI 35177.002  
MICROLOG 90-00344 1 fiche

The Review is produced primarily for the purpose of providing ready reference to some of the more frequently used vital statistics for Alberta. This document provides birth, marriage and death statistics. It includes a glossary of terms.  
AL HE PR ST



**Alberta. Vital Statistics Division : Annual review 1989**

Edmonton : The Division, 1990. 71 p.  
 CSI 35177.002  
 MICROLOG 90-07350 1 fiche

The Review is produced primarily for the purpose of providing ready reference to some of the more frequently used vital statistics for Alberta. Includes data on births, marriages, deaths and still births. Also includes a ten-year statistical summary  
 AL HE PR ST

**Alberta aerospace directory**

Edmonton : Alberta Economic Development and Trade, Small Business and Industry Development Division, Aerospace Industries Sector, 1989. 37 p.  
 MICROLOG 90-02275 1 fiche

Directory listing more than 60 firms covering electronics, engineering consultants/R&D, lasers, maintenance and overhaul, materials/coatings/heat treating/materials testing, materials and composites/fabrication, project management, remote sensing/communications, and software/hardware. Firms are listed alphabetically under each category, with information given on contacts, a description of the firm, quality standard, major clients, sales, and employees.  
 AL PR PS SC

**Alberta Agricultural Development Corporation : Annual report 1988-89**

Edmonton : The Corporation, 1989. 36 p. : ill.  
 CSI 35139.001  
 MICROLOG 90-03745 1 fiche

Annual report of the Corporation, which fosters a sustainable, profitable agrifood sector in the province by ensuring the availability and advancing the productive use of the financial services necessary to meet evolving needs. This report gives a summary of the year's activities, a description of programs and services, and a 10 year comparison. A financial statement is included.  
 AG AL PR SC

**Alberta Agricultural Products Marketing Council : Annual report 1988-89**

Edmonton : The Council, 1989. 18 p.  
 CSI 35237.001  
 MICROLOG 90-07354 1 fiche

This annual report covers the supervision of Marketing Boards and Commissions. It also provides an overview of the National Marketing Agencies, and highlights Council's 1988-89 activities. It lists Council members and staff.  
 AG AL CO PR

**Alberta Agricultural Research Institute : Annual report 1987-88**

Edmonton : The Institute, 1988. 28 p. : ill.  
 CSI 35234.001  
 MICROLOG 90-02940 1 fiche

The Institute supports agricultural research endeavours in Alberta. This annual report contains a review of funding programs and an auditor's report. It also provides the final report for the Alberta Agricultural Research Trust which was abolished in 1987 when its assets and liabilities were assumed by the Institute.  
 AG AL PR

**Alberta Agricultural Research Institute : Annual report 1988-89**

Edmonton : The Institute, 1989. 29 p. : ill.  
 CSI 35234.001  
 MICROLOG 90-05188 1 fiche

The Institute was established in 1987 with the aim of ensuring coordination of research by including leaders of the province's major agricultural research organizations on its board. Board members in farming or agri-business also provide input. This annual report discusses the 4 funding programs: Research Coordination, Matching Grants, the National Agricultural Biotechnology Initiative, and Research Professorship. Under each of these a table gives project titles and objectives with the amount of funding, and also names the researchers and sponsors involved. Financial statements conclude the document.  
 AG AL PR SC

**Alberta Alcohol and Drug Abuse Commission : Annual report 1988-89**

Edmonton : The Commission, 1989. 35 p. : ill.  
 CSI 35102.001  
 MICROLOG 90-06064 1 fiche

AADAC is responsible for a wide range of treatment, prevention and education programs dealing with alcohol and drug concerns, with provision of services through AADAC's offices and clinics, and the funding of private treatment and prevention services. Annual report reviews existing services and programs with caseload information on patients seen, treated and admitted.  
 AL BS HE PR ST

**Alberta apartment vacancy and rental cost survey, 1989**

Edmonton : Alberta Municipal Affairs, 1989  
 153 p. CSI 34112.004. ISSN 0823-3063  
 MICROLOG 90-00345 2 fiche

The survey determines vacancy rates and rental costs in multi-family rental dwellings in most cities and towns in Alberta. It covers 89 communities which have a population equal to or greater than 1,000 with 30 or more rental suites.  
 AL MU PR SA ST

**Alberta Art Foundation : Annual report 1987-88**

Edmonton : The Foundation, 1988. 23 p. : ill.  
 CSI 35103.001  
 MICROLOG 90-06346 1 fiche

The Foundation supports the artistic community as one of the major financial resources of galleries and art organizations by providing program and project grants. Annual report reviews activities in acquisition, exposures, art education, community involvement and financial assistance to galleries, special projects and scholarships. Contains financial statements.  
 AL CU PR

**Alberta at a glance : our economic and fiscal profile**

Edmonton : Alberta Attorney General, 1990.  
 015 p. : ill. CSI 34102.200  
 MICROLOG 90-03741 1 fiche

This document presents graphs depicting deficit reduction, private investment, manufacturing investment, the unemployment rate, net migration to Alberta, housing starts, retail sales, program expenditure growth, revenue growth, government employment, education expenditure, health expenditure, environment expenditure, and a comparison of provincial taxes payable.  
 AL CO PR ST

**Alberta Automobile Insurance Board : Annual report 1989**

Edmonton : The Board, 1990. 7 p.  
 CSI 35104.001  
 MICROLOG 90-06394 1 fiche

The Board is empowered to investigate any matters regarding automobile insurance, and to approve rates charged by insurers for compulsory automobile coverage. The document provides information on rates and the market as well as a report on the year's meetings, inquiries, benefits, staff, membership on board and general information.  
 AL CO PR TR

**Alberta Cancer Board : Annual report 1988-89**

Edmonton : The Board, 1989. 48 p. : ill.  
 CSI 35218.001  
 MICROLOG 90-06904 1 fiche

Annual report of the Board, which provides comprehensive cancer care involving public education, research and prevention, and the treatment of cancers from early to advanced. This report takes a special look at the continuum of care offered to breast cancer patients, including background information on prevention and those at risk, methods of diagnosing and treating, and post-diagnostic care. In addition, information is provided on the responsibilities of the Board, the research programs conducted, and its activities in prevention and control. A financial statement is included, as well as a summary of the activities of the Alberta Cancer Foundation.  
 AL HE PR ST

**Alberta conservation strategy : strategic framework in brief -- Draft**

Environment Council of Alberta. Public Advisory Committees. Edmonton : The Council, 1990.  
 19 p. : ill. Bibliogr.  
 MICROLOG 90-05240 1 fiche

The Alberta conservation project arose from the publication of the World Conservation Strategy in 1980. The strategic framework discussed in this document provides a principled structure for making decisions about sustainable development. The central point is that a logical and practical method is needed to test whether economic and environmental decisions will lead to sustainable use of the biosphere. Decisions are evaluated within a strategic framework of 10 principles.  
 AL EV PR SC

**Alberta Coordinated Home Care Program directory**

Edmonton : Alberta Health, 1990. 25 p.  
 MICROLOG 90-07362 1 fiche

The directory is arranged alphabetically by the name of the home care program. Each entry provides the name, address, telephone number, person(s) in charge, area served, services provided, and sub-office information. An index provides access by municipality.  
 AL HE PR SA

**Alberta Council on Admissions and Transfer : Annual report 1987-88**

Edmonton : The Council, 1988. 16 p.  
 CSI 35105.001. ISSN 0383-5057  
 MICROLOG 90-03735 1 fiche

Presents information on policy review, admission policies, transfer policies, the Alberta transfer guide, transfer patterns data, and articulation between the secondary and post-secondary systems.  
 AL ED PR

**Alberta Council on Admissions and Transfer : Annual report 1988-89**

Edmonton : The Council, 1989. 19 p.  
*CSI 35105.001*. ISSN 0383-5057  
 MICROLOG 90-06050 1 fiche

This annual report supplies information on the Alberta Transfer Guide, admissions issues, articulation between the secondary and post-secondary systems, transfer patterns data, a policy and procedure for admission and transfer of credit among Alberta post-secondary institutions, institutional requirements, Council membership, the terms of reference, the Council's principles, policies and procedures and the Alberta transfer model.  
 AL ED PR

**Alberta Dairy Control Board : Annual report 1988-89**

Edmonton : The Board, 1989. 41 p.  
*CSI 35107.001*  
 MICROLOG 90-00328 1 fiche

The purpose of the Dairy Board is to control and regulate the sale of milk in Alberta. This annual report provides information on the Board's main activities. It also contains statistical data pertaining to dairy producers, processors, as well as milk and cream production and sales.  
 AG AL PR ST

**Alberta day care reforms : a fairer, better system for Albertans**

Edmonton : Alberta Family and Social Services, Day Care Programs, 1990. 20 p. : ill.  
*CSI 34121.201*  
 MICROLOG 90-06909 1 fiche

This paper presents reforms to the current structure of government funding of day care in Alberta, and to regulated standards governing the licensing of Alberta's day care centres. These reforms are based on public input received in response to reforms proposed in the White Paper, 'Meeting the need...a fairer, better system for Albertans.'  
 AL PR SA ST

**Alberta economic accounts, 1988**

Edmonton : Alberta Treasury, Bureau of Statistics, 1990. ix, 57 p. *CSI 35144.002*  
 ISSN 0319-4264  
 MICROLOG 90-03603 1 fiche

The publication is divided into three parts. The first part provides a brief description of how the Alberta economy performed in 1988, a description of the methodological changes that have been incorporated into the publication this year, and an explanation of the basic concepts of economic accounts and their measurement. The second section contains data tables for the income and expenditure accounts, in both current and constant dollars; plus more detailed tables that present the accounts by sector and industry, provide a breakdown of exports, and describe consumer expenditures and personal income. The final section provides brief definitions or explanations of terms which appear throughout the accounts.  
 AL CO PR ST

**The Alberta economy : an overview**

Edmonton : Dept. of Economic Development and Trade, 1989. 10 p. : ill.  
 MICROLOG 90-02899 1 fiche

Provides an overview of the following opportunity industries: advanced technology, resources, manufacturing, and services.  
 AL CO PR

**Alberta Educational Communications Corporation : Annual report 1988-89**

Edmonton : The Corporation, 1989. 31 p.  
 ill. *CSI 35109.001*  
 MICROLOG 90-04733 1 fiche

Access Network, the trade name of the Alberta Educational Communications Corporation, provides a framework within which educational broadcasting and the development, production, and distribution of educational programs and materials can take place. The annual report reviews these activities through the educational technology and administrative division, and the television and radio divisions. The corporation's financial statements conclude the document.  
 AL ED PR TE

**Alberta Electric Energy Marketing Agency : Annual report 1988-89**

Edmonton : The Agency, 1989. v, 12 p. : ill. *CSI 35110.001* ISSN 0825-9577  
 MICROLOG 90-00547 1 fiche

The Agency has the mandate to reduce regional electrical rate disparities by equalizing generation and transmission costs province-wide. This annual report provides information on transactions that have taken place during the fiscal year starting April 1, 1988 and ending March 31, 1989.  
 AL CO EN PR SC ST

**Alberta Electric Energy Marketing Agency : Annual report 1989-90**

Edmonton : The Agency, 1990. v, 12 p.  
 ill. *CSI 35110.001* ISSN 0825-9577  
 MICROLOG 90-06344 1 fiche

The Agency's sole objective has been to reduce regional electrical rate disparities by equalizing generation and transmission (upstream) costs province-wide. Operated under the jurisdiction of the Dept. of Energy, this annual report of the Agency, covers Agency operations, mandate, pooling process, and shielding of low-cost utilities. A financial statement is included.  
 AL CO EN PR SC ST

**Alberta fertilizer guide**

Edmonton : Alberta Agriculture, 1989.  
 15 p. : map. (Agri-fax)  
 MICROLOG 90-01140 1 fiche

Guide to provide information on the use of fertilizers under the various cropping and soil-climate conditions throughout the province. Fertilizers are given as a range of application rates typical of a particular crop and soil-climate area. General information is also included on soils, cropping practices, and fertilizer use, as well as how to choose the kind and rate of fertilizer for each type of crop.  
 AG AL PR SC

**Alberta forest service watershed management field and laboratory methods**

prepared by A.M.K. Nip and R.A. Hursey ; for the Alberta Forest Service, Forest Research Branch. Edmonton : Reclamation Research Technical Advisory Committee, Alberta Land Conservation and Reclamation Council, 1988 xviii, 258 p. : ill. Bibliogr. (Report ; RRTAC 88-8)  
 MICROLOG 90-02905 3 fiche

The collection of hydrometric, water quality and hydrometeorologic information is a complex task. A variety of instruments and measurement methods are required to produce a record of hydrologic inputs and outputs for a watershed basin. To ensure acceptable quality of data, agreement must be reached among the operating, contributing and user agencies on methods to be used in measuring and sampling data. The purpose of this manual is to assist those involved in the field of data acquisition by outlining methods, practices and instruments which are reliable and recognized by the International Organization for Standardization.  
 AL EV NR PR SC

**Alberta Foundation for Nursing Research : Annual report 1987-88**

Edmonton : The Foundation, 1988. 12 p.  
*CSI 36007.001*  
 MICROLOG 90-05183 1 fiche

Annual report of the Foundation, giving an overview of the year's activities and the awards for funding of research projects, facilitation grants, conference/workshop grants, and student research bursaries. A financial statement is included.  
 AL HE LS PR SC

**Alberta Foundation for the Performing Arts : Annual report 1988-89**

Edmonton : The Foundation, 1989. 24 p. : ill. *CSI 35114.001*  
 MICROLOG 90-06907 1 fiche

From its inception in 1978, the Foundation has provided support to numerous developing talents from around the province through the disbursement of funds received annually from the Government of Alberta Lottery Fund, and the interest accrued from the Alberta Foundation for the Performing Arts Reserve Fund. This report describes activities from the 1988-89 year and lists regular grant and conditional assistance program recipients with amount received, and financial statements for the year.  
 AL CU PR

**Alberta Gaming Commission : Annual review 1988**

Edmonton : The Commission, 1989. 19 p. : ill. *CSI 35185.001* ISSN 0821-8633  
 MICROLOG 90-02777 1 fiche

The Commission is the provincial authority for licensing charitable and religious organizations to conduct and manage bingos, casinos, raffles, and pull-ticket sales. This annual report contains a review of 1988, selected Commission cases, and gaming statistics.  
 AL CU PR

**Alberta Government Telephones : Annual report 1989**

Edmonton : The Corporation, 1990. 50 p. : ill. *At head of title: Network for the nineties* *CSI 35115.001*  
 MICROLOG 90-05192 1 fiche

AGT is Alberta's largest telecommunications company. It was established in 1906 to provide basic telephone services. Areas of business now include local and long distance voice, data and video transmission, telephone terminal equipment, business systems, directory services and Alberta's largest public and private mobile networks. This annual report highlights the major activities and accomplishments of the Corporation and includes statements of its financial position.  
 AL PR TE

**Alberta gross domestic product : 1988 preliminary estimates**

Edmonton : Alberta Treasury, Bureau of Statistics, 1989. 14 p. *CSI 35144.011*  
 MICROLOG 90-00650 1 fiche

Summary tables detailing Alberta's economic production in 1988 as measured by preliminary estimates of gross domestic product (GDP). The tables include preliminary estimates of GDP and its components for both the income and expenditure accounts. Tables are also included showing constant dollar estimates of the expenditure account, implicit price indexes, and gross domestic product by industry as well as year-over-year percent changes for each of the tables. In the calculation of the 1988 estimates, the methodology used to deflate the exports of oil and gas, investment in machinery and equipment, and residential construction and imports have been changed to a weighted



average export price. Highlights begin the report. Data is given for 1980-87.  
AL CO PR ST

**Alberta gross domestic product : 1989 preliminary estimates**

Edmonton : Alberta Treasury, Bureau of Statistics, 1990. 14 p. CS/ 35144.011.  
MICROLOG 90-06830 1 fiche

Preliminary release of the consolidated tables of the annual Alberta Economic Accounts 1989, for which a full report is released 12 months later. The report contains summary tables detailing Alberta's economic production in 1989 as measured by preliminary estimates of gross domestic product (GDP). The tables include preliminary estimates of GDP and its components for both the income and expenditure accounts, as well as tables showing constant dollar estimates of the expenditure account, implicit price indexes, and gross domestic product by industry as well as year-over-year percent changes for each of the tables. The report contains data for 1981-89.  
AL CO PR ST

**Alberta Hail and Crop Insurance Corporation : Annual report 1987-88**

Lacombe, Alta. : The Corporation, 1988. 32 p. : ill. CS/ 35116.001  
MICROLOG 90-00736 1 fiche

Contains the Director's report and reviews the activities of the two programs. It includes a statement of financial position  
AG AL CO PR PW SC ST

**Alberta Hail and Crop Insurance Corporation : Annual report 1988-89**

Lacombe, Alta. : The Corporation, 1989. 34 p. : ill. CS/ 35116.001  
MICROLOG 90-06060 1 fiche

Annual report of this Crown corporation which administers hail insurance and crop insurance programs, the former being self-sustaining, and the latter paid by the Government of Alberta. Details are given on the year's activities, a chronological summary of the major hail storms, drought assistance programs, changes in the crop insurance program for 1988, the forage insurance program, special assistance to high-risk areas, and the honey insurance program. Financial statements are included, along with data presenting comparative and historical information for the last 10 years by crop.  
AG AL CO PR ST

**Alberta Health and Social Services Disciplines Committee : Annual report 1989-90**

Edmonton : The Committee, 1990. 12 p. CS/ 35120.001  
MICROLOG 90-06880 1 fiche

The Committee coordinates manpower planning activities for the government's health services. The report contains health and social service manpower issues, a description of the planning coordination and liaison, and a statement concerning the collection and distribution of manpower data and information.  
AL HE LA PR ST

**Alberta Health Claims Redevelopment Project Claims Assessment System (CLASS) : Medilink Pilot Project : evaluation report**

SHL Systemhouse Inc. Edmonton : Alberta Health, 1990. ii, 72 p.  
MICROLOG 90-05211 1 fiche

The Medilink pilot project assessed the feasibility of the most practical and cost-effective alternatives for the electronic submission of claims and eligibility checks from the computing facilities in practitioner offices to databases of Alberta Health information. This report gives the background and objectives of the project,

describes Medilink as it was implemented, and records the functional, technical and economic findings.  
AL HE PR PS SC

**Alberta Health Disciplines Board : Annual report 1987-88**

Edmonton : The Board, 1988. i, 16 p. : ill. CS/ 35119.001  
MICROLOG 90-04445 1 fiche

This annual report outlines the major activities and accomplishments of the Board.  
AL HE PR

**Alberta Health Disciplines Board : Annual report 1989**

Edmonton : The Board, 1990. 18 p. CS/ 35119.001  
MICROLOG 90-07355 1 fiche

This annual report describes the objectives of the Health Disciplines Act and the history, responsibilities and structure of the Health Disciplines board. It also summarizes the Board's activities during 1989 and the status of Health Disciplines regulated under the Act as of December 31, 1989.  
AL HE PR

**Alberta Health Facilities Review Committee : Annual report 1988**

Edmonton : The Committee, 1989. 20 p. CS/ 35118.001  
MICROLOG 90-00546 1 fiche

The mandate of the Committee is to ensure that quality care, treatment and standards of accommodation are maintained in health care facilities and lodges across the province. This annual report provides a history of the Committee, and its observations and recommendations.  
AL HE PR

**Alberta Health Facilities Review Committee : Annual report 1989**

Edmonton : The Committee, 1990. 26 p. : ill. CS/ 35118.001  
MICROLOG 90-06342 1 fiche

The Committee reviews and inspects health care facilities and lodges across Alberta to ensure that quality care, treatment and standards of accommodation are maintained. This paper reports on seminars, conventions and workshops in 1987 discussing plans for health care facilities in the future. Contains a list of facilities and the Alberta Health Facilities Review Committee Act. Also discusses where the future directions lay in the Health Care Policy.  
AL HE PR PW SA

**Alberta Heritage Foundation for Medical Research : Annual report 1988-89**

Edmonton : The Foundation, 1989. 2 v. : ill. Contents: Vol. 1 : Part I, the report -- vol. 2 : Part II, statistics and financial summaries CS/ 35121.001  
MICROLOG 90-04453 1 fiche

Created in 1979, the Foundation establishes and supports long-term programs of medical research that are directed toward the discovery of new knowledge and the commercial application of this knowledge that will improve health care. This annual review discusses awards and grants allocated, and gives a list of personnel. Also contains financial statements and a description of each of the Foundation's programs.  
AL LS PR SC ST

**Alberta Heritage Savings Trust Fund : Annual report 1988-89**

Edmonton : The Fund, 1989. 48 p. : ill. CS/ 35122.001  
MICROLOG 90-00314 1 fiche

This annual report includes heritage fund highlights, the provincial treasurer's report, and describes how the heritage fund works. It also reviews financial assets, investment transactions, deemed assets, and presents a financial summary.  
AL CO CU PR ST

**Alberta house cost comparison study : executive summary, 1988**

Helyar & Associates. Edmonton : Alberta Municipal Affairs, Housing Division, Research and Development Section, 1988. 56 p. : ill. CS/ 34112.006. ISSN 0822-3920  
MICROLOG 90-00562 1 fiche

This document provides estimates of the hard construction costs of a prototypical single-detached dwelling and a 24 unit walk-up apartment in ten urban centres in the province. It also compares 1988 residential construction costs with those of previous years in the selected urban centres.  
AL CO PL PR SA ST

**Alberta house cost comparison study : single-detached dwelling, 1988**

Helyar & Associates. Edmonton : Alberta Municipal Affairs, Housing Division, Research and Development Section, 1988. 193 p. : ill. CS/ 34112.008. ISSN 0822-3904  
MICROLOG 90-00561 3 fiche

Provides estimates of the hard construction costs of a prototypical single-detached dwelling and a 24 unit walk-up apartment in ten urban centres in the province. It also compares 1988 residential construction costs with those of previous years in the selected urban centres.  
AL CO PL PR SA ST

**Alberta house cost comparison study : walk-up apartment, 1988**

prepared by Helyar and Associates : for Alberta Municipal Affairs, Housing Division, Research and Development Section. Edmonton : Alberta Municipal Affairs, Housing Division, Research and Development Section, 1988. 215 p. : ill. CS/ 34112.007. ISSN 0822-3912  
MICROLOG 90-00563 3 fiche

Provides estimates of the hard construction costs of a prototypical single-detached dwelling and a 24 unit walk-up apartment in ten urban centres in the province. It also compares 1988 residential construction costs with those of previous years in the selected urban centres.  
AL CO PL PR SA ST

**Alberta industrial products and processes index**

Edmonton : Alberta Economic Development and Trade, 1990. 136 p.  
MICROLOG 90-05843 2 fiche

The index lists over 1000 industrial manufacturers and service companies in the following categories: metals and metal fabricators; textiles, minerals, and plastics; petroleum services; electronics; forestry and wood products; and industrial services.  
AL CO PR

**Alberta international trade, 1988**

Edmonton : Alberta Economic Development and Trade, 1989. 187 p. : ill. CS/ 35223.001  
MICROLOG 90-06347 3 fiche

This publication provides industry, government, and the general public with information about Alberta's imports and exports, and their composition, origins and destinations. Its purpose is to act as an indicator to the direction in which Alberta's economy is moving, allowing business decisions for expanding trade operations. The report provides a profile of commodities (volume and value) exported to, and imported from, each country to and from

Alberta and all Canada. Data coverage is for 1985-1988.

AL CO EX PR ST

# **Alberta investment guide : reference report**

Edmonton : Alberta Economic Development and Trade, 1989. 111 p. : ill. Bibliogr.  
MICROLOG 90-02279 2 fiche

Addresses the following topics as they relate to investment in the province: foreign investment in Alberta; the Canada-U.S. free trade agreement; business immigration program; the labour relations climate; corporate taxation; personal taxation; comparative living cost summary; research and development tax incentives; select federal, Alberta, and municipal government programs and services; research and development parks in Alberta, and Alberta's foreign offices.

AL CO PR

# **Alberta Liquor Control Board : Annual report 1989**

Edmonton : The Board, 1990. 35 p. : ill.  
CSI 35126.001  
MICROLOG 90-06393 1 fiche

The Board administers the Liquor Control Act and Regulations, and is responsible for all purchases and sales of alcoholic beverage products. The annual report presents data on sales, financial operations, licensing activity including licences issued and suspended.

AL CO PA PR ST

# **Alberta Mortgage and Housing Corporation : Annual report 1988-89**

Edmonton : The Corporation, 1989. 28 p. : ill.  
CSI 35125.001  
MICROLOG 90-00919 1 fiche

This annual report reviews the activities of the Corporation, and presents financial statements. It lists the board of directors, and corporate offices.

AL CO PR SA ST

# **Alberta municipal assistance programs, 1990 : an inventory of provincial grants and cost sharing programs for Alberta municipalities and other local government entities**

Edmonton : Alberta Municipal Affairs, Municipal Services Branch, 1990. ii, 149 p.  
CSI 35190.001  
MICROLOG 90-07223 3 fiche

This publication compiles the various provincial grants and cost sharing programs to provide municipal officials, government employees, and the general public with concise descriptions of the numerous programs currently available to Alberta municipalities, to other government entities, and to organizations undertaking co-operative projects. It also includes those programs jointly funded by the federal and provincial governments.

AL PA PR

# **Alberta Municipal Financing Corporation : Annual report 1989**

Edmonton : The Corporation, 1990. 24 p. : ill.  
CSI 35128.001  
MICROLOG 90-05184 1 fiche

The Corporation assists municipalities to obtain capital at the lowest possible cost through access to capital markets. This annual report contains a financial analysis of the Corporation with data on debt, new loans issued, outstanding loans, revenues and expenditures, with changes in financial position.

AL CO MU PR

# **Alberta municipalities, urban and rural, including the chief officials of all cities, towns, villages, counties and municipal districts, 1990**

Edmonton : Alberta Municipal Affairs, Municipal

Services Branch, 1990. 41 p. CSI 34112.013.  
MICROLOG 90-06169 1 fiche

This document lists for each municipality, the administrator, the administrator's title, the municipal address, and telephone number.

AL MU PA PR

# **Alberta Oil Sands Technology and Research Authority : Annual report 1989**

Edmonton : The Authority, 1989. 66 p. : ill.  
CSI 35129.001  
MICROLOG 90-00549 1 fiche

Annual report of Authority, covering the activities undertaken during the year in situ oil sands recovery, the underground test facility, heavy oil recovery, enhanced recovery, produced water recycling, surface mining/extraction, upgrading, and engineering and technological development. The report also gives information on environmental activities, cooperative programs with universities, the Alberta Research Council and other research organizations, training and international programs, and industrial and post-doctoral fellowship programs. The Authority's place in technology transfer and commercialization and its use of economic analyses are presented. A list of patents awarded is also included. Financial statements are included.

AL EN PA PR PS SC

# **Alberta Opportunity Company : Annual report 1988-89 : turning opportunity into enterprise**

Edmonton : The Company, 1989. 24 p. : ill.  
CSI 35132.001  
MICROLOG 90-05636 1 fiche

The mandate of the Company is to hold and administer funds with the object of promoting the development of resources and the general growth and diversification of the economy of Alberta. This annual report includes a report from the directors, and a list of offices with their addresses and telephone numbers. It also presents financial statements, and information on loans, guarantees and venture investments.

AL CO PR ST

# **Alberta performing artists, 1990-91 : a directory of performing arts groups and individuals**

Alberta. Performing Arts. Touring. Edmonton  
Alberta Culture and Multiculturalism, 1990. 139 p. : ill.  
MICROLOG 90-05852 2 fiche

This directory lists groups and individuals in the following categories: dance; individual musicians; music groups; theatre; variety, and performers for young audiences.

AL CU PR

# **Alberta Petroleum Incentives Program : Annual report 1988-89**

Edmonton : The Program, 1989. 12 p.  
CSI 36028.001. ISSN 0829-945X ISBN 0-86499-684-5  
MICROLOG 90-04703 1 fiche

The Program was founded in 1981 to encourage the exploration and development of petroleum and natural gas resources and to support work on tertiary oil recovery projects in the province. A summary of activities for the year is given, along with financial statements. A summary of incentive grants is also included.

AL EN PR SC

# **Alberta Petroleum Marketing Commission : Annual report 1989**

Edmonton : The Commission, 1990. 28 p. : ill.  
CSI 35130.001  
MICROLOG 90-06399 1 fiche

Annual report of the Commission, presenting information on petroleum and natural gas marketing, sales, and pricing, as well as regulatory activity in Canada and the United States. A financial statement is included.

AL CO EN PR SC ST

# **Alberta provincial electoral division profile**

Edmonton : Bureau of Statistics, 1989. 664 p.  
MICROLOG 90-00185 7 fiche

This report presents 1986 statistical profiles for Alberta and one of Alberta's Provincial Electoral Divisions (PED). A PED is a territorial unit entitled to return a Member to serve in the Alberta Provincial Legislative Assembly. Based on 1985 boundaries, there are currently 83 PED's in Alberta. The profiles provide information on a variety of socio-economic characteristics and are supplemented by a comparative summary table for all constituencies.

AL PA PR

# **Alberta Public Health Appeal and Advisory Board : Annual report 1987-88**

Edmonton : The Board, 1988. 11 p.  
CSI 36027.001  
MICROLOG 90-06336 1 fiche

The Board has a mandate to advise the Minister of Community and Occupational Health on matters relating to the public health, and to carry out investigations or inquiries at his direction. In addition, the Board is empowered to hear appeals against certain actions and decisions of a local board of health. This annual report reviews advisory activities, appeal activities, and provides a summary of appeals.

AL HE PR

# **Alberta public library statistics, 1987**

Edmonton : Alberta Culture and Multiculturalism, Cultural Development Division, Library Services Branch, 1989. vi, 47 p.  
CSI 34104.002  
MICROLOG 90-00649 1 fiche

Data on libraries in Alberta, covering library systems, municipal libraries, and community libraries. A summary is given with a 5-year comparison. Data is compiled by type of library (municipal libraries outside regional systems and inside regional systems, community, and libraries outside and inside systems), and covers income and expenditures by individual library, and output measures.

AL CU PR ST

# **Alberta public library statistics, 1988**

Edmonton : Alberta Culture and Multiculturalism, Library Services Branch, 1990. vi, 47 p.  
CSI 34104.002  
MICROLOG 90-05390 1 fiche

There are three types of public libraries serving the population of Alberta: library systems, funded by local taxes within the geographic areas covered; municipal libraries, funded by municipal taxes; and, community libraries, supported by associations. This report reviews activities of libraries of these three types giving the following information for individual libraries within each category: population served; bookstock; circulation; local appropriation; provincial grant; other government income; other income, and expenditures. For the system libraries, data are limited to output measures.

AL CU PR ST

# **Alberta Public Safety Services : Annual report 1987-88**

Edmonton : The Dept., 1988. 34 p. : ill.  
CSI 35108.001  
MICROLOG 90-00570 1 fiche

This annual report reviews the activities of the



Department's various divisions. It also reports on program expenditures, and includes a Department overview.  
AL HE PR PW ST

#### Alberta Public Safety Services : Annual report 1988-89

Edmonton : The Agency, 1989. 27 p. : ill.  
CSI 35108.001  
MICROLOG 90-05407 1 fiche

The Agency has a mandate to promote public safety, and to ensure that the government is prepared to handle emergencies and disasters. It also overlooks the movement of dangerous materials on the roads. This document provides reports from the Agency's divisions and includes appendices on matters such as assistance programs and training statistics.  
AL PR PW SC ST TR

#### Alberta Research Council : Annual report 1989

Edmonton : The Council, 1990. 56 p. : ill.  
Bibliogr. CSI 35189.001  
MICROLOG 90-05187 1 fiche

The Council promotes technology development, performs applied research and provides expert advice, technical information and scientific infrastructure with the purpose of advancing the economic development of the province. This annual report gives highlights of 1989 and more detailed information on the Council's activities in energy, forest products, environment, biotechnology, agriculture, natural resources, industrial assistance, advanced technologies, joint research ventures, transportation, electronics, waste materials exchange, and patents and publications. A financial statement for 1988-89 is included, as well as an organizational chart and list of staff.  
AL PR PS SC

#### Alberta Social Care Facilities Review Committee : Annual report 1989

Edmonton : The Committee, 1990. 23 p.  
CSI 35194.001  
MICROLOG 90-05185 1 fiche

In 1989, 1,233 visits were made by the members of the Committee in the execution of their duties. Their visits brought members into contact with hundreds of Albertans as either users or providers of Social Services programs and facilities. In this report, the Committee has assembled a summary of its activities together with observations on how the public is being served by the programs supported and licensed by Social Services, and it also gives a summary of recommendations.  
AL HE PR

#### Alberta Special Waste Management Corporation : Annual report 1988-89

Edmonton : The Corporation, 1989. 17 p. : ill.  
CSI 35198.001  
MICROLOG 90-04451 1 fiche

Annual report of the Corporation, presenting information on the year's activities. Highlights dealt with include the System, the treatment centre, Regulations, and Public Awareness. A financial statement is included.  
AL EV PR SC

#### Alberta Students' Finance Board : Annual report 1988

Edmonton : The Board, 1989. 25 p. : ill.  
CSI 35138.001  
MICROLOG 90-02939 1 fiche

This annual report highlights the need-based activities, and includes a summary of expenditures. It presents information on need-based awards, the remission program, scholarships, fellowships, bursaries, grants, prizes, and return-service programs. It also includes a summary of total awards, and a comparison of award expenditures.  
AL ED PR ST

#### Alberta timber harvest planning and operating ground rules -- Rev.

Edmonton : Alberta Forestry, Lands and Wildlife, Forest Service, 1989. v. 60 p. : maps.  
Bibliogr. (ENR technical report ; 23) ISBN 0-86499-490-7  
MICROLOG 90-02306 1 fiche

Ground rules developed to provide direction to the forest industry and Forest Service staff in planning, conducting and monitoring harvesting operations. The document covers their application; annual operating plan development and submission requirements; planning considerations and harvesting conditions; road planning and construction, such as miscellaneous facilities as gravel pits, campsites, refuse and waste disposal, fuel and chemical storage, and sawmill sites; and road and facility tenure, maintenance, abandonment and reclamation. A glossary is included.  
AL EV FO PR SC

#### Alberta Tourism Education Council : Annual report 1988-89

Edmonton : The Council, 1989. 16 p.  
CSI 35235.001  
MICROLOG 90-04447 1 fiche

The role of the Council is to encourage a commitment of resources by industry, the education community, and government to develop enhanced education and training opportunities for current and prospective tourism and hospitality industry employees. This report examines the current status of the tourism and hospitality industry in Alberta with regard to training and educational needs and recommends how those needs might best be met.  
AL CU PR

#### Alberta traffic collision facts, 1989

Edmonton : Alberta Transportation and Utilities, Motor Transport Services Division, Planning and Statistics Branch, 1989. 4 p.  
CSI 34117.004  
MICROLOG 90-07241 1 fiche

Summary of data on traffic collisions, age and sex of drivers, vehicle or people involved, type of victims, location and time of collisions, and percentage who were drinking and driving or not wearing seat belts.  
AL PR SC ST TR

#### Alberta traffic collision statistics, 1988

Edmonton : Alberta Transportation and Utilities, Motor Transport Services, 1989. viii, 71 p. : ill.  
CSI 34117.002  
MICROLOG 90-00651 1 fiche

Overview of traffic collisions in Alberta during 1988, particularly those collisions causing death or injury, with only limited information for crashes involving only property damage. A summary is given first, followed by detailed information on time, victims, driver, vehicle, and environment. The report also includes such special types of vehicles as motorcycles, tractor-trailers, trains, and bicyclists. Such traffic safety issues as alcohol involvement and restraint use are considered as well.  
AL PR SC ST TR

#### Alberta traffic collision statistics, 1989

Edmonton : Alberta Transportation and Utilities, Motor Transport Services, 1990. xii, 74 p. : ill.  
CSI 34117.002  
MICROLOG 90-07043 1 fiche

This report provides an overview of traffic collisions which occurred in the province during 1987. It pays particular attention to collisions which resulted in death or injury. Since 1984, limited information has been collected for crashes involving only property damage.  
AL PR SC ST TR

#### Alberta Tree Nursery and Horticulture Centre : Annual report 1988

Edmonton : The Centre, 1989. 51 p. : ill.  
CSI 35195.001  
MICROLOG 90-00734 1 fiche

This annual report covers horticulture crop development, protected crop development, nursery crop development, and farm services. It includes a summary of research projects, and photos of the centre.  
AG AL FO LS PR SC ST

#### Alberta Tree Nursery and Horticulture Centre : Annual report 1989

Edmonton : The Centre, 1990. 50 p. : ill.  
CSI 35195.001  
MICROLOG 90-06879 1 fiche

Annual report of the Centre, which mainly produces trees and shrubs for the farm shelterbelt program and the Provincial Parks program. Information is given on various aspects of the nursery industry, the greenhouse extension program, horticulture extension, vegetable programs and farm operations.  
AG AL FO PR SC ST

#### Alberta Water Resources Commission : Annual report 1988-89

Edmonton : The Commission, 1989. 14 p.  
CSI 36009.001. ISSN 0833-7748 ISBN 0-7732-0425-3  
MICROLOG 90-05189 1 fiche

The Commission advises the government with regards to water resource planning, project evaluation, intergovernmental negotiations affecting water resources, and administration and general policy. This annual report presents issues and activities involving the Commission during the year, including water supply in the South Saskatchewan basin and wetlands management. An organizational chart is included.  
AL NR PR SC

#### The Alberta workforce to the year 2000

Edmonton : Alberta Career Development and Employment, 1990. 15 p. : ill. CSI 34111.202.  
MICROLOG 90-06875 1 fiche

Identifies the major trends that will affect the labour market in the 1990s. It also identifies policy challenges and explores ways to meet those challenges. It concludes with a discussion of the labour market policy to the year 2000.  
AL LA PR ST

#### Alberta's apprenticeship and trade certification system, programs and services : excellence through training and experience

Edmonton : Alberta Career Development and Employment, 1990. 24 p.  
MICROLOG 90-06722 1 fiche

The purpose of this publication is to provide an overview of Alberta's apprenticeship and trade certification system, programs, and services. It provides role statements, explains processes, and provides operational details to assist staff and instructors to understand and relate to the system and administrative support services.  
AL LA PR

#### Alberta's support to Canadian Studies programs abroad

Alberta. Alberta Federal and Intergovernmental Affairs. International Division. Edmonton : The Division, 1989. 57 p.  
MICROLOG 90-07358 1 fiche

Throughout the past decade, the Government of Alberta has actively supported Canadian Studies programs at foreign institutions. This document describes the program rationale. It also



provides an overview of Canadian Studies Programs, and a report of Alberta's financial contributions.

AL ED EX PR

### Alberta's threatened wildlife : peregrine falcon

Edmonton : Alberta Forestry, Lands and Wildlife, Fish and Wildlife, 1989. 6 p. ill., maps.

MICROLOG 90-02908 1 fiche

Peregrine falcons are an endangered species in Canada. Without active management, this species may become extinct in the province within the next ten years. This document describes falcons and their habits, reproduction, food, limiting factors, management and outlook.

AL EV PR SC

### Alberta-Canada Energy Resources Research Fund : Annual review 1988-89

Edmonton : Alberta Energy, Scientific and Engineering Services ; Ottawa : Energy Mines and Resources Canada, 1989. 20, 20 p. : ill. *Bilingual (Fonds Alberta-Canada de recherche...)*. CSI 34107.005. ISSN 0828-0711 ISBN 0-86499-639-X MICROLOG 90-05503 1 fiche

The purpose of the Fund, created in 1974, is two-fold: to promote and support the development and efficient use of Alberta's existing and potential energy resources to meet the province's and Canada's needs, and to encourage the development of scientific and technical expertise in energy research, development and demonstration in Alberta. This annual review contains highlights of the program, profiles of some research projects, and a financial statement.

AL CA EN PR SC ST

### Alberta-Pacific Pulp Mill : roadway infrastructure brief

by J. Phelps. Edmonton : Alberta Transportation and Utilities, 1989. iv, 25 p. : maps. *Fold. maps not filmed.* MICROLOG 90-07340 1 fiche

Alberta-Pacific Forest Industries Inc. proposes to develop a single-line bleached kraft pulp mill in the vicinity of the Athabasca River approximately 40 km northeast of the Town of Athabasca. The wood supply would be obtained mainly from a 100,000 sq km area north and east of the plant site. Discussions and negotiations were conducted between the provincial government and the company in the fall of 1988, with the government agreeing to fund a rail spur from the existing CN line to the mill, a main access road connecting the mill to Highway 63 or 55, and 2 resource roads. This report describes the construction schedule, the environmental and social impacts of the main access road and the 2 resource roads, and the public participation in the decision process.

AL EV FO PR SC

### Alcohol and Drug Co-ordinating Council for the Northwest Territories : Annual reports 1984-86

Yellowknife : The Council, 1986. 35 p. CSI 75101.001.

MICROLOG 90-03354 1 fiche

Presents an introduction to the Alcohol and Drug Co-ordinating Council (ADCC), and discusses trends in alcohol and drug abuse in the NWT, the Council's Activities in 1984-86, and the structure of the ADCC.

BS HE NO PR SA SC

### Alcoholism and Drug Dependency Commission of New Brunswick : Annual report 1988-89

Fredericton : The Commission, 1989. 27 p. : ill. *Bilingual.* CSI 46100.001. ISSN 0228-1449 ISBN 1-55048-110-X MICROLOG 90-01046 1 fiche

This annual report includes a chairman's report, information on the use of drugs and alcohol among adolescents, Huggy Project, substance abuse programs, a drug survey, satellite offices, and support groups. It includes regional reports.

AP BS PR SA

### Algonquin Forestry Authority (Ont.) : Annual report 1988-89

Toronto : The Authority, 1989. 14, 14 p. : ill. *Bilingual.* CSI 56101.001

MICROLOG 90-03360 1 fiche

Annual report of the Authority, giving an overview of the year's activity, strategies of forest management in the park, results of operations, logging operations, sales, and product distribution. A financial statement is included.

FO ON PR SC

### An Algorithm for automated surface modelling in unigraphics

by D. Hidson. Ottawa : Defence Research Establishment Ottawa, 1990. vii, 25 p. : ill. *Bibliogr.* (Technical note ; no. 90-6) MICROLOG 90-05236 1 fiche

Remote laser scanning of complex 3-D geometry can generate data sets with large numbers of points. This paper describes how these data are read into a CAD/CAM database (Unigraphics). A program is written in Graphics Interactive programming language (a subset of Unigraphics) that edits the data files, generates points, spline curve and surface entities in Unigraphics and stores the created models and parts in the databases. Programs for data sampling and editing are also shown separately.

CA PS SC

### Alimentation, hôtellerie, restauration : cuisine d'établissement : étude préliminaire

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 5 p. ISBN 2-550-14788-X MICROLOG 90-04259 1 fiche

Le document d'orientation pour le développement du secteur Alimentation, hôtellerie et restauration trace le portrait de ce secteur. Il a pour but d'établir la pertinence, d'élaborer, et de réviser le programme de formation professionnelle. De plus, il permet de définir les besoins de formation, de cerner la clientèle cible et de préciser la situation de travail dont il est question. Il a pour but également de consulter les études déjà réalisées, de répertorier le document disponible, d'anticiper les effets de l'implantation du programme et d'arrêter une planification des productions à venir.

ED LA PR QU

### Alimentation, hôtellerie, restauration : pâtisserie : étude préliminaire

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 5 p. ISBN 2-550-14786-3 MICROLOG 90-02474 1 fiche

Les études préliminaires ont pour but d'établir la pertinence d'élaborer ou de réviser un programme de formation professionnelle. Elles permettent de définir les besoins de formation, de cerner la clientèle cible et de préciser la situation de travail dont il est question dans ce document: la pâtisserie. Elles permettent également de consulter les études déjà réalisées, de répertorier la documentation disponible, d'anticiper les effets de l'implantation du programme et d'arrêter une planification des productions à venir.

LA PR QU

### Alimentation, hôtellerie, restauration : services de la restauration : étude préliminaire

Québec : Ministère de l'éducation, Direction de la formation professionnelle, 1989. 5 p. ISBN 2-550-14787-1 MICROLOG 90-01881 1 fiche

Ce document d'orientation pour le développement du secteur 'Alimentation, hôtellerie et restauration' trace un portrait de ce secteur. On y constate que chacun des métiers de base a sensiblement évolué au cours de la dernière décennie. Toutefois, il ne s'agit pas d'une évolution technologique mais d'une évolution de la nature même de ces métiers. Au même titre que le programme Cuisine d'établissement, le programme Services de la restauration est un important programme du secteur. Cette étude préliminaire a pour but de valider l'hypothèse formulée dans le document d'orientation selon laquelle il serait souhaitable d'élaborer un nouveau programme d'une durée de 900 heures.

CO ED PR QU

### Alkali activated ground granulated blast-furnace slag concrete : preliminary investigation

by E. Douglas...et al. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. ii, 11 p. *Bibliogr.* (Report ; MSL 89-135(IR)) MICROLOG 90-02558 1 fiche

Ground granulated blast-furnace slags possess some hydraulic properties; therefore when slag mortars are made according to current standards, strength development occurs but at a lower rate than in portland cement mortars. It has been established that ground granulated blast-furnace slag mortars and concretes can be activated with alkaline reagents (NaOH, Ca(OH)<sub>2</sub>, sodium or potassium silicates), yielding compressive strengths comparable to or higher than those made with portland cement alone. This opens the possibility of formulating slag concretes without portland cement and possibly with improved properties such as higher resistance to chemical attack. This preliminary study presents the proportioning and the properties of 5 slag concrete mixtures activated with sodium silicate

● CA CM NR PS SC

### Alkaline ultrabasic rocks in British Columbia : carbonatites, nepheline syenites, kimberlites, ultramafic lamprophyres and related rocks : a contribution to the Canada-British Columbia Mineral Development Agreement, 1985-90

by J. Pell. Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1987. 109 p. : ill., maps. *Bibliogr.* (Open file ; 1987-17) ISSN 0835-3530 ISBN 0-7718-8587-3 MICROLOG 90-01267 2 fiche

A previously poorly documented alkaline igneous province is present in the eastern Canadian Cordillera. It comprises carbonatites, apatitic nepheline and sodalite syenites, some ijolite series rocks, one kimberlite locality and numerous ultramafic and lamprophyric diatreme breccias, all of which intruded the Cordilleran miogeoclinal succession prior to the deformation and metamorphism associated with the Jura-Cretaceous Columbia orogeny. This report describes these occurrences

● BC CA NR SC

### Alkaline-earth and rare-earth doped lead titanates

by A. Ahmad...et al. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. 20 p. : ill. *Bibliogr.* (Report ; MSL 89-131(IR)) MICROLOG 90-06183 1 fiche

The attrition milling process was used to synthesize precursor powders of 4 different



lead titanate based ceramics. Both the alkaline earth and rare earth materials are used as major dopants to modify the lead titanate composition. The report also discusses the influence of dopants and powder processing parameters on the surface area, phase composition, sintering and microstructural properties.  
• CA CM NR PS SC

### All Alberta Study (including The Edmonton Area Study) : sampling report

by C. Kinzel. Edmonton : University of Alberta, Dept. of Sociology, Population Research Laboratory, 1989. 14 p. (Edmonton area series report ; no. 65) *CSI 99241 001*. ISSN 0703-8763  
MICROLOG 90-06449 1 fiche

The 1989 All Alberta Study is a random sample survey of households in the province. This report describes the sampling design, data collection methods, and weighting technique used in the Study. It also presents a brief demographic profile of the sample and a description of the data collection statistics from 1987 to 1989  
AL BS PR

### All things considered : forest management in British Columbia

Victoria : Ministry of Forests, 1990. 82 p. : ill. Bibliogr. ISBN 0-7726-1063-0  
MICROLOG 90-05039 1 fiche

Introduction to the range of B.C. forest management practices and activities and to some of the research related to them. The publication gives information on seeding, growing and harvesting forest stands, managing of fisheries, ranges and wilderness for recreation and harvesting, and integrating resource uses.  
BC FO PR SC

### Alley Farming in the Humid and Subhumid Tropics : proceedings

editors B.T. Kang and L. Reynolds. Ottawa : International Development Research Centre, 1989. x, 251 p. : ill. Bibliogr. (Proceedings series ; IDRC-271e) ISBN 0-88936-540-7  
MICROLOG 90-01190 3 fiche (Available on fiche only)

An urgent challenge facing scientists working on upland food-crop production in many parts of the humid and subhumid African tropics is the need to find viable, sustainable, and environmentally sound alternatives to the ancient shifting cultivation and bush-fallow, slash-and-burn cultivation systems. As a food cropping and livestock-production technology, alley farming requires a low level of inputs and helps conserve soil resources while sustaining long-term farm productivity. This book reviews the present state of alley farming research and its application, discusses the use of woody species in tropical farming systems, highlights training and research needs, and proposes the establishment of channels for collaborative research  
AG CA EX SC

### Alloys of titanium and refractory compounds

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1971. i, 15 p. : ill. Bibliogr. (Report ; PM-M 71-15)  
MICROLOG 90-04513 1 fiche

Previous work has shown that it is possible to produce arc melted zirconium alloys containing finely dispersed refractory compounds. Certain oxide refractories dissolve in molten zirconium during arc melting and subsequently precipitate as a dispersed phase on cooling. In this investigation, the possibility of dispersion strengthening titanium by this method was

examined. Thorium oxide (ThO<sub>2</sub>) and cerium zirconate (Ce<sub>2</sub>O<sub>3</sub>.2ZrO<sub>2</sub>) additions were made to titanium and to 2 high-temperature titanium alloys. Attempts to incorporate yttrium oxide (Y<sub>2</sub>O<sub>3</sub>) by this technique were not successful.  
• CA CM NR PS SC

### Alonsa Conservation District management plan

Alonsa Conservation District Board. Winnipeg : Manitoba Rural Development, Conservation Districts Authority, 1989. 25 p. : ill. MICROLOG 90-02365 1 fiche

Resource management plan, covering water and soil management, fisheries, wildlife, recreation and tourism, heritage resources, conservation education, administration, and the planning process. Expenditures and revenues are projected for the next 5 years (1989-93).  
CU MS PR

### Alpha-particle activity associated with long-lived radioactive dust samples from an underground uranium mine

by J. Bigu. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. iv, 34 p. : ill. Bibliogr. (Report ; MRL 90-31(TR))  
MICROLOG 90-06005 1 fiche

Measurements of alpha particle activity associated with long-lived radioactive dust samples from an underground uranium mine. The alpha-particle activity measured on mine air samples is related to the amount of silica dust collected on the samples, determined by X-ray diffraction analysis and plotted against silica dust content in the samples.  
• CA CM NR PS SC

### L'Alphabétisation et l'éducation de base au Québec : une mission à assumer solidairement

Conseil supérieur de l'éducation ; avis aux Ministre de l'éducation, et Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : le Conseil, 1990. 64 p. Bibliogr. ISBN 2-550-15214-X  
MICROLOG 90-05427 1 fiche

Ici comme ailleurs, l'éducation est un outil essentiel au plein épanouissement des personnes, à leur autonomie et à leur dignité. Cet avis cherche à cerner ce que recouvre ce phénomène de l'analphabétisme au Québec, montre que le défi majeur à relever est celui d'une éducation de base pour tous; et, propose les voies d'une action concertée et efficace visant à enrayer, à sa source et dans ses effets, ce phénomène dont il importe de comprendre qu'il recoupe des situations diverses qu'on rassemble généralement sous le terme analphabétisme.  
ED PR QU SA

### Alphabetisation Nouveau-Brunswick : guide pratique à l'intention des tuteurs

redigé par Gracia Couturier. Fredericton : Ministère de l'enseignement supérieur et de la formation, Direction de l'élaboration et de l'évaluation des programmes, 1988. 79 p. : ill. Bibliogr.  
MICROLOG 90-00980 1 fiche

Le ministère de l'Enseignement supérieur et de la formation du Nouveau-Brunswick a pris conscience du problème de l'analphabétisme dans cette province et tente depuis quelques années d'établir un programme pour enseigner la lecture et l'écriture aux personnes analphabètes. Ce guide pratique d'alphabetisation pour le tuteur porte particulièrement sur les objectifs à atteindre, sur l'apprenant et le tuteur, et sur les méthodes et techniques suggérées.  
AP ED PR SA

### Alternative electrical energy systems : a comparison of the risks of occupational and public fatalities

Canada. Advisory Committee on Nuclear Safety. Ottawa : The Committee, 1989. xx, 72 p. : ill. Bibliogr.  
MICROLOG 90-01129 2 fiche

The occupational and public health risks of different electrical energy production systems have been the subject of many studies in recent years. The Committee decided that an evaluation of these studies would be useful in judging the risks of nuclear-electric energy in the broader context of the risks of electrical energy from other sources. This report concentrates on the comparative risks of large coal, nuclear and hydraulic plants. Brief summaries of risk estimates for oil- and gas-fired electric power plants are appended. The report deals mainly with the risks of fatalities, whether by accident or disease, arising from normal operation but includes a discussion of the risks of catastrophic accidents. A literature search was conducted for objective critical evaluations or recent risk studies of electrical energy systems, 3 of which are used as the basis for this report. The report first describes and summarizes international data, then describes risk estimates for the Canadian situation.  
CA EN LA SC

### Alternative fuels

St. John's : Dept. of Mines and Energy, 1989. 2 p. : ill. (Energain)  
MICROLOG 90-03791 1 fiche

Short summary of projects using alternative fuels, including the use of waste wood to heat a greenhouse, the use of a heat storage Finnish fireplace in a residence, the use of chicken litter and the use of fish oil for heating, and the viability of propane-fuelled vehicles in Newfoundland.  
AP EN PR SC

### Alternative methods of funding for education : a report

prepared for the Task Force on Reassessment in Metropolitan Toronto ; by Douglas Auld and Dept. of Economics, Trent University. Toronto : The Task Force, 1989. xiv, 84 p. Bibliogr.  
MICROLOG 90-04890 2 fiche

This report identifies and evaluates alternative methods of funding for education, particularly those which would remove the education component from the property tax base; analyzes the effect of pooling the commercial assessment across the province of Ontario, emphasizing the impact on residential taxpayers of Metro Toronto, analyzes the effect of coterminous pooling of corporate assessment within Metro Toronto; discusses the principles and financial order of magnitude on which each alternative is based; presents the advantages and disadvantages of each, along with the identified and/or the potential impacts on municipal taxpayers or groups, and identifies the experience in other jurisdictions of the alternatives where appropriate.  
CI ED MU ON

### Alternative peeling method for shrimps : Kroborg peeling machine and peeling of raw shrimps

by H. Viggosson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 50 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences, no. 5451) Originally published in Norwegian, by Fiskeriteknologisk Forskningsinstitutt at Tromsø, Norway. ISSN 0704-3716  
MICROLOG 90-00581 1 fiche

When compared with filleting plants, shrimp plants have a very small spectrum of products. It is therefore desirable to investigate whether alternative products could be manufactured with



deepwater shrimp (prawn) and whether this might result in increased profitability. The principle on which peeling machines used in Norway are based was developed before World War II in the U.S. Originally the machines were developed to peel raw shrimps, with a cooking unit added later. This report investigates the possibilities for peeling of raw shrimps with a conventional peeling machine, or using a Kronberg peeling machine to peel shrimp cooked at sea, fresh ice-covered shrimps (landed raw) and thawed shrimps frozen at sea.

• CA CF FI SC

#### Aluminum-silicon alloys produced by powder metallurgy methods

by H.M. Skelly and C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1967. i, 10 p. : ill. (Report ; PM-M 67-24)  
MICROLOG 90-04650 1 fiche

Description of powder metallurgy techniques used to prepare aluminum-silicon alloys containing up to 45% silicon in which the primary silicon is refined to a degree not previously accomplished. Three hypereutectic aluminum-silicon alloy powders with nominal silicon contents of 25%, 35% and 45% were made. Alloy melts were prepared by conventional means, first treated with phosphorus and magnesium. The powders were consolidated by cold compacting at 60,000 psi and then hot pressed at 700F with the same pressure; or isostatically cold compacted at 10,000 psi to give compacts of 1 15/16 inches diameter. The compacts were then hot pressed, using 750F and 38,000 psi, 1020F and 38,000 psi, and 1020F and 81,000 psi. pr

• CA CM NR PS SC

#### Aluminum-silicon powder metallurgy alloys

by H.M. Skelly and C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1970. i, 10 p. (Report ; PM-M 70-21)  
MICROLOG 90-04512 1 fiche

Previous work has shown that refined hypereutectic aluminum-silicon alloys containing up to 45% Si can be produced by powder metallurgy techniques. Pre-alloyed powders, produced by atomizing molten alloys to which phosphorus and magnesium were added as nucleating catalysts were consolidated by cold pressing, followed by hot pressing and then extruding. This investigation examines the possibility of producing hypereutectic aluminum-silicon powder metallurgy alloys with a fine dispersion of primary silicon without addition of nucleating catalysts. The feasibility of consolidating the resulting powders by hot pressing alone is also investigated and the effect of alloying additions of copper and magnesium on the properties of the Al-35% Si composition is determined.

• CA CM NR PS SC

#### Aluminum-tin alloys produced by powder metallurgy

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1973. i, 10 p. : ill. Bibliogr. (Report ; PM-M 73-9)  
MICROLOG 90-04665 1 fiche

Aluminum alloys containing 20% and 30% Sn with 1% and 3% Cu are attractive for use as bearing materials to replace white metal alloys (tin-base and lead-base) and are being used extensively in the automotive industry as liners for main and connecting rod bearings. A problem in casting aluminum-tin alloys is that a deterioration in mechanical properties occurs when the tin content is increased above 10%.

An alternate method of producing aluminum high-tin alloys with a finely dispersed tin phase is by powder metallurgy (P/M) techniques using pre-alloyed atomized powder. This work examined the feasibility of producing aluminum-tin bearing alloys by the P/M route. Tensile, fatigue and hardness tests are used to compare the P/M alloys with the cast material.

• CA CM NR PS SC

#### Aluminum-tin bearing alloys by powder metallurgy methods

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1971. i, 10 p. : ill. Bibliogr. (Report ; PM-R 71-11)  
MICROLOG 90-04516 1 fiche

Aluminum alloys containing 20%-30% Sn with 1% and 3% Cu are attractive for use as bearing material to replace white metal alloys (tin-base and lead-base) and are used by the automobile industry in the U.S. and Great Britain. A problem in casting aluminum-tin alloys is that a deterioration in mechanical properties occurs when the tin content is increased above 10%. A possible alternate method of producing aluminum-high-tin alloys with a finely dispersed tin phase is by powder metallurgy techniques using pre-alloyed atomized powder. The rapid cooling during atomization should result in a fine distribution of the tin phase. This investigation examines the feasibility and merits of the method.

• CA CM NR PS SC

#### Ambient water quality criteria for mercury

Victoria : Ministry of Environment, Water Management Branch, 1989. 11 p.  
MICROLOG 90-01772 1 fiche

One of a series of reports establishing ambient water quality criteria for B.C. This report sets criteria for mercury to protect drinking water, freshwater and marine aquatic life, wildlife, livestock, irrigation, and recreation. A major use of the criteria is to set ambient water quality objectives, used in the preparation of waste management permits, orders or approvals, which are the only documents to have legal standing.

BC CI EV PR SC

#### L'Amélioration de la santé et de la sécurité dans le secteur des pâtes et papiers : rapport

Enquête provinciale sur la santé et la sécurité des travailleurs dans le secteur des pâtes et papiers (Ont.). Toronto : Ministère du travail, 1990. 104 p. : ill. *L'éd. anglaise (Improving health and safety...)* : 90-06759/2.  
CSI 55114.202F  
MICROLOG 90-06758 2 fiche

Ce document met en évidence les besoins en matière de santé et de sécurité des travailleurs dans le secteur des pâtes et papiers et élabore un plan d'action particulier par secteur afin de répondre à ces besoins. Le document porte particulièrement sur les aspects suivants la base de données communément acceptées sur les accidents; la formation, la recherche appliquée à la santé et à la sécurité; les normes de sécurité qui concernent l'entretien préventif et les procédures d'exploitation; les systèmes d'identification des risques dans le secteur; le rôle, les responsabilités et l'efficacité des comités mixtes de santé et sécurité; les initiatives de réglementation; et, le rôle du MDT et les procédures d'inspection.

FO HE LA ON PR ST

#### Améliorations aux modèles d'informetrica relativement aux prévisions du nombre de salariés : rapport final

Informetrica Limited. Ottawa : Emploi et immigration Canada, 1986. 179 p. (SPPC :

rapport de consultant) *L'éd. anglaise (Employment enhancements...)* : 90-00801/2.  
MICROLOG 90-00802 2 fiche

Ce rapport est un résumé de l'élaboration des données et des estimations des équations et traite des résultats de la mise à l'essai préliminaire du modèle. Il décrit les concepts qui sous-tendent la banque de données E/S ayant servi à l'établissement des estimations nationales; contient un résumé des extensions apportées au modèle national; décrit le développement de la banque de données régionale; et fournit un résumé des estimations régionales.

CA LA

#### Améliorer l'éducation scientifique sans compromettre l'orientation des élèves : les sciences de la nature et la mathématique au deuxième cycle du secondaire

avis au Ministre de l'éducation et Ministre de l'enseignement supérieur et de la science. Québec : Conseil supérieur de l'éducation, 1989. 51 p. Bibliogr. ISBN 2-550-14929-7  
MICROLOG 90-01161 1 fiche

Cet avis analyse la proposition ministérielle du point de vue de la répartition des matières, du point de vue de la marge de manœuvre laissée à l'organisation scolaire, du point de vue de la sanction des études et du point de vue des préalables. En outre, on rappelle les enjeux importants contenus dans la mise en oeuvre d'un régime pédagogique comme dans les modifications, même d'apparence technique, de ce régime. Enfin, on y indique les clarifications nécessaires à la compréhension de la proposition et les tâches importantes encore à réaliser dans l'aménagement du deuxième cycle du secondaire.

ED PR QU

#### Améliorer la persévérance scolaire dans les écoles secondaires de l'Ontario

par A.J.C. King...et al. Toronto : Ministère de l'éducation, 1988. ix, 117 p. : ill. Bibliogr. (Maintien des élèves à l'école et leur transition) *L'éd. anglaise (Improving student retention...)* : 90-00230/2. ISSN 0839-5047  
ISBN 0-7729-5108-X  
MICROLOG 90-00237 2 fiche

Cette étude met l'accent sur les politiques et les programmes destinés à améliorer les taux de persévérance scolaire dans les écoles secondaires. L'étude comporte quatre parties: une analyse de l'accumulation de crédits de quatre cohortes et les profils de rendement scolaire sur quatre ans dans 16 écoles; un examen de huit programmes exemplaires à l'intention d'élèves qui suivent avant tout des cours de niveau général et fondamental; et, une analyse des influences du travail à temps partiel sur l'abandon scolaire. L'enquête s'est déroulée dans 13 écoles auprès de 4 620 élèves de 11e année et plus, et le sondage par téléphone a été réalisé auprès de 610 décrocheurs de 22 écoles.

ED ON PR

#### L'Aménagement de la Grande Rivière : les autochtones et l'environnement

Québec : Hydro-Québec, 1989. 21 p. *L'éd. anglaise (James Bay : development...)* sur la même fiche  
MICROLOG 90-06110 1 fiche

En 1971, l'annonce du gouvernement du Québec de son intention d'aménager certains bassins hydrauliques de la Baie James a déclenché un processus qui a conduit au règlement de réclamations territoriales des peuples autochtones datant du début du siècle. C'est ainsi que les Inuit et les Cris du Québec



ont obtenu la reconnaissance explicite de leurs droits tant par la législation québécoise que canadienne, et gagner de ce fait une autonomie et une administration propre. Les deux paliers de gouvernement ont aussi délégué leurs responsabilités à l'égard des Autochtones. Ce document se penche sur cette question et examine particulièrement le contexte et les impacts de l'aménagement de la Grande Rivière.  
EN EV NP PR QU SC

### L'Aménagement du territoire et le développement durable au Canada

par N. Richardson. Ottawa : Conseil consultatif canadien de l'environnement, 1989. v, 57 p. : ill. Bibliogr. ISBN 0-662-95481-5  
MICROLOG 90-01151 1 fiche

L'objectif de ce rapport est de faire comprendre comment des modes d'aménagement du territoire respectueux de l'environnement peuvent enrichir les stratégies de conservation municipales, provinciales et fédérales, au profit du développement durable. Le document porte sur les points suivants: une perspective générale de l'aménagement du territoire au Canada; quelques exemples d'aménagement du territoire au Canada, et l'aménagement du territoire dans d'autres pays.  
• CA EV SC

### L'Aménagement du territoire et ses impacts financiers et fiscaux pour la municipalité

Québec : Gouvernement du Québec, Ministère des affaires municipales, 1989. 26 p. (Aménagement et urbanisme) ISBN 2-550-19561-2  
MICROLOG 90-02188 1 fiche

En matière d'aménagement du territoire comme dans ses autres champs d'activités, chaque municipalité doit régulièrement faire des choix pour satisfaire des besoins, à partir de ressources limitées. Parmi les outils d'aide à la décision qui leur sont disponibles, l'évaluation des impacts financiers et fiscaux permet d'analyser les projets privés et publics d'aménagement et d'identifier ceux qui contribuent le mieux aux objectifs, compte tenu des politiques financières et fiscales adoptées localement. Ce document comporte trois parties: une présentation générale du contenu et des applications de l'évaluation d'impacts financiers et fiscaux, un exemple illustrant le jeu des variables de cet outil de gestion et un guide facilitant la compréhension de l'exemple, étape par étape  
CO MU PA PL PR QU

### Aménagement du territoire pour le logement : déclaration de principes du gouvernement de l'Ontario, conformément à l'article 3 de la Loi de 1983 sur l'aménagement du territoire

Toronto : Ministère du logement ; Ministère des affaires municipales, 1989. 14, 13 p. *Bilingue (Land use planning)*. En tête du titre: *La loi sur l'aménagement du territoire : déclaration de principes*  
MICROLOG 90-05006 1 fiche

Cette déclaration de principes examine le rapport qui existe entre le logement et le processus de planification de l'utilisation du sol. Pour atteindre les objectifs visés en matière de logement, la déclaration de principes traite des questions suivantes: la disponibilité de terrains destinés à l'exploitation résidentielle; le processus d'autorisation de l'utilisation du sol; les normes en matière d'utilisation du sol qui régissent la gamme des catégories de logements offerts, et l'utilisation efficace des immeubles existants et des terrains déjà exploités afin d'offrir des logements neufs.  
ON PL PR SA SC

### L'Aménagement forestier au Canada -- Rev.

par J.-P. Amyot. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 15 p. Bibliogr. (Bulletin d'actualité ; 87-1F) *L'éd. anglaise (Forest management...)* sur la même fiche. ISBN 0-660-92786-1  
MICROLOG 90-03016 1 fiche

Le Canada est à une croisée de chemins dans le domaine de la gestion de ses forêts. Ayant longtemps souffert de grandes lacunes au niveau du reboisement et de la mise en oeuvre de pratiques sylvicoles appropriées, les forêts du pays ne suffisent plus à satisfaire à la demande croissante de leurs utilisateurs. Surtout abordés sous un angle économique, le débat actuel entourant l'aménagement des forêts vise à dégager des objectifs et des stratégies qui auront résulté d'une réflexion concertée de tous les usagers. Comme le soutient le troisième objectif de la Stratégie mondiale de la conservation, il faut plus que jamais veiller à la pérennité de l'utilisation des espèces et des écosystèmes. Ce document fait état des changements et des faits nouveaux qui se produisent en ce qui concerne la gestion des forêts et l'aménagement forestier par le gouvernement canadien.  
CA FO SC

### Amending the CSIS Act : proposals for the Special Committee of the House of Commons, 1989

Security Intelligence Review Committee (Canada). Ottawa : The Committee, 1989. v, 20, v, 22 p. *Bilingue (Modifications à la Loi...)*. ISBN 0-662-56970-9  
MICROLOG 90-03316 1 fiche

Discusses overcoming isolation, grievance procedures, warrants, cabinet decisions, 'whistleblowers', complaints hearings, security clearances, the effect of Committee Recommendations about Complaints, access to information and privacy, the framework of accountability, foreign intelligence, release of information, human sources, and committee reports and statements.  
CA EX JU

### Amendment to the Municipal Development Plan and the Land Use Bylaw : outdoor storage

Halifax : Halifax Planning Dept., 1989. 38 p.  
MICROLOG 90-03403 1 fiche

This report deals with junk yards and vehicle compounds for wrecked and towed automobiles. It provides discussion of the matter and offers recommendations.  
AP MU PL

### Amendments to the Real Estate Act and the Mortgage Brokers Act : discussion paper

Victoria : Ministry of Finance and Corporate Relations, 1990. 24 p.  
MICROLOG 90-02664 1 fiche

This discussion paper sets out proposed changes to the Acts. It examines broad policy questions and proposes changes to the administration and licensing requirement of the Real Estate Act. It then presents the amendments to the Mortgage Brokers Act.  
BC CO PR

### American ginseng culture in the arid climates of British Columbia

by A. Oliver, B. Van Lierop and A. Buonassisi. Victoria : Ministry of Agriculture and Fisheries, 1990. 37 p. : ill. Bibliogr. ISBN 0-7726-1073-8  
MICROLOG 90-05024 1 fiche

Factsheet providing basic information required to grow ginseng to a harvestable stage. Information is given on the characteristics of the plant, site selection and soil preparation, climate modifications, varieties and seed

sources, seeding and fertilizing, water requirements and quality, diseases and pests, harvesting, and marketing.  
AG BC PR SC

### American retail trade : buyers demands on suppliers of seafood

by B.A. Hanssen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 111 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5487) *Originally published in Norwegian, by the Institute of Fishery Technology, at Tromsø, Norway.* ISSN 0704-3716  
MICROLOG 90-01683 2 fiche

Discussion of the American retail trade, focusing on the demands placed on suppliers of seafood products by the purchasing arm of the trade. The report documents the results of a study in which the purchasing managers in a selection of supermarket chains were interviewed from October-December 1988, to clarify the demands and evaluation criteria of the buyers to adjust Norwegian supplies of seafood to existing demands.  
• CA CF CO FI SC

### Amérique centrale : le processus de pacification -- Rev.

par M. Rossignol. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 20 p. Bibliogr. (Bulletin d'actualité ; 88-10F) *L'éd. anglaise (Central America : the peace...)* sur la même fiche. ISBN 0-660-92805-1  
MICROLOG 90-03024 1 fiche

Les années de conflits en Amérique Centrale ont endommagé les infrastructures sociales et économiques et radicalisé les gouvernements et les rebelles. Ainsi, la situation en Amérique centrale risque de préoccuper la communauté internationale pendant de nombreuses années à venir. Le bulletin donne un aperçu des efforts déployés pour assurer la paix en Amérique Centrale et signale la contribution canadienne au cheminement vers la paix.  
CA EX

### Ammoniac

Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. ii, 20 p. Bibliogr. (Fiche toxicologique ; 37) ISSN 0827-8849 ISBN 0-660-92389-0  
MICROLOG 90-00266 1 fiche

L'ammoniac irrite gravement les voies respiratoires, la peau et les yeux. Un contact avec les yeux peut entraîner des lésions oculaires permanentes. L'inhalation de niveaux élevés de gaz peut causer la mort. Ce document aborde les points suivants: les risques principaux; l'exposition en milieu de travail, les dangers pour la santé; les risques d'incendie et d'explosion; la réactivité chimique, les limites d'exposition; la limitation de l'exposition; l'entreposage et la manutention, les premiers soins; la lutte contre l'incendie; et le nettoyage et l'élimination.  
• CA HE LA

### AMO position on controlling industrial discharges to sewers

Toronto : Association of Municipalities of Ontario, 1988. i, 11 p. Bibliogr. (AMO report : report series 1988. 88-11)  
MICROLOG 90-01029 1 fiche (Available on fiche only)

This document reviews the Ministry of the Environment's preferred option on controlling industrial discharges to sewers. It also discusses the proposed sewer use control program, capital costs, current municipal operating expenditures, and public participation.  
CI EV MU ON SC

### AMO response to Bill 174 : the Intervenor Funding Project Act, 1988

Toronto : Association of Municipalities of Ontario, 1988. i, 7 p. Bibliogr. (AMO report : report



series 1988 : 88-13)

MICROLOG 90-01026 1 fiche (Available on fiche only)

This document describes the Bill, and the Association's past position on the question of intervenor funding. It also includes a comparison of the Bill with the Association's past position on this question.  
JU MU ON PA

#### AMO response to draft housing policy statement

Toronto : Association of Municipalities of Ontario, 1989. iv, 46 p. Bibliogr. (AMO report : report series 1989 : 89-3)  
MICROLOG 90-01038 1 fiche (Available on fiche only)

This document presents the Association's support of the objectives of the policy statement, and its concerns relating to the feasibility of achieving these ends through the policies expressed in the statement.  
MU ON SA

#### AMO response to financing growth-related capital needs

Toronto : Association of Municipalities of Ontario, 1989. 21 p. Bibliogr. (AMO report : report series 1989 : 89-2)  
MICROLOG 90-01022 1 fiche (Available on fiche only)

Provides the Association's position on Municipal Lot Levies, School Purpose Lot Levies, affordable housing, and front-end financing.  
CO MU ON

#### AMO response to the report of the Advisory Committee on County Government : patterns for the future

Toronto : Association of Municipalities of Ontario, 1988. 37 p. (AMO report : report series 1988 : 88-5)  
MICROLOG 90-00843 1 fiche (Available on fiche only)

This document covers representation issues, county powers, special purpose bodies, police villages, waste management, and financial issues.  
MU ON PA

#### AMO submission to provincial cabinet

Toronto : Association of Municipalities of Ontario, 1988. 23 p. (AMO report : report series 1988 : 88-4)  
MICROLOG 90-00842 1 fiche (Available on fiche only)

Discusses municipal autonomy and policy change to enhance this autonomy, municipal autonomy and Sunday shopping, changing provincial-municipal relations, and provincial-municipal finance and consultation.  
MU ON PA

#### AMO's response to Rental Housing Protection Act : future directions

Toronto : Association of Municipalities of Ontario, 1988. i, 14 p. (AMO report : report series 1988 : 88-8)  
MICROLOG 90-00844 1 fiche (Available on fiche only)

This document discusses developing general housing principles; alternatives for the future including repealing the Act, prohibiting changes of rental units, and modifying the existing Act, and unresolved concerns including the lack of comprehensive data, and provincial-municipal planning.  
MU ON PA SA

#### Análisis epidemiológico de la frecuencia del envenenamiento agudo en países en desarrollo

editado por Gilles Forget. Ottawa : Centro internacional de investigaciones para el desarrollo, 1989. 67 p. : ill. Bibliogr. (Informe : 219s) French ed. (Evaluation

épidémiologique de l'incidence...) : 90-00273/1. English ed. (Epidemiologic assessment of acute...) : 90-00249/1

MICROLOG 90-00331 1 fiche (Available on fiche only)

Abstract unavailable for this document.  
CA EX HE LS SC

#### L'Analphabétisme au Canada

par H. McKenzie. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. 34 p. Bibliogr. (Etude générale : BP-189F) L'éd. anglaise (Illiteracy in Canada) sur la même fiche. ISBN 0-660-92694-6  
MICROLOG 90-01913 1 fiche

Un degré d'alphabétisation élevé est l'une des caractéristiques des sociétés modernes et civilisées parmi lesquelles on range habituellement le Canada et dans lesquelles la scolarité gratuite et obligatoire des enfants est depuis longtemps la norme. Ces dernières années, cependant, des doutes troublants sont venus ébranler les certitudes de naguère concernant le niveau d'alphabétisation au Canada. Si l'on veut évaluer l'étendue et les conséquences de l'analphabétisme, il faut commencer par définir clairement le problème, et c'est ce que ce document entend faire.  
CA SA

#### Analyse actuarielle du Régime de rentes du Québec en date du 31 décembre 1988

Québec : Régie des rentes du Québec, 1989. 111 p. : ill. CSI 67176.004. ISBN 2-550-19849-2  
MICROLOG 90-01382 2 fiche

L'analyse actuarielle vise essentiellement à projeter les entrées de fonds et les sorties de fonds du Régime. Les entrées de fonds sont constituées des cotisations et des revenus de placement, alors que les sorties de fonds incluent les prestations et les frais d'administration. L'analyse traite des principales hypothèses d'évaluation et des résultats obtenus. Par la suite, cinq annexes présentent un sommaire de la loi, une description détaillée des hypothèses et de la méthode, certains tests de sensibilités des résultats, une analyse d'expérience et une projection des entrées et des sorties de fonds du Régime découlant du maintien du taux de cotisation de 4,6% à partir de 1992.  
CO PA PR QU ST

#### Analyse de l'industrie de la construction au Québec en 1988

Québec : Commission de la construction du Québec, Service recherche et organisation, 1989. 96 p. CSI 67148.003. ISSN 0317-5901 ISBN 2-551-08480-6  
MICROLOG 90-01305 2 fiche

L'analyse de ces informations permet de tracer un portrait de l'activité sur les chantiers et de la population qui y oeuvre. Ainsi, les données contenues dans ce document posent un diagnostic sur l'état général de l'industrie de la construction en 1988, dans l'ensemble du Québec et chacune des régions. Il présente d'abord les principaux indicateurs économiques de l'industrie ainsi que les faits saillants survenus au cours de 1988 en matière de relations du travail; il étudie les principales caractéristiques des employeurs; et, se penche sur la question des salariés assujettis au Décret de la construction. Finalement, les quatre annexes qui complètent ce document fournissent, non seulement certaines définitions nécessaires à son interprétation, mais aussi près de quarante (40) tableaux statistiques complémentaires à ceux inclus dans le texte.  
PL PR QU SC ST

#### Analyse de l'offre et de la demande en personnel infirmier au Canada

préparé par Section des études sur les professions et des relations avec les

programmes, Système de projections des professions au Canada, Emploi et Immigration Canada. Ottawa : Emploi et Immigration Canada, 1988. x, 95 p. : ill. Bibliogr. (SPPC : études sur les professions : WH-3-762F) L'éd. anglaise (An Analysis of the...) : 90-00695/2  
MICROLOG 90-00696 2 fiche

La situation des infirmiers(res) sur le marché du travail est bien différente de celle des membres d'autres professions. Ce document fait la lumière sur le sujet et porte particulièrement sur le fonctionnement du marché du travail en ce qui a trait aux infirmières et son évolution probable, notamment le contexte général de la prestation de soins infirmiers, les conséquences de diverse contraintes auxquelles est soumis le marché de l'offre et de la demande dans cette profession, ainsi que, par ricochet, le degré d'équilibre atteint présentement et celui que l'on prévoit pour les années à venir.  
CA HE LA

#### Analyse des comptabilités agricoles des fermes laitières des syndicats de gestion, 1986

par B. Amyot. Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, Direction générale de l'économie, Direction de l'économie de la production, 1989. 213 p. : ill. (Gestion de ferme) ISBN 2-551-12175-2  
MICROLOG 90-04978 3 fiche

Cette publication a pour objectif de présenter dans un cadre analytique les principales données provenant de comptabilités d'agriculteurs, membres des syndicats de gestion. La collecte et la validité des données sont assurées par les conseillers en gestion des syndicats. En plus des données pertinentes à la production laitière, on retrouve dans ce document une analyse de chacun des tableaux présentés.  
AG PR QU SC

#### Analyse descriptive de trois composantes du transport aérien de troisième niveau au Québec : les transporteurs, les pilotes et les mécaniciens d'entretien d'aéronefs

par R. Plourde. Québec : Gouvernement du Québec, Ministère des transports, 1987. xiii, 146 p. Bibliogr. (Etudes et recherches en transports) (Systèmes de transport) ISBN 2-550-18988-4  
MICROLOG 90-01783 2 fiche

Cette analyse présente les principaux résultats d'un sondage en ce qui concerne le secteur du transport aérien de troisième niveau. La première partie est consacrée à l'analyse des réponses obtenues des transporteurs aériens. Le rapport décrit et analyse le profil technique des entreprises et la nature des activités, le chiffre d'affaires des entreprises et le profil personnel et professionnel de la main-d'oeuvre. Le rapport étudie également les écoles de pilotage. Finalement, l'analyse s'attarde aux réponses obtenues des pilotes et des mécaniciens d'entretien d'aéronefs.  
PR QU SC TR

#### Analyses of selected physical and chemical characteristics of Dauphin Lake, Manitoba

by J.A. Babaluk and M.K. Friesen. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region. 1990. iv, 48 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences : no. 2081) This is the 16th manuscript report from the Central and Arctic Region, Winnipeg ISSN 0706-6473  
MICROLOG 90-06734 1 fiche

In 1982, a cooperative fisheries rehabilitation research program was initiated on Dauphin Lake by the federal and provincial governments to develop and test new biological and



hydrological techniques for the rehabilitation of fisheries in the fresh waters of Canada. Emphasis was on the rehabilitation of the walleye. Collection of baseline data included surveys of some physical and chemical characteristics of the lake. This report presents and discusses the findings of the 1982 water sampling survey and compares some Dauphin Lake data with data from the south basin of Lake Manitoba and Lake Winnipeg. Data and analysis of Dauphin Lake sediments collected during 1983 and 1984 are also presented and discussed.  
• CA CF MS PS SC

#### Analyses risques-avantages et qualité de vie des médicaments prescrits

par G. Torrance...et al. Ottawa : Santé et bien-être social Canada, 1990. viii, 55, viii, 53 p. : ill. Bibliogr. *Bilingue (Risk-benefit and quality-of-life...)*. ISBN 0-660-55555-7  
MICROLOG 90-05875 2 fiche

Le contenu du rapport est organisé de la façon suivante. Premièrement, un algorithme théorique, la boucle itérative de l'évaluation d'un médicament, est utilisé pour décrire les problèmes qui entourent l'évaluation des médicaments, ainsi que le mandat de la Direction générale de la DGPS et l'étendue du présent rapport. Suit une étude de l'innocuité et de l'efficacité d'avantages et d'analyses risques-avantages, puis des techniques de mesure de la qualité de vie récemment mises au point. Pour finir, est étudiée l'application de la méthode de l'utilité par la mesure de la qualité de vie en relation avec la santé, comme méthode pouvant aider à établir le bilan risques - avantages, cette méthode est illustrée par l'exemple de l'essai clinique d'un sel d'or oral (auranofine) destiné aux patients arthritiques.  
CA HE

#### Analysis and interpretation of Assiniboine River sediment station data

by P.E. Ashmore. Winnipeg : Environment Canada, Inland Waters Directorate, Water Resources Branch, Western and Northern Region, 1990. xvi, 193 p. : ill. Bibliogr.  
MICROLOG 90-06748 3 fiche

This report summarizes and analyses the existing sediment data for the Assiniboine River and evaluates the Water Resources Branch (WRB) sediment program on the river. The report assesses the existing sediment database for the 6 WRB stations on the river and sediment data from Water Quality Branch; investigates the sediment yield and routing of suspended sediment through the stream system, including identification of major sediment sources, evaluates other databases for information of use in interpreting the suspended sediment regime of the river, particularly hydrology, land use, soils, surficial geology and geomorphology; and evaluates the existing WRB sediment monitoring activities in the river basin and recommends changes.  
CA EV MS PS SC

#### Analysis of a sample of mine run slack coal from Luscar Coals Limited

by J. Visman. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1958. 7 p. (Report ; TM 116/58-PREP)  
MICROLOG 90-04540 1 fiche

Results of float-sink tests, chemical analysis, coking tests and visual tests of a split sample of mine-run coal from the Luscar strip mine in Alberta.  
• AL CA CM NR PS SC

#### Analysis of diurnal vertical migrations of fish

by V.N. Melnikov, K.P. Grudov and A. Bitumba. Ottawa : National Research Council, Canada Institute for Scientific and Technical

Information, 1988. 10 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5421) Originally published in Russian, in the U.S.S.R.. ISSN 0704-3716  
MICROLOG 90-01525 1 fiche

During certain periods of the annual cycle, pelagic fishes perform vertical migrations during which the fish remain within a certain light intensity range. This paper discusses the efficiency of a mathematical model developed to describe this vertical migration and the nature and extent of the effect of various biotic and abiotic factors.  
• CA CF FI SC

#### Analysis of ensiled fish

by B. Boe. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 2 p. (Canadian translation of fisheries and aquatic sciences ; no. 5372) Originally published in Norwegian, by the Directorate of Fisheries, at Bergen, Norway. ISSN 0704-3716  
MICROLOG 90-01500 1 fiche

In silage production, it is useful to determine the composition of the silage with regard to fish species and quantities. This is difficult and therefore a preliminary survey of the possibilities was carried out. Solid components such as bones and otoliths were studied, and proteins and fats were analyzed. The results of the fatty acid analyses are presented in this report.  
• CA CF FI SC

#### An Analysis of flow data from Sentinel Creek, British Columbia, part 1

by S. Fogarasi and O. Mokievsky-Zubok. Saskatoon, Sask. : Environment Canada, Surface Water Division, National Hydrology Research Institute, 1986. 43 p. : ill. Bibliogr. (NHRI contribution ; no. 87012) ISSN 0838-1992  
MICROLOG 90-05376 1 fiche

In 1964, the Government of Canada identified 5 glacier basins in western Canada for intensive study during the 10 years of the International Hydrological Decade. Initial studies of the hydrological data collected at Sentinel Glacier indicated that the length of record was insufficient for frequency analysis. This report presents an analysis and assessment of Sentinel Glacier run-off data collected over 18 years. Although the record is still too short to provide conclusive results, plotting positions, empirical probabilities, return periods and ranked flows were calculated and missing values were estimated using elementary statistical methods. The log Pearson type III test and the Wakeby distribution test were used for descriptions of the annual maxima of daily flows.  
BC CA NR PS SC

#### Analysis of gossans, exploration guides, and economic evaluation, Poorfish-Windy Thrust/Fold Belt, Ennadai Lake area, District of Keewatin

by L.B. Aspler. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1989. 43 p. : ill. Bibliogr.  
MICROLOG 90-01961 1 fiche

Mapping in the Poorfish-Windy thrust/fold belt during the 1988 field season was designed to gain a better understanding of the geology of the area in order to pinpoint potential exploration targets, and to actively prospect for economic minerals. This report presents petrographic and geochemical data on gossanous zones encountered and sampled during the course of mapping; suggests guides for future exploration based on these data; and evaluates the economic potential of Proterozoic supracrustal rocks in the District of Keewatin in

general and in the Poorfish-Windy belt in particular.  
CA NO NR PS SC

#### Analysis of marine poisons and the applications

by T. Yasumoto. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 19 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5491) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-01687 1 fiche

Numerous fish and shellfish accumulate poisons produced by bacteria and microalgae, which have in some cases been the cause of food poisoning. There is concern that some of these compounds may, if ingested for a long time below acute levels, lead to toxic conditions of the internal organs or accelerate the occurrence of cancer. Since it is increasingly difficult to use animals to test for toxins, it is therefore urgent to develop quantitative determination methods combining fluorescent reaction and high-speed liquid chromatography (HPLC). This paper presents information on fish and shellfish poisons and provides explanations on typical fluorescence - HPLC analysis methods usable for the analysis of these poisons. Actual examples such as the study of the food chain and the discovery of homologues are also given.  
• CA CF FI LS SC

#### An Analysis of production-related key figures in the Norwegian fishing fleet, 1975-80 -- Rev.

by H. Erstad. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. vi, 171 p. (Canadian translation of fisheries and aquatic sciences ; no. 5262) Originally published in Norwegian, by the Institute of Fishery Technology Research at Norway. ISSN 0704-3716  
MICROLOG 90-02717 2 fiche

Report on the development of productivity in the Norwegian fishing fleet from 1975-80, based on financial statements of the Budget Committee for the Fishing Industry for vessels of 13 m (40 feet) length overall and above. Financial data is based on 1978 NKr values; price indexes were calculated based on average prices from fishery statistics and differentiated according to type of operation; and the wholesale price index, wage statistics and official statistics were used in the deflation calculations. Productivity is measured as catches or processed value per man-week, by type of vessel and year. Value created by a vessel is measured as a percentage of the capital invested in the vessel. The report demonstrates how the capital and labour factors are distributed in the different branches of the Norwegian fishery and how conditions have developed between the two.  
• CA CF CO FI SC

#### Analysis of quality control tests done by the Canadian power utilities on their external dosimetry systems

by G.S. Poirer. Ottawa : Atomic Energy Control Board, 1989. 14 p. (Report ; INFO-0301)  
MICROLOG 90-00457 1 fiche

The Canadian nuclear power utilities (Hydro Quebec, New Brunswick Electric Power Commission, Ontario Hydro) use thermoluminescent dosimetry systems to perform their own external beta/gamma dosimetry. To help ensure that these systems perform satisfactorily, they are subject to routine quality control testing by their parent organizations. This report presents the test results for June 1985-May 1988 as analyzed by the Atomic Energy Control Board, using the pass criterion which was originally agreed upon by the organizations involved. This analysis



offers a comparison of the performance of the different sites which operate such a service. Recommendations are made to help the organizations in refining their dosimetry.  
CA EN PS SC

# **An Analysis of satellite imagery in the Grand Banks Region**

by A. Isenor. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 62 p. : ill., maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 111) ISSN 0711-6774  
MICROLOG 90-06590 1 fiche

Analysis of the available NOAA satellite imagery for the area defined by 41-51N and 43-56W, using 97 images collected from 1984-86 to produce monthly sea surface temperature (SST) statistics in 1 degree x 1 degree squares. The data include the minimum, maximum, mean and the standard deviation. The mean position of the Labrador current, as defined by its cold SST manifestation, is also determined using 15 independent images of the current. The mean position is then compared with imagery available from November 1985.  
• AP CA CF NR PS SC

# **An Analysis of social housing procurement technique performance**

by J. Taggart. Ottawa : Canada Mortgage and Housing Corporation, Canadian Housing Information Centre, 1987. 7 p.  
MICROLOG 90-06648 1 fiche

An analysis was conducted to compare the relative performance of three basic approaches to project development: general contract, design build and turnkey, and construction management. It also determined if general expectations with respect to differences in costs and the risk of cost over-runs with each approach were supported in CMHC's experience. This document presents the findings of the study.  
CA SA

# **An Analysis of some factors affecting catch rates of sub-65' groundfish fishing vessels in 4X/sub-area 5 of southwest Nova Scotia**

by R. Shotton. Halifax : Dept. of Fisheries and Oceans, Scotia-Fundy Region, Program Coordination and Economics Branch, 1989. vi, 129 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1707) ISSN 0706-6457  
MICROLOG 90-00691 2 fiche

The initiative for this analysis was the requirement to resolve problems arising from excess fishing capacity in the 4X/sub-area 5 demersal fishery. The report examines the relations between vessel dimensions and their catch success for sub-65' groundfish fleet operating in the NAFO areas 4X and 5 of southwest Nova Scotia. Vessel dimensions examined include length overall, gross tonnage, brake horse power, and cubic number. Catch success is measured at catch (either weight or value) per day fished, and per year. The interrelationship of the vessel dimensions and the trends in these dimensions as a function of vessel age are also examined. Regression analyses were done on data for 1984 and 1985 with all data sets aggregated, and when disaggregated by year and gear class - mobile gear and longlines. Regressions were further done with the data disaggregated on a stock and seasonal (quarter) basis. The amount of time spent fishing per year, and the fraction of time at sea spent fishing, was examined as a function of gear type and vessel dimensions.  
• AP CA CF FI SC

# **Analysis of surface hydrogen in high-strength steels**

by V.S. Sastri and D.B. McDonnell. Ottawa :

Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1990. ii, 8 p. : ill. Bibliogr. (Report ; MTL 90-6(TR))  
MICROLOG 90-05990 1 fiche

To resolve the problem of hydrogen embrittlement in high-strength steels, analytical methods were developed suitable for characterizing its transport behaviour and metallurgical effects. Methods such as vacuum extraction and tin-fusion have proven of value in assessing procedures including the nitric, acetic, phosphoric acid treatment which aim to reduce surface hydrogen contaminations. This paper describes the application of electron spin resonance, voltammetry, and secondary ion mass spectrometry in the investigation of bulk and surface-bound hydrogen in AISI 1062 and 4037 high-strength steels.  
• CA CM NR PS SC

# **An Analysis of the demand for and supply of nursing personnel in Canada**

prepared by Occupational Studies and Program Linkage Unit, Canadian Occupational Projection System, Employment and Immigration Canada. Ottawa : Employment and Immigration Canada, 1988. vii, 86 p. : ill. Bibliogr. (COPS occupational studies ; WH-3-762E) French ed. (*Analyse de l'offre...*) : 90-00696/2.  
MICROLOG 90-00695 2 fiche

This report examines the current functional nature and potential development path of Canada's labour market for nurses. Items covered include the general environment of current nursing practice, the challenges and consequences of labour market pressures for both the demand and supply of nurses, and, by extension, the degree of labour market balance today and forecasts for the next few years. It examines not only the quantitative nature of demand and supply, but also the qualitative specifics of skill requirements and availability.  
CA HE LA

# **Analysis of the Japanese salmon market**

by J.L. Anderson and Y. Kusakabe. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. vi, 71 p. : ill. Bibliogr. (Economic and commercial analysis report ; no. 56) ISSN 0843-5626 ISBN 0-662-17705-3  
MICROLOG 90-04880 1 fiche

Analysis of various aspects of Japan's retail and restaurant market for salmon. The bulk of the research is based on primary information collected from personal interviews conducted in Tokyo with buyers for 15 Japanese trading companies, 12 large retail outlets or department stores and 75 restaurants. The paper used the information from the survey in conjunction with secondary data to better understand Japanese buying practices, behaviour and preferences, to determine how Canadian salmon is perceived in Japan and to interpret the implications for marketing salmon.  
• CA CF FI SC

# **An Analysis of the mechanical construction sector labour market**

Canada. Employment and Immigration Canada (Dept.). Labour Market Outlook and Structural Analysis Directorate. Labour Demand Analysis. Ottawa : The Directorate, 1986. i, 79 p. : ill.  
MICROLOG 90-00798 1 fiche

This report provides an analysis of labour market conditions faced by the plumbing occupations in Canada and the provinces, and an examination of the characteristics of firms comprising the mechanical contracting industry. It analyses numbers, utilization, unemployment, inter-provincial mobility, and losses due to attrition. It also provides a profile of firms in the industry, including a look at volume of business, trade specialty, and type of legal entity. Finally, it presents a projection of

occupational demand using alternative assumptions regarding utilization.  
• CA LA

# **Analysis of the spectral characteristics of sound signals emitted by pinnipeds**

by V.A. Svizhenko. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5123) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-00053 1 fiche

Sound signalling in pinnipeds has been very poorly researched so far, although it is assumed that it plays an important role, since it appears to be the way each individual keeps in touch with the remainder of the herd. The paper describes the zoologically interesting features of the pinnipeds communication under various conditions.  
• CA CF FI LS SC

# **Analysis of trace elements and chlorinated hydrocarbons in fish and common mussels from Hardanger Fjord and adjacent fjord areas in fall 1983 and spring 1984**

by K. Julshamn, et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 78 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5381) Originally published in Norwegian, at Bergen, Norway. ISSN 0704-3716  
MICROLOG 90-01555 1 fiche

Samples of natural common mussels were collected from 36 stations and samples of bred, common mussels were collected from 15 stations. The samples of the natural common mussel were taken from areas as close as possible to the breeding stations. Analysis was also done on fillets and liver from pollack and flounder from 9 and 10 stations respectively, as well as trace elements in bred fish (salmon/rainbow trout) from the Hardanger Fjord. All values are based on the weight of fresh fish and salinity and nutrients were measured in water samples from all stations at which common mussels were collected. Analyses were conducted for polycyclic aromatic hydrocarbons, chlorinated hydrocarbons, arsenic, copper, zinc, cadmium, lead and mercury.  
• CA CF EV FI SC

# **An Analysis of wheat supply response under risk and uncertainty**

by R.A. Schoney. Ottawa : Agriculture Canada, Policy Branch, 1990. xii, 158 p. : ill. Bibliogr. (Working paper ; 1/90)  
MICROLOG 90-03919 2 fiche

Study to appraise typical Saskatchewan grain producer supply response to price induced risk and to quantify the major sources of farm income risk, price and yield, faced by typical wheat farmers on brown soils. A representative study approach is used to evaluate producer response to alternative generic price stabilization policies. Producer response to risk is evaluated at the whole farm level, not at the enterprise level. Supply response is based on the fallow/seed FLEXCROP decision rule, which is based on the critical soil moisture threshold and actual spring soil moistures. A bio-economic accumulator is constructed incorporating stochastic May soil moisture and yield relationships and deterministic farm costs. Three price scenarios and 4 price policies are examined.  
AG CA MS SC

# **Anisotropic properties study of Lac du Bonnet granite specimens : report no. 5**

by R. Jackson. Ottawa : Canada Centre for



Mineral and Energy Technology, Mining Research Laboratories, 1988. iii, 44 p. : ill. Bibliogr. (Report ; MRL 88-39(TR)) MICROLOG 90-00168 1 fiche

Comprehensive and shear wave velocity measurements, as well as uniaxial compression testing, were conducted on samples obtained from boreholes located in the Lac du Bonnet batholith near Pinawa, Manitoba to ascertain if any anisotropy in terms of the uniaxial mechanical properties exists in the Lac du Bonnet samples and, if so, to what extent. This is the 5th in a series of anisotropy reports and gives a summary of all data generated to date. Also included are the best fit ellipsoids calculated for the uniaxial compressive strengths, 50% secant and 50% tangent moduli of each borehole.  
• CA CM MS NR PS SC

### Annapolis Basin soft-shell clam *Mya arenaria* mortality study : a summary of field and laboratory investigations

by N.J. Prouse...et al. Dartmouth, N.S. Bedford Institute of Oceanography, 1987. vii, 19 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 1987) ISSN 0706-6493 MICROLOG 90-06592 1 fiche

In April 1987, soft-shell clams in a small intertidal area of the Annapolis Basin, N.S. were found dead. Since live and apparently healthy clams were still found in the higher beach region at this location, it was decided to set up experimental plots in the area of dead clams to determine if mortality factors were still acting. A 100% mortality of transplanted experimental clams within 2 months indicated that this was the case. Although there is evidence from preliminary laboratory studies that predation by the ribbon worm may have occurred, this is believed not to be the cause of the mortality. As part of an investigation to determine the cause of this mortality, sediment and clams were collected in October, 1987 from the dead clam area and a nearby tidal flat as a control. In the laboratory, sediments, half of which were autoclaved to remove microorganisms, were placed into running seawater tanks into which healthy clams were transplanted. The clams were observed for 3 months and the sediment was tested for pesticides, heavy metals, and PCBs.  
• AP CA CF FI LS SC

### Annapolis County

compiled by Wendy L. Thorpe. Halifax Public Archives of Nova Scotia, 1990. 21 p. (Nova Scotia genealogical sources county guide series ; no. 5) ISBN 0-88871-150-6 MICROLOG 90-06508 1 fiche

Provides a quick access via a standard list to specific sources available at the Public Archives of Nova Scotia. The list is divided into published sources (published genealogies, published community/county histories; directories, and newspapers) and manuscript sources (papers of families and individuals; church registers, community records and unpublished histories; cemetery inscriptions; census records, education papers; land records; vital statistics, deeds, wills, and some map sources).  
AP PR SA

### Les Années 90, décennie de développement : plan d'action révisé pour les personnes ayant des handicaps au Nouveau-Brunswick

Nouveau-Brunswick, Conseil du Premier ministre sur la condition des personnes handicapées. Fredericton : Secrétariat des politiques, 1990. 108, 96 p. Bibliogr. *Bilingue* (The 1990's, a decade for...) ISBN 1-55048-293-9 MICROLOG 90-06967 3 fiche

Le Conseil du Premier ministre sur la condition des personnes handicapées est un organisme de consultation et d'étude, qui a été formé pour conseiller le gouvernement provincial sur des questions concernant la condition des personnes handicapées. Ce document se penche sur cette question et étudie particulièrement les points suivants. L'historique du plan d'action, les données statistiques sur les personnes ayant des handicaps, l'aperçu des principes de base; la note sur les recommandations; les services communautaires; les services éducatifs tels le secteur des écoles publiques; la formation postsecondaire et les emplois; le logement; et, les loisirs.  
AP PR SA

### Annotated bibliography : Late Quaternary studies in Alberta's western corridor, 1950-88

by A.B. Beaudoin. Edmonton : Alberta Culture and Multiculturalism, 1989. xvii, 362 p. Bibliogr. (Manuscript series ; no. 15) MICROLOG 90-02304 4 fiche

This annotated bibliography of 650 citations includes papers, short notes, theses, conference abstracts and maps published between 1950-88. The citations deal with surficial geology, glacial history, palaeontology and palaeoenvironments in the western corridor of Alberta between 30,000 and 6,000 BP.  
AL NR PR PS SC

### Annotated bibliography of publications based on research supported by the Northern Scientific Training Program, 1986

Ottawa : Dept. of Indian Affairs and Northern Development, Circumpolar and Scientific Affairs Directorate, Scientific Affairs Division, 1988. v, 171 p. Citations are in the language of presentation, English or French. MICROLOG 90-01157 2 fiche

Annotated bibliography comprising the majority of references to scientific papers, seminar or conference presentations, and theses based on projects supported by the program in 1986. Organization is by university, then alphabetically by author. Indices by author, discipline and fieldwork location are included.  
CA NO PS SC

### Annuaire d'Hydro-Québec, 1989

Hydro-Québec. Montréal : la Société, 1989. 313 p. : ill., cartes géogr. CSI 67145.008 ISBN 2-550-18154-9 MICROLOG 90-06776 4 fiche

Ce document vise à offrir au public externe et interne des renseignements de base sur Hydro-Québec et sur l'électricité. C'est un outil de référence qui est mis à jour de façon régulière. On inclut des renseignements tels les dates clés, les anciens présidents, histoire de loi, l'organisation de la société et de chaque région, la philosophie de gestion, des politiques, des chiffres clés des ressources humaines, santé et sécurité, la production de l'électricité, et la production hydroquébécoise. Chaque section du document inclut des tableaux statistiques.  
EN PR QU SC

### Annuaire de l'administration scolaire, 1989-90

Toronto : Ministère de l'éducation, 1990. xix, 280 p. : cartes géogr. *Bilingue* (Directory of education...) CSI 55108.009. ISSN 0316-8549 MICROLOG 90-05143 4 fiche

Cet annuaire porte principalement sur les points suivants : la liste des écoles provinciales et d'autres sections portant sur les diverses régions de l'Ontario; l'adresse du bureau régional du ministère de l'Éducation de la région donnée, la liste des fonctionnaires régionaux du ministère et une carte de la région; des cartes indiquant les limites des circonscriptions scolaires les plus importantes,

les numéros de télécopieurs des conseils scolaires; et, la liste des collèges et des universités de l'Ontario.  
ED ON PR

### Annuaire de spécialistes en matière de la faune et de l'habitat

compilé et édité par Paul A. Gray et Gary R. Ironside. Ottawa : Environnement Canada, Service canadien de la faune, Comité canadien de la classification écologique du territoire, Groupe de travail sur la faune, 1989. vi, 96 p. *Bilingue* (Directory of wildlife...) ISBN 0-662-56791-9 MICROLOG 90-02430 2 fiche

Ce document présente un annuaire qui a été compilé afin que les membres du Groupe de travail sur la faune du CCET de même qu'autres individus intéressés aient en main une liste des personnes qui s'intéressent ou travaillent actuellement à des projets reliés à l'intégration terre-faune, aux relevés écologiques du territoire, à la surveillance et à l'inventaire des habitats de la faune et de questions connexes.  
CA EV LS SC

### Annuaire des administrateurs des compagnies minières, 1989

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service de la statistique et des opérations, 1989. vi, 160 p. CSI 66135.005 ISSN 0832-7505 MICROLOG 90-01213 2 fiche

Cet annuaire présente les coordonnées des compagnies minières selon l'ordre alphabétique des noms de compagnies, noms qui apparaissent dans leur version française, lorsque celle-ci existe. Les renseignements fournis sont l'adresse et le numéro de téléphone du siège social de la compagnie, le lieu et la date de son incorporation, la ou les bourses où les actions des compagnies sont inscrites, le nom des dirigeants et la fonction qu'ils occupent ainsi que le nom de certains administrateurs ou de l'ensemble du Conseil d'administration lorsque ces informations étaient disponibles. Finalement, le document présente le nom des dirigeants et des administrateurs selon l'ordre alphabétique et fait état des fonctions qu'ils exercent au sein des compagnies.  
NR PR PS QU SC

### Annuaire des minéraux du Canada, 1989 : aperçu et perspectives

Ottawa : Énergie, mines et ressources Canada, 1990. 760 p. : ill., cartes géogr. (Rapport minéral ; no 38) *L'éd. anglaise* (Canadian minerals yearbook...) : 90-05723.8 CSI 21110.005 ISBN 0-660-92860-4 MICROLOG 90-05724 8 fiche

Ce document passe en revue les événements survenus dans l'industrie minière au cours de 1989. On y fait d'abord un bilan de la situation économique canadienne, internationale et régionale. Puis, on fournit des informations sur la main-d'œuvre et l'emploi, sur les réserves canadiennes de minerais, ainsi que sur les réserves minières canadiennes, les mises en valeur, les gisements prometteurs et l'exploration minière. Finalement, on trouve, pour chacun des produits minéraux, un bilan traitant de la situation de l'industrie canadienne et mondiale, des utilisations, des prix et stocks, des importations et exportations, des statistiques de production et de consommation, ainsi que des perspectives.  
CA NR PS SC ST

### Annuaire des programmes et des services d'environnement Canada, région du Québec

Canada. Environnement Canada. Région Québec. Québec : la Région, 1988. 16, 16 p. : ill. *Bilingue* (Directory of Environment...) CSI 21140.001. ISBN 0-662-55676-3 MICROLOG 90-06925 1 fiche



On trouve dans cette nouvelle édition de l'Annuaire, la description de chacune des composantes du Ministère, une liste des questions d'intérêt général ainsi qu'un organigramme. Les points étudiés sont spécifiquement les suivants: les buts, objectifs et mandat d'Environnement Canada; le Comité des cadres régionaux; la direction des communications; le service canadien des parcs; la conservation et la protection; la direction de la protection de l'environnement; le service canadien de la faune, la direction des eaux intérieures; le service de l'environnement atmosphérique; et, l'organigramme.  
CA EV QU SC

#### Annuaire des syndicats ouvriers au Nouveau-Brunswick, 1989

Fredericton : Ministère du travail, Division du travail, Direction de la politique du travail, 1990. xi, 104 p. L'éd. anglaise (Directory of labour...) : 90-06950/2. CSI 45111.002F. ISSN 0702-973X  
MICROLOG 90-06951 2 fiche

L'Annuaire contient un sommaire des données statistiques sur les effectifs et une liste alphabétique des syndicats, des centrales syndicales et autres organisations de travailleurs. Ce répertoire est divisé en cinq parties, soit: les tableaux statistiques sur la répartition des effectifs syndicaux selon le nombre, l'industrie, le sexe et l'affiliation centrale syndicale, la liste des syndicats internationaux et nationaux ainsi que les organismes locaux indépendants, affiliés ou non à une centrale syndicale, la liste des représentants syndicaux, celle des représentants des centrales syndicales, de la Fédération des travailleurs du Nouveau-Brunswick, ainsi que celle des responsables des Associations de la construction et des Conseils des métiers du Bâtiment et de la construction au Nouveau-Brunswick.  
AP LA PR

#### Annual air quality report for Prince George, 1988

British Columbia. Waste Management Branch. Victoria : The Branch, 1989. 76 p. : maps. CSI 38115.002. ISSN 0826-8533  
MICROLOG 90-00720 1 fiche

Summary of the factual data collected in 1988 describing the emission source status, air quality, and meteorological data and including a trend analysis of air quality from 1980 to 1988. Updated support information relating to emission sources, equipment and stations, industry shutdowns and maps are also included.  
BC EV PR SC ST

#### Annual and geographical variations in sealworm *Pseudoterranova decipiens* larvae in rainbow smelt *Osmerus mordax* from the Gulf of St. Lawrence

by T. Landry. Moncton, N.B. : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1990. viii, 11 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1734) ISSN 0706-6457  
MICROLOG 90-06634 1 fiche

The use of rainbow smelt as a host indicator of sealworm abundance offers an accurate temporal and geographical index for inshore areas. The smelt sealworm survey was initiated in 1984 with 4 locations sampled along the New Brunswick coast, and has increased to 9 locations from the Gulf of St. Lawrence in 1989. This inshore survey is complementary to the American plaice sealworm survey for offshore areas. The data collected from 1989 are analyzed with those from past collections (1984-88) to evaluate variations in sealworm abundance over a 5-year period.  
● AP CA CF FI LS SC

#### Annual design competition 1990 : award winning housing for Nova Scotia, no. 5

Halifax : Dept. of Housing ; Canadian Home Builders' Association of Nova Scotia ; Ottawa : Canada Mortgage and Housing Corporation, 1990. 14 p. : ill. CSI 51109.002.  
MICROLOG 90-07181 1 fiche

The Nova Scotia Dept. of Housing, in conjunction with Canada Mortgage and Housing Corporation and the Canadian Home Builders' Association of Nova Scotia sponsors this competition annually to encourage architectural students to create workable housing designs that will effectively solve a problem posed by the sponsors. The project was to design one single (475 sq ft) and one double (500 sq ft) occupancy garden suite, defined as small, self-contained units which are usually placed on the same lot as the home of close family members and are easily moveable. The suites should accommodate living, dining, cooking, sleeping and storage. This report presents the problem, gives information on the sponsors and the jury, and presents the first, second and third prize awards.  
AP PL PR SA SC

#### Annual meeting of the International Maple Syrup Institute : summary

by D.F. O'Brien. Fredericton : Forest Extension Service, 1989. 15 p.  
MICROLOG 90-01719 1 fiche

Summary of the meeting, consisting of a field visit to the sugarbush and a description of its operations; the business meeting; and reports on the activities of the Canadian Coalition Against Acid Rain, the problem of pear thrips, machinery produced by Small Brothers Co. Ltd., maple tubing systems produced by Maple Experts Inc., a market attitude survey, production of maple syrup, and the maple promotion activities of the Vermont Maple Promotion Board.  
AG AP PR SC

#### Annual meeting report, 1990

New Brunswick Cattle Marketing Agency. Fredericton : The Agency, 1990. 18 p. CSI 46171.001.  
MICROLOG 90-04028 1 fiche

Report of the annual meeting of the Agency, giving a summary of the Agency's history, minutes of the 1989 annual meeting and reports from the Chairman, Board of Directors, Inspector, and the Milk Marketing Board. A financial statement is included.  
AG AP PR SC

#### Annual progress report : snow management and meltwater enhancement, 1987-88

by W. Nicholaichuk, D.M. Gray and B. McConkey. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 32 p. : ill. (NHRI contribution ; no. 89015) CSI 21148.003. ISSN 0838-1992  
MICROLOG 90-06490 1 fiche

Based on the action plan submitted in the first annual progress report of February 1987, this report summarizes the results from the 1987-88 field season, based on studies at field sites established at Kerrobert, Richlea, Swift Current and Saskatoon. The project studied the effect on meltwater enhancement of spiking, paraplowing and subsoiling or deep ripping under the stubble management treatments of tall stubble and trap strips; established the potential of managing snow by stubble management practices for meltwater augmentation on severely cracked soils; evaluated the application of subsoiling practices for establishing and increasing the productivity of hill tops; evaluated the effects on yield of increased water additions obtained with the

practices listed; examined the effects of different tillage and snow in surface runoff and groundwater recharge; studied the effects of the depth and spacing of different subsoiling treatments in the root zone and the energy requirements for installation and to establish criteria for system design.  
AG CA MS SC

#### Annual report of fluoridated community water supplies in Manitoba, 1988 : summary

Winnipeg : Manitoba Health, 1989. 11 p. CSI 42118.002.  
MICROLOG 90-00835 1 fiche

This report consists of a summary of how 50 water treatment plants which participated in the fluoridation monitoring program performed. It also includes a brief description of improvements and problem areas along with an example of the tabulated results from the sampling program.  
EV MS NR PR SC

#### Annual report of municipal statistics, 1988

Halifax : Dept. of Municipal Affairs, 1990. 104 p. : ill. CSI 51113.002. ISSN 0383-4840  
MICROLOG 90-04841 2 fiche

This report contains comparative data between municipalities in the province on expenditures by function, revenues by source, expenditures by function, lists officials and addresses; location of municipalities, cities, towns, villages and commissions as to counties; comparative summaries and miscellaneous municipal statistics such as: non-financial statistics (population etc.) assessment, analysis of taxes receivable, debentures and other term debt, consolidated statements, statement of capital financing, special reserves, sinking and trust funds, water and electric light utilities, school boards, other boards and commissions.  
AP MU PA PR ST

#### Annual report of municipal statistics, 1989

Fredericton : Dept. of Municipal Affairs, 1989. 76 p. Bilingual (Rapport annuel des statistiques...). CSI 45112.002. ISSN 0319-4183  
MICROLOG 90-03179 1 fiche

This annual report contains statistics on revenues and expenditures for the various services provided by municipalities and local service districts.  
AP CO MU PR ST

#### Annual report on electronic surveillance : section 178.22 of the Criminal Code, 1988

Ottawa : Solicitor General Canada, 1989. 41, 43 p. Bilingual (Rapport annuel sur l'écoute...). CSI 21121.004  
MICROLOG 90-02771 2 fiche

Annual report concerning the judicially authorized interceptions of private communications. This report contains new data and information relating to 1988 and updated data and information for 1984-87. The report includes statistics and analysis for offenses under which proceedings may be instituted at the instance of the Government of Canada and conducted by or on behalf of the Attorney General of Canada. In general, the report covers applications for authorizations to intercept private communications in relation to the Narcotics Control Act, the Food and Drugs Act, the Customs Act, the Excise Act, the Bankruptcy Act, the Official Secrets Act and the Immigration Act. In addition the report contains information relating to certain Criminal Code offences if the offence meets either of the conditions set out in section 57 of the Security Offences Act, or if the offence occurred in the Northwest Territories or the Yukon.  
CA JU SC ST TE



**Annual report on proceedings under the Canadian Labour code, part I, 1988-89**

Canada. Labour Canada. Federal Mediation and Conciliation Service. Ottawa : The Service, 1989. 38, 40 p. : ill. *Bilingual. (Rapport annuel des activités...)* CSI 21114.023. ISBN 0-662-56881-8 MICROLOG 90-02941 1 fiche

The Service protects the right of workers to organize and bargain collectively, and promotes good industrial relations in the private sector under federal jurisdiction. This annual report reviews mediation and conciliation, and arbitration services.  
CA LA

**Annual report on trust and savings companies, 1988**

Québec (Province). Inspecteur général des institutions financières. Québec : The Inspecteur, 1989. 11, 115 p. *Bilingual. CSI 66101.006. ISSN 0843-9109 ISBN 2-550-19859-X* MICROLOG 90-02954 2 fiche

This annual report presents tables which show the overall assets administered by Quebec-licensed trust companies per category of funds, and provides a summary of their revenue, the classification of companies according to place of incorporation and capacity to receive deposits, a summary of assets and revenue of savings companies doing business in Quebec; classification of savings companies according to their place of incorporation; the participation of financial groups in the ownership of Quebec trust companies; an overview of the financial position of Quebec trust companies over the last five years, and a regional distribution of branches of trust companies and savings companies authorized to do business in Quebec.  
CO PR QU

**Annual report on trust companies and savings companies, 1989**

Québec (Province). Inspecteur général des institutions financières. Québec : The Inspecteur, 1990. 11 p. *French ed., parts I-III (Rapport annuel sur les sociétés...)* 90-05734/2 CSI 66101.006E MICROLOG 90-06074 1 fiche

This annual report covers the companies' financial position, management, corporate practices and the application of the laws and regulators governing them  
CO PR QU

**Annual report to Parliament on future immigration levels, 1989**

Ottawa : Employment and Immigration Canada, 1989. 7, 7 p. *Bilingual (Rapport annuel sur les futurs...)* CSI 22138.005. ISBN 0-662-57002-2 MICROLOG 90-00723 1 fiche

Specifies the number of immigrants that the government of Canada deems appropriate to admit during specified time periods, and the manner in which demographic considerations have been taken into account in determining that number.  
CA EX

**Annual statistical report, 1989**

Manitoba. Provincial Municipal Assessment Branch. Winnipeg : The Branch, 1990. 25 p. CSI 41118.006 MICROLOG 90-05256 1 fiche

Document presents assessment data for each district in the province for 1990. Contains data on assessment roll entries, land title notifications, additions to the roll under selected sections of the legislation, appeals and complaints, and data on municipalities reassessed. Includes comparative information

from previous years.  
CO MS MU PA PR ST

**Annual unload report : fresh fruits and vegetables on 10 Canadian markets, 1989**

Ottawa : Agriculture Canada, Agriculture Development Branch, Crop Development Division, Horticulture Section, 1990. 140 p. *Bilingual (Rapport annuel des déchargements...)* CSI 21100.005. ISSN 0576-0526 MICROLOG 90-06151 2 fiche

This report contains details of fruit and vegetable unloads for fresh consumption in weight, by month and origin. The statistics include data on freight and boat receipts, and truck receipts by wholesale trade and chain stores. Mixed car receipts have also been included and added to the straight weight of the individual commodities.  
AG CA CO ST

**Anodic dissolution testing of Welding Institute of Canada specimens**

by R.J. Brigham and V. Mitrovic-Scepanovic. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. 17 p. : ill. Bibliogr. (Report : MTL 89-64(TR)) MICROLOG 90-03375 1 fiche

Galvanostatic anodic dissolution testing was carried out on samples supplied by the Welding Institute of Canada to clarify the effect of C, Mn, Ni and heat input on preferential heat-affected zone corrosion.  
• CA CM PS SC

**Another outbreak of forest tent caterpillars -- Rev.**

revised by J.J. Churcher and G.M. Howse. Ottawa : Forestry Canada ; Toronto : Ministry of Natural Resources, 1989. 14, 14 p. : ill. *Bilingual (Encore une infestation...)* ISBN 0-7729-4852-6 MICROLOG 90-06575 1 fiche

Report on the life history and habits of the forest tent caterpillar, as well as the relative size and duration of infestations in Ontario from 1900-1988. The report also describes the host trees, the impact of the caterpillars on them, and methods of control.  
FO LS ON PR SC

**Answering the challenge : strategies for success in Manitoba high schools**

Winnipeg : Manitoba Education and Training, 1990. 35, 37 p. *Bilingual (Relever le défi...)* MICROLOG 90-07215 1 fiche

Provides the blue print for the future development of high school curriculum, student assessment, evaluation, and reporting over the next decade. In addition, it identifies the key determinants of education change; outlines the broad goals and principles of a quality high school program, and recommends appropriate strategies to ensure its successful implementation. It also addresses changing societal expectations of the educational system.  
ED MS PR

**Antimony flotation in an SK15 skim air coarse flotation machine**

Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. 198 p. : ill. (Open file report : 89-50) ISSN 0712-4562 MICROLOG 90-01721 3 fiche

Investigation to determine the benefits of removing coarse liberated mineral particles from the grinding circuit by applying the principle of coarse or flash flotation. An Outokumpu SK15 skim air coarse flotation machine was installed in the Durham Mines concentrator in an effort to reduce slime

production and subsequent mineral loss to tails. The cell was inserted into the classification circuit and both primary and secondary cyclones were tested as feed sources for the unit. Various operating parameters were introduced and results compared. Skim air cell concentrate was tested against conventional flotation concentrate for quantity, quality and mineralogy. A complete circuit survey was conducted with the unit cell on line.  
• AP CA NR PS SC

**ANUGA '89**

by D. Shortall. Ottawa : External Affairs and International Trade Canada, International Trade Development Branch, 1990. 18, 31 p. *Bilingual (ANUGA '89)* MICROLOG 90-05450 1 fiche

ANUGA is the single most important international trade event for the world's food industry. This document reports on the fair highlighting Canadian participation in the event, as well as presenting discussions on major trends. United States, Norway, Iceland, Denmark, New Zealand, United Kingdom and France were also featured in this paper. A conclusion and a list of participants concluded the document.  
AG CA CO EX

par D. Shortall. Ottawa : Affaires extérieures et commerce extérieur Canada, Secteur de l'expansion du commerce extérieur, 1990. 31, 18 p. *Bilingue (ANUGA '89)* MICROLOG 90-05450 1 fiche

ANUGA est la plus importante exposition de produits alimentaires du monde. Bien qu'internationale, cette exposition est particulièrement importante en tant que porte d'entrée sur le marché ouest-allemand du poisson et des fruits de mer. Les exportations canadiennes de poisson et de fruits de mer vers l'Europe de l'Ouest sont en majeure partie constituées de produits se situant à l'extrémité supérieure de la gamme des prix. Ce document porte sur le secteur de l'expansion du commerce extérieur en ce qui a trait aux poissons et aux fruits de mer vers l'Europe de l'Ouest.  
AG CA CO EX

**Aperçu de l'économie et du marché du travail du Nouveau-Brunswick, 1989-90 à 1992-93**

par M. Van Huystee. Ottawa : Emploi et immigration Canada, Région du Nouveau-Brunswick, Services économiques, 1990. iv, 46, iii, 46 p. *Bilingue (New Brunswick economic...)* CSI 22138.224 MICROLOG 90-03593 2 fiche

Ce document sert principalement d'outil de référence pour la planification, l'élaboration et l'établissement d'un ordre de priorités relatif aux programmes et services d'Emploi et immigration Canada au Nouveau-Brunswick. Il s'agit d'une évaluation du milieu qui se penche sur les réalisations économiques passées, présentes et futures, tant sur place qu'à l'étranger, ainsi que sur les répercussions éventuelles que pourraient avoir ces réalisations sur l'économie et le marché du travail du Nouveau-Brunswick. Plus précisément, chacune des importantes catégories industrielles de la province fait l'objet d'une analyse qui vise à déterminer ses perspectives économiques et ses perspectives d'emploi probables.  
AP CA CO ST

**Aperçu de la Loi sur la sécurité ferroviaire**

Ottawa : Transports Canada, Groupe de surface, Direction générale de la sécurité ferroviaire, 1990. v, 31, v, 28 p. *Bilingue (An Overview of the Railway...)* ISBN 0-662-57418-4 MICROLOG 90-06019 1 fiche

Cette brochure décrit les principes fondamentaux sur lesquels la réglementation de



la sécurité ferroviaire repose, le cadre réglementaire et la méthode de mise en oeuvre de la nouvelle Loi sur la sécurité ferroviaire. Elle vise à exposer les principes fondamentaux sur lesquels la réglementation de la sécurité ferroviaire repose au Canada, à indiquer le cadre et la méthode de mise en oeuvre de la Loi sur la sécurité ferroviaire, ainsi qu'à fournir des lignes directrices générales au secteur des transports ferroviaires et aux groupes d'intérêts.  
CA SC TR

#### Aphids infesting crucifers in Canada

by D.G.R. McLeod and D.T. Lowery. Ottawa : Agriculture Canada, 1989. 15 p. : ill. French ed. (*Pucerons infestant...*) on the same fiche. ISBN 0-662-17127-6  
MICROLOG 90-04995 1 fiche

Guide developed as an aid to the field identification of aphids colonizing aerial portions of cruciferous crops belonging primarily to the genus Brassicaceae (cabbage, rutabaga, and mustard). The guide includes methods of identification and the life cycle, then describes specific species of aphids on green peaches, cabbages, turnips, buckthorn, potatoes and corn leaves.  
AG CA SC

#### Apparatus for quick determination of ash in coal

by J. Visman. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1958. 7 p. : ill. (Report ; TM 100/58-PREP)  
MICROLOG 90-04543 1 fiche

Report on the preparation of a wet or dry sample that has been reduced to a size of minus 1/4" and to a weight of 4 lb. at the maximum. The paper describes the apparatus and its operation in quick ash analysis.  
● CA CM NR PS SC

#### An Apparatus for the production of fine metal powders

by C.F. Dixon and T.E. Davis. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1960. 9 p. : ill. (Report ; PM-1 60-10)  
MICROLOG 90-04669 1 fiche

As a preliminary step to an investigation on the slip casting of metal powders, an apparatus was constructed for the production of atomized nickel. This paper describes the apparatus and its operation, as well as the powder to be used.  
● CA CM NR PS SC

#### Apple market review, 1988-89

Ottawa : Agriculture Canada, Agriculture Development Branch, Crop Development Division, Horticulture Section, 1990. 93 p. Bilingual (*Revue du marché des pommes...*). CSI 21100 022. ISSN 0833-1308  
MICROLOG 90-06779 1 fiche

Annual review of the apple market, presents a seasonal review by province and region and a market synopsis. Gives statistics for production and values, estimated fresh sales and sales to processors, per capita consumption, unloads by market area, storage summary, exports by port and variety, fresh imports, production in selected countries, United States production and storage, weekly wholesale-to-retail prices of regular stock and controlled atmosphere stock.  
AG CA CO ST

#### Apple, peach and grape : estimated establishment costs, Ontario, 1989

by E.D. McKibbin. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. iv, 29 p. Bibliogr. (Economics information report , no.

89-03) CSI 55101.017. ISSN 0708-482X  
MICROLOG 90-03358 1 fiche

Provides fruit crop estimates using computer programs that generate budgets and crop production cost estimates.  
AG ON PR SC ST

#### Appleby Township, Sudbury mining division 411/7

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 542) Fold. maps not filmed.  
MICROLOG 90-02993 1 fiche

Geological data inventory for Appleby Township, including a checklist of data sources, mineral commodities reference list, topographical maps available, results of a general index search, selected references, and maps available.  
NR ON PR PS SC

#### L'Application de la Loi sur la protection des renseignements personnels et de la Loi sur l'accès à l'information : Rapport annuel 1987-88

Ottawa : Affaires des anciens combattants Canada, 1988. 23, 23 p. Bilingue (*Administration of the Privacy Act...*). CSI 21125.002  
MICROLOG 90-00735 1 fiche

Ce document présente les statistiques et les points saillants ayant trait à chacune des lois soit la Loi sur la protection des renseignements personnels et la Loi sur l'accès à l'information et aborde des sujets de nature générale concernant l'administration des deux lois.  
CA JU SA

#### L'Application de la Loi sur le multiculturalisme canadien : Rapport annuel 1988-89

Ottawa : Multiculturalisme et citoyenneté Canada, 1989. 159, 149 p. Bilingue. CSI 22313.002  
ISBN 0-662-57218-1  
MICROLOG 90-03483 4 fiche

Rapport annuel portant sur l'application de la Loi sur le multiculturalisme canadien. Il se penche particulièrement sur les points suivants: une description des activités similaires à celles appuyées par le ministère pendant l'année; des renseignements ayant pour but de compléter plutôt que de reproduire les informations contenues dans le Rapport annuel du ministère et dans la Partie III des prévisions budgétaires du Secrétariat d'Etat pour 1988-89. Il expose également les points saillants des programmes énoncés dans ces rapports. Finalement, le document se penche sur les principaux développements, les activités du programme de multiculturalisme, et l'engagement à l'échelle de l'ensemble du gouvernement.  
CA CU PA

#### An Application of object-oriented programming for modeling and solving vehicle routing problems

by J.-Y. Potvin, G. Lapalme and J.-M. Rousseau. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 16 p. : ill. Bibliogr. (Publication ; no. 670)  
MICROLOG 90-01604 1 fiche

Description of an application of the object-oriented paradigm for an interactive and graphic system, called ALTO, aimed at facilitating the design of heuristic algorithms in the vehicle routing domain. The problem-solving procedure (or general heuristic) is modeled as a set of generic operators that are applied to the symbolic objects describing the current routing problem.  
PR PS QU SC TR

#### Application of Rheological Element Method (REM) model for open-pit design optimization

Serata Geomechanics, Inc. Richmond, CA : The Corporation, 1989. ii, 49 p. : ill. Bibliogr. CANMET contract: 79048-01-SQ.  
MICROLOG 90-03389 1 fiche

Documentation of a computer simulation study which focused on field calibration of the site-specific computer model constructed for a certain area of Pit 03 of Highvale Mine. The model was calibrated against ground deformation data collected in field monitoring programs. Three pit designs with different excavation geometries are evaluated by finite element computer simulation. The computer projected results are examined and compared with those obtained in a previous project.  
● AL CA CM EN PS SC

#### The Application of roller compacted concrete to pavements for heavy truck routes in Ontario

by D.F.E. Stolle and A. Kluge. Toronto : Ministry of Transportation, Research and Development Branch, 1989. iii, 59 p. : ill. Bibliogr.  
MICROLOG 90-04892 1 fiche

Roller compacted concrete (RCC) refers to the technique of using a zero slump Portland cement concrete, placed by common asphalt paving equipment, and compacted by a vibratory roller to form a high strength concrete. This study evaluated the potential of RCC composite pavements as a cost-effective means for reducing pavement rutting. A literature review assessed the current state-of-the-art on RCC and identified differences between RCC, conventional Portland cement concrete (PCC) and lean concrete base (LCB) pavements. An experimental research program compared the strength and durability properties of conventional concrete (slump) and RCC (zero slump) using various Ontario aggregates, as well as thickness design and material specifications for RCC and plain concrete pavements.  
ON PR PS SC TR

#### Application of the pseudoadiabatic reactor to the conversion of synthesis gas into blending stocks : final report

by H. De Lasa...et al. London, Ont. : University of Western Ontario, Faculty of Engineering Science, Chemical Reactor Engineering Centre, 1989. x, 422 p. : ill. Bibliogr. CANMET contract: 69192-01-ST.  
MICROLOG 90-03960 5 fiche

A bi-functional catalyst was successfully developed at the Chemical Reactor Engineering Centre of the University of Western Ontario with the dual function of methanol synthesis and methanol conversion. Based on tests carried out in a Berty reactor, the following catalyst composition was chosen: 63% Zn/Cr(25/75 atomic ratio), 27% H-ZSM-5 and 10% Versal 950 Al<sub>2</sub>O<sub>3</sub> binder. A kinetic model for the conversion of synthesis gas was also developed and tested with experimental data obtained in a Berty well-mixed reactor. A pilot plant used extensively for the conversion of methanol in a previous project was modified and adapted for the conversion of synthesis gas. A number of runs were developed to confirm the possible application of the pseudoadiabatic reactor concept for the selective conversion of synthesis gas into hydrocarbons (gasoline range).  
● CA CM EN PS SC

#### Application statistics, 1988

by the Council of Ontario Universities Research Division, and the Ontario Universities' Application Centre. Toronto : The Council, 1989. 22 p. : map. CSI 99465.003. ISSN



0382-912X ISBN 0-88799-243-9  
MICROLOG 90-00714 1 fiche

This report presents summary statistics on application and registration patterns of applicants wishing to pursue full-time study in first-year places in Ontario universities. This report presents data for the fall of 1988.  
ED ON PR ST

#### Application statistics, 1989

Toronto : Council of Ontario Universities, 1990.  
23 p. CS/ 99465.003. ISSN 0382-912X ISBN 0-88799-252-8  
MICROLOG 90-07080 1 fiche

This report presents summary statistics on application and registration patterns of applicants wishing to pursue full-time study in first-year places in Ontario universities. This series of annual reports commenced with admissions in the fall of 1973.  
ED ON PR ST

#### Applications of radar in highway design, construction and maintenance

by C.R. Carter and T. Chung. Downsview, Ont. : Ministry of Transportation, Research and Development Branch, 1988. v, 51 p. : ill. Bibliogr.  
MICROLOG 90-00366 1 fiche

Recent studies to identify methods of determining the condition of asphalt-covered bridge docks have shown ground penetrating radar to be a powerful investigative tool. A project in 1983 led to the computer processing of the impulse radar data, and a follow-on project in 1984 led to the development of DART, a system combining the impulse radar, a 5th wheel for measuring distance and a microcomputer-based data acquisition system for processing. This report examines geophysical site conditions, pre-engineering quality assurance and maintenance, weather monitoring and road surface conditions, and traffic characteristics in detail to determine how radar can be applied to the problem, whether there are any obvious problems in the implementation, and what the probability of success is likely to be. The report also identifies the benefits which may accrue from reduced costs or from technical improvements in the quality of data or speed of data collection.  
ON PR PS SC TR

#### Applying biotechnology for environmental protection

BIOQUAL '88 (1988 : Burlington, Ont.). Ottawa : Government of Canada, 1989. 48 p. Bibliogr.  
MICROLOG 90-02623 1 fiche

Abstracts of the proceedings of the conference, covering the use of biotechnology for environmental monitoring and sampling in Canada and the U.S., innovative bioprocesses for treating wastes and residues from industrial processes, the use of in situ bioremediation, and biomonitoring.  
• CA EV SC

#### Apprenticeship on Prince Edward Island : past, present, future

Charlottetown : Dept. of Industry, 1988. 30 p. : ill.  
MICROLOG 90-04121 1 fiche

This publication gives a brief history of apprenticeship in general and outlines P.E.I.'s entry into the program. It also discusses the training of apprentices and lists the designated trades along with the apprentices and tradespersons involved in the early years. In addition, it presents information on the people who provided the administrative and technical support over the years, outlines the present status of the program and gives the reader a glimpse of future possibilities.  
AP CO LA PR

#### An Approach to identifying revitalizing neighbourhoods in Edmonton

Edmonton : Edmonton Planning and Development, Strategic Planning Branch, 1989. i, 13 p. : maps. (Research paper ; no. 30)  
MICROLOG 90-00151 1 fiche

The purpose of this report is the initial identification of revitalizing neighbourhoods in the inner city. The report answers three questions: What is the extent of revitalization in Edmonton's inner city? In which neighbourhoods is revitalization occurring? What do the findings suggest about the planning actions likely to be most effective in facilitating the revitalization of Edmonton's inner city?  
AL MU PL

#### An Approach to regional tourism development

DPA Group Inc. Victoria : Ministry of Tourism and Provincial Secretary, 1989. 95 p. : maps.  
MICROLOG 90-06729 2 fiche

This document describes the Ministry's approach to regional tourism development. It provides background information on the tourism sector. It also describes the process for regional input to the development plan.  
BC CU PR

#### Une Approche de recouvrement d'ensembles pour l'établissement d'horaires de chauffeurs dans le transport routier de charges partielles

par T.G. Crainic et J. Roy. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 44 p. : ill. Bibliogr. (Publication ; no. 666)  
MICROLOG 90-01611 1 fiche

Ce document propose une approche de modélisation et résolution de ce problème basé sur une formulation de recouvrement d'ensembles et des techniques de génération de colonnes. Des précisions supplémentaires sur la problématique du transport interurbain de charges partielles par camion en général, et sur celle des horaires des chauffeurs en particulier s'y trouvent également. Le plan de l'article est le suivant: on définit les notions fondamentales du problème de la génération et de la sélection du meilleur ensemble de routes-horaires régulières dans le camionnage de charges partielles; on présente la formulation du modèle ainsi que certaines de ses propriétés les plus importantes pour une résolution efficace; on expose la méthode de résolution utilisée; et, on présente les résultats des expérimentations effectuées à partir d'une application industrielle pour finalement analyser l'efficacité de la méthode proposée.  
PR QU SC TR

#### Une Approche de restriction basée sur une méthode primale-duale pour résoudre le problème de localisation-distribution avec échanges interdépôts

par N. Tétéault. Montréal : Université de Montréal, Centre de recherche sur les transports, 1990. vii, 100 p. : ill. Bibliogr. (Publication ; no. 681)  
MICROLOG 90-03011 2 fiche

Ce mémoire se présente de la façon suivante. Le premier chapitre sert à rappeler les principaux éléments de modélisation du problème que nous utiliserons dans ce travail. Le deuxième chapitre décrit les méthodes de relaxation primales-duales pour les coûts linéaires et convexes. Le chapitre trois constitue le noyau de ce travail. On y présente une méthode pour solutionner le problème de localisation-distribution avec échanges interdépôts. Finalement, dans le dernier chapitre, on discute des expérimentations numériques effectuées pour tester une des deux versions de l'algorithme programmé.  
PR PS QU SC TR

#### Aquaculture wastewater treatment : wastewater characterization and development of appropriate treatment technologies for the New Brunswick smolt production industry : final report

by D. Stechey and Y. Trudell. Windsor, Ont. : Canadian Aquaculture Systems Bioengineering Technologies & Business Management Services, 1990. iii, 101 p. : ill., fold. ill. Bibliogr. This study was developed and implemented through the co-operative efforts of the New Brunswick Dept. of Fisheries and Aquaculture and the Dept. of the Environment.  
MICROLOG 90-06024 2 fiche

The environmental impact of intensive fish culture has been discussed for a long time, but an industry-wide implementation of economically feasible and effective technologies for effluent treatments remains minimal. This field study examines commercial fish production practices, culture facilities design, suspended solids settling behaviour, and critical design parameters of existing effluent treatment operations to identify those factors which most significantly affect effluent quality and management. An emphasis was placed upon commercial culture of Atlantic salmon smolts in New Brunswick; however, data from a similar study conducted at intensive rainbow trout culture operations in Ontario were included for comparison.  
AP EV FI PR SC

#### Aquastats : Ontario aquacultural trout production in 1988 with an historical perspective of the industry's development

by R.D. Moccia and D.J. Bevan. Toronto : Ministry of Agriculture and Food, 1989. 4 p. : ill. Bibliogr. (Factsheet) ISSN 0225-7882  
MICROLOG 90-01817 1 fiche

Although fish have been cultured in Ontario since at least 1866, the commercial production of trout for human consumption began in 1962. This factsheet reports on the results of a survey carried out of the known trout production farms in Ontario. A total of 225 potential trout farms were identified, consisting of 120 commercial farms, 42 fee-fishing preserves, 36 'hobby farms', and 2 exclusive bait-fish farms. The survey covered species cultured, annual production and farm size, farm distribution, price and economic value, and future developments and concerns.  
FI ON PR SC

#### Aquatic oligochaetes, I. family : branchiobdellidae

by K. Kasprzak. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 10 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5438) Originally published in Polish, at Warsaw, Poland. ISSN 0704-3716  
MICROLOG 90-00617 1 fiche

Description of the family Branchiobdellidae, including the subfamily and genus, and a key to the species.  
• CA CF FI LS SC

#### Aquatic sensitivity to acidic inputs : Manitoba

by M. Morelli. Winnipeg : Manitoba Environment and Workplace Safety and Health, 1989. iv, 29 p. : maps. Bibliogr. (Water Standards and Studies report ; no. 89-4) Fold. maps not filmed.  
MICROLOG 90-02350 1 fiche

The province of Manitoba together with British Columbia, Alberta, Saskatchewan, the Northwest Territories and Canada made a commitment in December 1982 to coordinate research



activities related to the long range transport of air pollutants (LRTAP) in western Canada. The objectives of this coordinated effort included the identification of current conditions in western Canada, and the gathering of necessary information to develop appropriate management strategies to address LRTAP issues. This report deals with the mapping of aquatic sensitivity to acidic deposition. Water quality data collected between 1977 and 1986 were used to prepare Manitoba's aquatic sensitivity maps and used data for alkalinity, calcium and pH.  
EV MS PR SC

#### Aquatic Toxicity Workshop : proceedings

editors: R. Van Coillie...et al. Burlington, Ont. : Dept. of Fisheries and Oceans, Great Lakes Laboratory for Fisheries and Aquatic Sciences, Bayfield Institute, 1989. xii, 244 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1714) Reports are in language of presentation, English or French (Colloque sur la toxicologie aquatique...). ISSN 0706-6457  
MICROLOG 90-01805 3 fiche

Workshop focusing on aquatic toxicology and ecotoxicology. It includes discussions of fundamental concepts in aquatic toxicology, as well as their application to environmental monitoring, formulation of rules and guidelines, and development of water quality principles.  
• CA CF EV FI SC

#### Aquifer vulnerability, Sheffield Farm project : background and outline

Dartmouth, N.S. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Planning and Management Branch ; Ottawa : Agriculture Canada, 1989. iv, 24 p. : maps.  
MICROLOG 90-06373 1 fiche

A program is being developed to determine the environmental behaviour of pesticides and nitrates under the climatic, physiographic and soil conditions found in Atlantic Canada. The program is intended to provide protocols for evaluating the chemistry and fate of agrochemicals, particularly as they relate to the new guidelines for the registration of pesticides in Canada. To this end, a 5-year study was begun at the Sheffield Farm research station in the Annapolis-Cornwallis Valley of Nova Scotia. Phase I of the aquifer vulnerability study began in 1988-89. This report describes the program, as well as proposed experiments in other areas of the Atlantic region and Phase I and II of the aquifer study.  
AP CA EV NR SC

#### Archaeological field research in British Columbia : an annotated bibliography

Victoria : Ministry of Municipal Affairs, Recreation and Culture, Archaeology and Outdoor Recreation Branch, Resource Information Services Program, 1989. viii, 343 p. ISBN 0-7718-8563-6  
MICROLOG 90-01776 4 fiche

Annotated bibliography of reports written in satisfaction of provincial permit or ministerial order requirements, manuscripts, publications, papers and theses identifying the type, scope, geographic location, and significant results of archaeological investigations conducted in the Province of British Columbia. Each reference includes author and affiliation, date, title, publication references, permit or ministerial order number, number of pages, project location, methodology, objectives, number of sites or artifacts, recorded funding source, substantive results, and report disposition. The source listing is by the 9 numbered provincial N.T.S. map units and their respective alphabetical sub-units. References are categorized as excavations, areal surveys and

limited surveys.  
BC CU PR

#### Archaeological investigations at the Forks National Historic Site, Winnipeg : mitigation of the north point development

by G. Adams...et al. Ottawa : Environment Canada, Canadian Parks Service, 1990. 17 p. : ill. Bibliogr. (Research bulletin ; no. 283) French ed. (Fouilles archéologiques...) on the same fiche. ISSN 0228-1228  
MICROLOG 90-04612 1 fiche

Archaeological investigations were undertaken at the junction of the Red and Assiniboine Rivers in the summer of 1988 to mitigate the effect of development associated with creation of the Forks National Historic Site. This bulletin describes the project parameters and design; the background of the site from prehistoric times to the present; the physical setting; field methods; and excavation results.  
• CA CU MS

#### Archaeological monitoring at Les Forges du Saint-Maurice, 1988

by R. Renaud. Ottawa : Environment Canada, Canadian Parks Service, 1990. 13 p. : ill., maps. Bibliogr. (Research bulletin ; no. 278) French ed. (Surveillance archéologique...) on the same fiche. ISSN 0228-1228  
MICROLOG 90-04607 1 fiche

This bulletin presents, according to sector, the status of each excavation and the results of the archaeological monitoring performed on the site in 1988. Work done on the master's house and periphery, the road area between the master's house and the blast furnace, the southwest sector of the blast furnace from the workshops to Forges Boulevard, the reconstruction of the culvert on Forges Boulevard, and the parking areas and their access road are described.  
CA CU QU

#### Archaeology at Fort Chambly

by P. Beaudet and C. Cloutier. Ottawa : Parks Canada, National Historic Parks and Sites Branch, 1989. 125 p. : ill., maps. Bibliogr. (Studies in archaeology, architecture and history) French ed. (Les Témoins archéologiques...) : 90-06405/2. ISSN 0821-1027 ISBN 0-660-13281-8  
MICROLOG 90-03312 2 fiche

The purpose of this study is to present the results of archaeological research performed by Canadian Parks Service on Fort Chambly. It deals principally with the site's early periods of occupation, the architectural and functional development of the stone fort, and the results of research on material culture. It includes a presentation of the site, an historic overview, and a chapter on the circumstances, nature and role of the archaeological work carried out at the Fort.  
CA CU

#### Archéologie dans les Territoires du Nord-Ouest, travaux sur le terrain en 1988

publié par Margaret Bertulli. Yellowknife : Culture et communications, 1989. 42, 35 p. : ill., cartes géogr. (Rapport archéologique ; no 5) Bilingue (Northwest Territories archaeology...). ISBN 0-7708-3854-5  
MICROLOG 90-02615 1 fiche

Ce rapport résume les travaux archéologiques entrepris sous autorisation en 1988 dans l'Ouest subarctique, le district de Keewatin, les baies d'Hudson et d'Ungava, l'ouest Arctique, le centre de l'Arctique, l'est Arctique, et l'Extrême-Arctique 1988.  
CU NO NP PR

#### Archival sources for the study of Finnish Canadians

by E.W. Laine. Ottawa : National Archives of Canada, 1989. vii, 104, v, 104 p. Bibliogr. (Ethnocultural guide series) Bilingue (Sources d'archives sur...). ISBN 0-662-56435-9  
MICROLOG 90-01632 3 fiche

Includes a brief historical survey of the Finnish-Canadian Community, and presents information on the Finnish Canadian archives program, major collections on Finnish Canadians in the manuscript division, and other archival sources on Finnish Canadians.  
CA CU

#### Archives des commissions royales d'enquête (RG 33), vol. 1 : series 33/1 à 33/75

par J.M. Whalen. Ottawa : Archives nationales du Canada, Division des archives gouvernementales, 1990. xxiii, 182, xxi, 180 p. (Collection de l'inventaire général ; RG 33) Bilingue (Records of federal...). ISBN 0-662-57217-3  
MICROLOG 90-07222 5 fiche

Les Archives nationales du Canada (AN) ont pour mission notamment d'acquiescer les documents du gouvernement fédéral qui méritent d'être conservés à long terme. Afin de renseigner les fonctionnaires, les chercheurs et le grand public sur l'étendue et la diversité croissantes de ces fonds d'archives, la Division des archives gouvernementales publie une collection d'inventaires généraux, dont cette publication fait partie. Les documents de chaque commission sont rassemblés en une série distincte au sein du groupe d'archives. Chacune des séries décrit en détail l'établissement de la commission visée ainsi que l'organisation générale et le sujet des documents créés par la commission.  
CA PA

#### Archives nationales du Canada : Rapport annuel 1988-89

Ottawa : les Archives, 1989. 109 p. : ill. Bilingue. CSI 22274.001. ISBN 0-662-57142-8  
MICROLOG 90-04289 2 fiche

Rapport annuel des Archives nationales du Canada pour l'année 1988-1989 donnant des renseignements sur les points suivants. l'acquisition, la préservation et l'accès au patrimoine national, la gestion des documents du Gouvernement du Canada; le service au public; les activités internationales; et, l'administration du département.  
CA CU

#### Archives nationales du Canada : Revue annuelle 1987-88

Ottawa : les Archives, 1988. 89 p. : ill. Bilingue. CSI 22274.001. ISBN 0-662-56218-6  
MICROLOG 90-02139 1 fiche

Revue annuelle portant sur les archives canadiennes. Ces archives contribuent à lier les citoyens entre eux en les rejoignant jusque dans leurs familles, dans leurs générations passées, dans leurs expériences tantôt récentes, tantôt multiséculaires, tout autant qu'en documentant leurs droits de propriété, leurs droits politiques, civiques culturels et autres. Ce document se penche particulièrement sur la préservation du patrimoine national, la gestion des documents du Gouvernement du Canada, les activités internationales, et l'administration du département.  
CA CU SC

#### Arctic and Marine Oilspill Program Technical Seminar : proceedings

Arctic and Marine Oilspill Program Technical Seminar (13th : 1990 : Edmonton, Alta) Ottawa : Environment Canada, Conservation



and Protection, Environmental Protection, Technology Development Branch, 1990. vi, 485 p. : ill., maps. Bibliogr. ISBN 0-662-57535-0  
MICROLOG 90-05340 6 fiche

Proceedings of the seminar, divided into sessions on the behaviour and fate of oil; biological fate and effects; recent spills and spill activities; countermeasures; remote sensing and spill tracking; and shoreline cleanup in general and following the EXXON VALDEZ spill. Abstracts are given for each paper. Information is given on activities in Canada, the U.S., Norway, Great Britain and Finland.  
• CA EV SC

### The Arctic char as a farmed fish

by T.G. Reinsnes and J.C. Wallace. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 24 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5404) Originally published in Norwegian, by the Fisheries Technological Institute, in Norway. ISSN 0704-3716  
MICROLOG 90-01508 1 fiche

Discussion of the life cycle and distribution of the Arctic char and the factors that seem to be important in its farming, various forms of farming, and experiences from the seawater phase of the Arctic char project at the University of Tromsø, Norway.  
• CA CF FI SC

### Arctic data compilation and appraisal, vol. 21 : Queen Elizabeth Islands, physical oceanography : temperature, salinity, currents and water levels : revised and updated to include 1819-1988

by J.R. Birch, D.B. Fissel and B.D. Smiley. Sidney, B.C. : Dept. of Fisheries and Oceans, Institute of Ocean Sciences, 1990. viii, 246 p. : ill., maps. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 5) ISSN 0711-6721  
MICROLOG 90-06180 3 fiche

This volume is one of a group of catalogues designed to compile and appraise marine data sets for the Canadian Arctic. This inventory contains a catalogue of physical oceanographic data collected in the Queen Elizabeth Islands between 1819 and 1988. This update of the 1983 edition adds 51 new data sets to the original 86. Times and locations of measurements are listed and displayed graphically for temperature-salinity, current-meter and water-level data. Yearly plots showing the locations of all measurements are included. References and sources are listed for all data included in the inventory.  
• CA CF NO NR PS SC

### Arctic marine radar development, phase I : selection of host marine radar : final report

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by Canarctic Shipping. Ottawa : The Company, 1990. xii, 125 p. : ill. MICROLOG 90-07193 2 fiche

Extensive research in the field of marine radar in ice navigation was undertaken. It was concluded that the operational requirements of an ice navigation radar are radically different from the requirements of normal navigation and that a dedicated marine radar whose operating parameters can be changed at will without jeopardizing the operational safety of the ship was needed. This report covers the method of selection of the required system and the design and installation of the chosen system  
CA NO PS SC TR

### Arctic ship technology : probable Arctic shipping scenarios to the year 2000

for Transportation Development Centre ; by Melville Shipping Ltd. Ottawa : The Company, 1986. ii, 30 p. : ill. MICROLOG 90-04095 1 fiche

This report documents an extensive investigation of Arctic resources, including mineral and oil and gas exploration and development, and the role of marine transport, including government shipping activities. Probable Arctic shipping scenarios are given, along with technology requirements.  
CA NO PS SC TR

### The Arctic small tool tradition in Manitoba

Winnipeg : Manitoba Culture, Heritage and Recreation, Historic Resources, 1990. 16 p. : ill. Bibliogr. ISBN 0-7711-0864-8  
MICROLOG 90-06237 1 fiche

Pamphlet describing the pre-Dorset and Dorset peoples of the Arctic and the tools they used. Site locations of these cultures in northern Manitoba are described.  
CU MS NO PR

### Arctic temperature and wind conditions related to ship-hull steel

by J.B. Maxwell ; by Atmospheric Environment Service, Environment Canada. Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1989. ix, 64 p. : ill., maps. Bibliogr. MICROLOG 90-05806 1 fiche

The designer of a ship intended for service in the Canadian Arctic must ensure that materials selected for the above-water hull and superstructure will not be critically affected by atmospheric conditions. This report describes a study which collected available records of atmospheric temperature and wind speed over a period of years and processed this data to identify zones of reasonably consistent conditions and representative values of temperature and wind speed within each zone. A cooling index was also reported which combined the effects of temperature and wind speed.  
CA NO PS SC TR

### Are car purchases savings? An analysis of German households

by U.C.H. Blum and M.J.I. Gaudry. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 12 p. Bibliogr. (Publication ; no. 654) (Cahier ; 8934) MICROLOG 90-01401 1 fiche

Estimates a savings function in which savings, defined as increase in net wealth, alternatively exclude or include car purchases.  
CO PR QU

### Argentinidae : *Argentina silus* : goldlachs

by H.-H. Reinsch and M. Stein. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 3 p. (Canadian translation of fisheries and aquatic sciences ; no. 5162) Originally published in German. ISSN 0704-3716  
MICROLOG 90-00106 1 fiche

Description of the great silver smelt from information gained during 2 voyages of the fishery research vessel ANTON DOHRN in 1980 and 1981 to the western Barents Sea and Spitsbergen.  
• CA CF FI LS SC

### Arnprior GS and Waba Dam : new geotechnical instrumentation

by C.B.H. Cragg. Toronto : Ontario Hydro, Research Division, 1988. 14 p. : ill. Bibliogr.

(Report ; no. 88-5-K)  
MICROLOG 90-01730 1 fiche

This report describes the field installations of new geotechnical instrumentation at Arnprior GS main dam and Waba Dam which were performed in the fall of 1987. Laboratory tests on samples from some East Dyke instrumentation boreholes are also presented.  
EN ON PR PS SC

### Arrêtés de terminologie de la République française

Ottawa : Bureau des traductions, Direction générale de la terminologie et de la documentation, 1974. viii, 103 p. (Bulletin de terminologie ; 155) *Bilingue (The French republic's...)*  
MICROLOG 90-04742 2 fiche

Le 7 janvier 1972, le gouvernement de la République française établissait des commissions de terminologie ayant pour mission d'établir pour un secteur déterminé un inventaire des lacunes du vocabulaire français et de proposer les termes nécessaires, soit pour désigner une réalité nouvelle, soit pour remplacer des emprunts indésirables aux langues étrangères. Ce document rassemble en un volume, selon l'ordre alphabétique des équivalents anglais, les quelque six cents termes étudiés par les commissions ministérielles.  
CA CU

### Artificial circulation in British Columbia : review and evaluation

by K.I. Ashley. Victoria : Ministry of Environment and Parks, 1987. ii, 34 p. Bibliogr. (Fisheries technical circular ; no. 78) ISSN 0319-9436 ISBN 0-7726-0697-8  
MICROLOG 90-00634 1 fiche

Artificial circulation has become an important management technique in B.C. for improving over-winter trout survival in interior winterkill lakes and providing adequate summer refugia in eutrophic coastal lakes. Most of the easily accessible lakes are now being circulated and future projects will require considerable expenditures of capital and labour. This paper documents the historical development of artificial circulation in B.C.; reviews the individual projects and examines common problem areas; provides a benefit-cost analysis on a sub-sample of 10 lakes; and provides recommendations on future research and application of artificial circulation.  
BC FI PR SC

### Artificial intelligence vocabulary

by N. Lazure. Ottawa : Translation Bureau, Terminology and Linguistic Services Branch, 1988. 2 v. Bibliogr. (Terminology bulletin ; 184) *Bilingue (Vocabulaire de l'intelligence...)*. Contents: Vol. I : English-French vocabulary -- vol. II : French-English glossary ISBN 0-660-54136-X  
MICROLOG 90-01628 13 fiche

Bilingual vocabulary in the field of artificial intelligence containing about 12,000 terms, of which 3,700 are accompanied by definitions. Most of the terms are related to knowledge representation, theorem proving, pattern recognition, cognitive psychology, informatics, natural language processing, automatic program generation, problem solving, image processing, expert systems, speech recognition, modelling, artificial vision, machine translation, computer-assisted translation, learning, man-machine dialogue, and logic and linguistics applied to artificial intelligence. Although robotics is often considered a subfield of artificial intelligence, it has been excluded from this vocabulary.  
CA PS SC

### Artificial rearing of young lambs -- 2d rev.

by A.D.L. Gorrill...et al. Ottawa : Agriculture Canada, 1990. 26 p. : ill. Bibliogr. *French ed (Elevage artificiel des agneaux) on the*



same fiche. ISBN 0-662-17341-4  
MICROLOG 90-05749 1 fiche

Artificial rearing is the practice of removing very young lambs from their mothers and raising them on milk replacer, a practice which is increasing because of the use of more prolific breeds. This publication summarizes the findings of a number of studies into practical guidelines for successful artificial-rearing operations. The publication includes selecting and preparing lambs, artificial rearing management, the choice of milk replacer, feeding systems, sanitation and cleaning, lamb diseases and digestive upsets, and the performance of lambs raised on milk replacer. AG CA SC

### Asbestos in Ontario drinking water supplies

by R.B. Hunsinger...et al. Toronto : Environment Ontario, 1989. i, 85 p. Bibliogr. ISBN 0-7729-5014-8  
MICROLOG 90-03014 1 fiche

Overview of asbestos in drinking water and results of an Ontario-wide asbestos survey of 368 municipal drinking water supplies conducted between 1977 and 1983. Background information is given on sources of asbestos in water, water corrosiveness and asbestos-cement pipe, sampling and analytical methodology, asbestos fiber removal by conventional water purification process, asbestos in drinking water and associated disease, and drinking water guidelines. EV ON PR SC

### Asbestos regulation and substitution in brake linings

by C. Jose. Ottawa : Environment Canada, 1988. iii, 6 p. Bibliogr. (Report ; IP-92)  
MICROLOG 90-02383 1 fiche

Report on the automotive application of asbestos, particularly for such friction products as brake and clutch linings. The report covers the health effects of asbestos, its regulation in Canada, U.S. and Europe, and the main substitutes used. • CA EV SC TR

### Ascochyta blight of pulse crops

Regina : Saskatchewan Agriculture and Food ; Saskatchewan Rural Development, 1990. 2 p. (Farm facts) ISSN 0840-9447  
MICROLOG 90-03567 1 fiche

Short description of the fungal disease ascochyta blight, including symptoms, disease cycle, and control on lentils, peas and faba beans. AG MS PR SC

### Aspects of employment on P.E.I. during the 70's

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1984. 16 p. : ill. (Economic trends ; no. 21)  
MICROLOG 90-04874 1 fiche

The major concern that has plagued P.E.I. throughout this century has been that of unemployment, and particularly the question of youth unemployment. The 1983 Trends suggested that the parallel increase in unemployment, labour force participation, employment itself, and unemployment insurance dependence, were likely the result of a general expansion of work of a short term nature, relative to year round employment. This document examines this aspect of employment on P.E.I. with the help of new releases from the 1981 Census. AP CO LA PR

### Asquith Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey,

1990. iii, 74 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 567) Fold. maps not filmed.

MICROLOG 90-04575 1 fiche

Geological data inventory for Asquith Township, including a checklist of data sources, a reference list of mineral commodities, mineral occurrences, type of exploration work done and by whom, drillhole summary by company, results of an airborne geophysical survey, results of a geochemical survey, aerial photos and topographical maps available, newspaper clippings, results of an OGS/ODM general index search, and selected references. NR ON PR SC

### The Assault and abuse of middle-aged and older women by their spouses and children : an annotated bibliography

by E. Mastrocola-Morris. Ottawa : Health and Welfare Canada, Social Service Programs Branch, Family Violence Prevention Division, National Clearinghouse on Family Violence, 1987. 5 p. French ed. (Voies de fait et...) on the same fiche. ISBN 0-662-16663-9  
MICROLOG 90-03766 1 fiche

This document lists 19 sources and includes a brief description of each. BS CA CI SA

### Assessing cold hardness in conifers : a problem analysis and discussion paper

by S.E. Keates. S.I. : Forest Resource Development Agreement, 1990. 20 p. Bibliogr. (FRDA report ; 106) This is a joint publication of Forestry Canada and the British Columbia Ministry of Forests. ISSN 0835-0752 ISBN 0-7726-1080-0  
MICROLOG 90-05856 1 fiche

This report presents a problem analysis of the major cold hardness tests, methods of evaluating cold injury, and means of expressing cold hardness in forest seedlings. Potential methods for measuring cold hardness are assessed according to quantitative measures of cold injury to determine the practicality of each testing program. The report describes testing methods, including freeze testing and tissue preconditioning; methods of evaluating injury, including morphological, physiological, chemical, physical, and electrical assessment; and methods of expressing hardness, including LT50 estimates, visual injury indices and logistic regression models. • BC CA FO SC

### Assessment of Arctic grayling populations in northern Saskatchewan

by J.J. Merkowsky. Saskatoon, Sask. : Dept. of Parks and Renewable Resources, Saskatchewan Fisheries Laboratory, 1989. xii, 117 p. : ill., maps. Bibliogr. (Fisheries technical report ; 89-4)  
MICROLOG 90-05892 2 fiche

Grayling are distributed in the northern third of Saskatchewan as far south as the 56th parallel, occurring in localized pockets, a tendency which makes them particularly susceptible to overfishing. Concern over the status of such grayling populations prompted a 2-year study in 1987-88. The study investigated the biology of the grayling and assessed population levels before introducing a new management strategy. Grayling were investigated at the areas of Wollaston Lake, Fond du Lac and Clearwater River. Several waterbodies within each of these locations were examined. A mark-recapture experiment was carried out, using barbless hooks and flies. FI LS MS PR SC

### Assessment of Atlantic salmon *Salmo salar* L. habitat in the Sackville River, N.S., 1986

by J.D. Cameron. Halifax : Dept. of Fisheries and Oceans, Biological Sciences Branch, Freshwater and Anadromous Division, 1990. vii, 39 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2059) ISSN 0706-6473  
MICROLOG 90-04782 1 fiche

In 1986, the main stem of the Sackville River and the Little Sackville River were surveyed to measure and evaluate potential Atlantic salmon habitat. Data on obstruction, water temperatures, water chemistry and other factors affecting fish life were collected. This information, in conjunction with that of previous bio-assay and electrofishing surveys, was used to estimate the potential of the Sackville River system for natural production and the possible enhancement with hatchery stocks. • AP CA CF FI LS SC

### An Assessment of client services and data publications

RBG-H20 Co Ltd. Regina : Environment Canada, Water Resources Branch, Saskatchewan District, 1989. 30 p. Bibliogr. MICROLOG 90-02435 1 fiche

This report evaluates client satisfaction with the data and information services provided by the Water Resource Branch (WRB), Saskatchewan District. The evaluation includes a subjective look at the value of WRB's data publication series, how new technologies for distributing WRB's data are being accepted, what additional data and information would be useful, and how clients rate the quality of the service being provided by the WRB, Saskatchewan District. EV MS PR SC

### Assessment of cogeneration opportunities in selected Ontario industrial plants

Mauder and Britnell Engineering Limited. Toronto : Ministry of Energy, 1989. 120 p. MICROLOG 90-00725 2 fiche

Evaluation of the technical and financial viability of installing privately owned cogeneration systems in a cross-section of industrial plants in Ontario. The report characterizes financially feasible cogeneration systems applicable to industry, and identifies actions which could be taken by the Ministry of Energy to remove impediments to the development of private sector cogeneration projects. The analysis of cogeneration opportunities was based on audits of Ontario industrial plants, technical and financial analyses of multiple cogeneration scenarios for each plant, and reviews of the results with plant personnel. EN ON PR PS SC

### Assessment of cost effectiveness of R-2000 energy measures in the Prairies

by W.J. Mayhew. Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. ix, 92 p. : ill. Bibliogr. ISBN 0-88654-251-0  
MICROLOG 90-01164 2 fiche

Report which gives the results of an analysis of the actual costs of energy conservation measures and related building components used under the R-2000 program, determines the cost effectiveness of energy conservation measures, assesses the results and describes the differences in construction practices and incremental costs for local conditions, and makes recommendations, on a regional basis, on appropriate energy conservation techniques. The actual costs of R-2000 energy conservation measures and related building components were determined by examining recent costs reported by experienced R-2000 builders in Alberta, Saskatchewan, and Manitoba on a selected



sample of R-2000 houses. Energy consumption values were predicted using the HOT-2000 Energy Analysis Program. In addition, the actual R-2000 house designs were optimized using the HOT-2000 computer program to minimize incremental costs and maximize cost effectiveness. The resulting data were tabulated, assessed and used to develop recommendations.  
AL EN PR SC

### Assessment of current ISO physical and metallurgical methods for determining the quality of iron ore materials

by J.T. Price. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1980. 12 p. Bibliogr. (Report : ERP/ERL 80-15(TR))  
MICROLOG 90-04507 1 fiche

Description of CANMET investigations of the free-swelling, and reduction disintegration testing of iron-ore materials. Results contributed by other member countries to the 5 active working groups of Sub-Committee (SC) 3 are also summarized and the status of SC 3 documents recently reviewed is given.  
● CA CM NR PS SC

### Assessment of errors in airflow measuring instruments

by J. Bigu. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. viii, 125 p. : ill. (Report : MRL 90-055(TR))  
MICROLOG 90-07127 2 fiche

Comprehensive tests on the behaviour of several air sampling pumps were conducted, with extensive measurements of the pumps' airflow rates under a variety of experimental conditions using a number of airflow rate measuring devices. Pumps were tested using glass fibre filters and Millipore filters, both commonly used in radon (and thoron) progeny air sampling. The effect of the length of plastic tubing used to connect the filter/filter holder system to the intake port of the sampling pump, and the effect of attaching a length of plastic tubing to the exhaust port of the pump were also investigated. The investigation was partly prompted by previous experimental observations regarding 'abnormal' flowrate effects during the technical evaluation of an instant working level meter.  
● CA CM EV PS SC

### An Assessment of five upper Fraser River chinook salmon sport fisheries, 1988

by N.D. Schubert. New Westminster, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. xii, 58 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2051) ISSN 0706-6473  
MICROLOG 90-04975 1 fiche

The escapement of chinook salmon to the Fraser River system has improved since the early 1980s to an extent which permitted the reopening of sport fisheries in selected terminal areas beginning in 1986. In 1988, sport fisheries were opened in the Bowron, Bridge, Clearwater, Quesnel, Shuswap and South Thompson Rivers, with fishing time expanded over 1987 in the Shuswap and South Thompson Rivers. This report describes the study design and field procedures and documents the results of the 1988 sport fishery assessment studies in the Bowron, Bridge, upper Quesnel, lower Shuswap and Thompson Rivers. The report presents estimates of angler effort, harvest and release by species, and angler attributes in each fishery. It concludes with a discussion of results and recommendations for the management and assessment of future fisheries.  
● BC CA CF FI SC

### An Assessment of flood damage potential along the Magaguadavic River Valley from Second Falls to St. George

prepared for Canada-New Brunswick Flood Damage Reduction Program. S.I. : W.M.S. Associates Ltd., 1989. xiii, 96 p. : ill., maps. Bibliogr.  
MICROLOG 90-06374 2 fiche

Study to determine the maximum level of flooding in the area, based on a review of historic and archival information, and interviews with local residents and officials. An analysis was also made of the development potential and population trends within the area so that the impact of flooding on future development could be determined. The study area includes the community of Canal, part of Lake Utopia and the area subject to flooding adjacent to the river.  
AG AP CA SC

### Assessment of IAEA Safety Series no. 75-INSAG-3 : basic safety principles for nuclear power plants

Canada. Advisory Committee on Nuclear Safety. Ottawa : The Committee, 1989. ii, 9 p. Bibliogr. French ed. (Evaluation du rapport 75-INSAG-3...) on the same fiche.  
MICROLOG 90-01712 1 fiche

The advisory committee on nuclear safety (ACNS) reviewed the International Atomic Energy Agency safety series on basic safety in nuclear power plants (INSAG report) in the light of 2 ACNS reports on safety in nuclear power plants (ACNS-2 and ACNS-4). The INSAG report is structured around 3 overriding safety objectives and a set of 12 fundamental safety principles. In addition, there are a number of specific safety principles. The safety objectives specified in the INSAG report were assessed by ACNS in the context of ACNS-2, which deals with such objectives for nuclear activities in Canada, while the safety principles in the INSAG report were assessed in the context of the safety requirements of ACNS-4.  
● CA EN SC

### An Assessment of induced investments resulting from the purchases of goods and services made by the Canadian Parks Services, fiscal year 1988-89

Thompson Economic Consulting Services. Ottawa : Dept. of the Environment, Canadian Parks Service, Socio-Economic Branch, 1989. iii, 56 p.  
MICROLOG 90-03139 1 fiche

The purpose of this study is to examine the question of private-sector induced expenditures as they relate to spending by the Canadian Parks Service and to assess the economic impacts generated by these investment expenditures. It includes a review of recent projects, and a description of the methodology that can be used to assess the relationship between Canadian Parks Service expenditures and investment in the private sector. It then uses the recommended methodology to quantify the economic impacts resulting from induced private-sector investment in the 1988/89 fiscal year arising from the mix of goods and services purchased by the Canadian Parks Service. Finally, it provides a summary of findings about the nature of economic impacts attributable to private-sector investment induced by Canadian Parks Service spending.  
CA CO CU

### Assessment of N2O in flue gas

by G.C. Edwards and B. Handy. Toronto : Ontario Hydro, Research Division, 1989. i, 33 p. : ill. Bibliogr. (Report ; no. 89-117-K)  
MICROLOG 90-01170 1 fiche

An assessment of N2O levels in the flue gas of coal-fired power plants was undertaken. The paper gives a brief summary of the present scientific information on N2O and its accumulation in the atmosphere; discusses N2O in flue gas, highlighting measurements made to date and the speculation on its formation; outlines the techniques and methods used during the Nanticoke Thermal Generating Station tests; discusses the results of the work; and makes recommendations for future work.  
EN EV ON PR SC

### Assessment of performance and cost effectiveness of wind energy conversion systems

by M.S. Chappell and R.J. Templin. Ottawa : National Research Council Canada, Division of Energy, Wind Energy Program, 1984. vi, 22 p. : ill. (Technical memorandum ; TM-WE-010)  
MICROLOG 90-02328 1 fiche (Available on fiche only)

The cost-effectiveness of a wind energy conversion system (WECS) installation depends on many parameters and there are many different methodologies used to calculate it. This report outlines a simple procedure which takes account of most significant parameters that affect cost-effectiveness, and presents some discussion and illustrations of their relative importance and sensitivities. The 4 major factors which govern the economics of wind energy installations are the wind regime at the site, the performance of the WECS, its installed cost, and the projected operational/economic scenario. These factors and their interrelations are discussed. Introduction of simplifying yet realistic approximations allows a convenient assessment technique for WECS cost-effectiveness to be developed and presented as a multi-parameter nomograph, which illustrates the sensitivities of most major parameters. Example cases are cited to demonstrate the techniques.  
CA EN SC

### Assessment of proposed remedial action plans for Hamilton Harbour : final report

Marshall Macklin Monaghan Limited ; in association with Peat Marwick Consulting Group. Toronto : Ministry of the Environment, 1988. iv, 258 p. : ill., maps. Bibliogr.  
MICROLOG 90-05853 4 fiche

Study to evaluate and integrate the relevant biological, chemical, social and economic data and information to determine a cost/benefit framework for the Hamilton Harbour remedial action plan. The study identifies the remedial and mitigative measures for achieving the proposed uses of the Harbour and develops a framework for valuing the benefits associated with the resulting improvements in water quality and recreational activities. The preferred end use is that of a warm water fishery, plus recreational activities, shipping and navigation, wastewater receiving body, and industrial water supply.  
EV MU ON PR SC

### An Assessment of provincial legislation, building regulations and by-laws as a barrier to housing people with disabilities

HSP Humanité Services Planning. Ottawa : Canada Mortgage and Housing Corporation, 1988. iii, 47 p. : ill. Bibliogr.  
MICROLOG 90-01626 1 fiche

This study addresses the following question: To what extent do the Building Code, other provincial government regulations and legislation, and municipal by-laws impede discharge from an institution to a normal residential community setting for people with disabilities in Alberta? The study is based on a review of literature, an analysis of a sample of Alberta Land Use



By-Laws, and a survey of key informants.  
AL PR SA

**An Assessment of rainbow trout  
*Salmon gairdneri* population in the  
Upper Nechako River and the effects  
of a sportfishery closure**

by P.A. Slaney. Victoria : Ministry of  
Environment and Parks, 1986. ii, 37 p. : ill.  
Bibliogr. (Fisheries management report ; no.  
89) ISSN 0705-5390 ISBN 0-7726-0635-8  
MICROLOG 90-00632 1 fiche

The Nechako River, near Prince George in the  
central interior, has had a sport fishery active  
for rainbow trout, char and whitefish for  
several decades. In 1983 rainbow trout were  
enumerated in the upper 5 km of the river,  
along with several other streams, leading to  
restrictive regulations and rotating closures.  
Because little was known on the effect of such  
closures, population studies and sampling were  
conducted from 1983-86 to determine the  
abundance of rainbow trout in the river, the  
effects of the fishery closure, which was  
restricted to the Upper Nechako River, and the  
effectiveness of stocking 2 strains (lake and  
stream) of juvenile trout to augment the  
population.  
BC FI PR SC

**An Assessment of stocked fish  
populations in Smuts Lake**

by W.K. Liaw. Saskatoon, Sask. : Dept. of  
Parks and Renewable Resources,  
Saskatchewan Fisheries Laboratory, 1989. xi,  
41 p. : ill. Bibliogr. (Fisheries technical report  
; 89-2)  
MICROLOG 90-05893 1 fiche

Stocking of walleye in Saskatchewan has  
traditionally been done with newly hatched fry.  
However, lack of success with previous  
stocking has shifted the focus in recent years  
from stocking with fry to fingerlings. In 1988  
Smuts Lake was chosen as an experimental  
lake to compare the success of walleye fry vs.  
fingerling stocking. In May 1988, 100,000  
walleye fry were stocked in Smuts Lake, and  
in August, 4,160 pond-reared fingerlings were  
released. In 1982, the lake was stocked with  
adult yellow perch, which have successfully  
reproduced. Samples of walleye and yellow  
perch were obtained regularly from Smuts  
Lake during open water seasons in 1988 and  
1989 for growth and stomach content analyses,  
as well as for population estimates. This  
report documents the results of the walleye  
stocking and the current status of the yellow  
perch population in the lake.  
FI MS PR SC

**An Assessment of the 1989  
user/client survey : Nova Scotia,  
Canada**

by R.A. Pol. Dartmouth, N.S. : Environment  
Canada, Conservation and Protection, Inland  
Waters, Water Resources Branch, Hydrology  
Division, 1990. vi, 31 p. : ill. CS/ 22399.200.  
MICROLOG 90-06942 1 fiche

As a result of the Water Resources Branch's  
on-going need to promote its product (water  
quantity information) and to identify other  
potential clients, a user/client survey was  
initiated and completed in 1989. The pilot  
project covered user/clients in Nova Scotia and  
included identified users of hydrometric  
information and also potential clients. The  
survey was conducted to identify users and  
potential users of the Branch's data and to  
discover if the clients were aware of the data  
available, including the interpretive information  
produced. The report summarizes the findings  
of the survey project and includes the methods  
used.  
AP CA NR SC ST

**An Assessment of the fall Vedder-  
Chilliwack River sport fishery, 1988**

by I.W. Whyte and N.D. Schubert. New  
Westminster, B.C. : Dept. of Fisheries and  
Oceans, Fisheries Branch, 1990. ix, 24 p.  
Bibliogr. (Canadian manuscript report of  
fisheries and aquatic sciences ; no. 2050)  
ISSN 0706-6473  
MICROLOG 90-04976 1 fiche

The Vedder-Chilliwack River supports one of  
B.C.'s largest nontidal sport fisheries. During  
the fall, the fishery targets on coho salmon,  
although some effort has been directed towards  
chinook salmon since the river was reopened  
to the harvest of the species in 1984. Both  
populations are supplemented by releases of  
marked and unmarked hatchery reared smolts.  
This study assessed the angler effort, harvest  
and release in the Vedder-Chilliwack River from  
August 1-November 30, 1988.

• BC CA CF FI SC

**An Assessment of the feeding habits  
of harbour seals *Phocia vitulina* in the  
Strait of Georgia, British Columbia,  
based on scat analysis**

by P.F. Olesiuk, et al. Nanaimo, B.C. : Dept.  
of Fisheries and Oceans, Biological Sciences  
Branch, Pacific Biological Station, 1990. vii,  
135 p. : ill. Bibliogr. (Canadian technical  
report of fisheries and aquatic sciences ; no.  
1730) ISSN 0706-6457  
MICROLOG 90-05015 2 fiche

In B.C., recent concern over marine mammal-  
fishery conflicts focused mainly on the harbour  
seal. Accurate assessments of pinniped-prey  
interactions were generally precluded by the  
lack of information on their feeding habits. This  
report describes the seasonal and regional  
variations in the diet of harbour seals in the  
Strait of Georgia based on 2,841 scat samples  
collected from 58 sites (11 estuaries and 47  
non-estuary haulouts) in all months, and the  
diet compared with the diet in other regions of  
the province based on 159 samples. Prey  
remnants were separated from other fecal  
matter using an elutriator and prey identified  
using a wide variety of structures including  
otoliths, teeth, vertebrae, cranial, appendicular  
and caudal elements, and scutes and spines.  
A new index, called the split-sample index, was  
used to assess the relative importance of prey  
and the validity of the assumptions underlying  
the index, and scat analysis in general, were  
addressed. Annual prey consumption was  
estimated by combining dietary information with  
data on the abundance and distribution of seals  
and estimates of their daily food requirements.  
• BC CA CF FI LS SC

**Assessment of the iron-based,  
stressed-shell container**

by B. Teper and S.A. Reid. Toronto : Ontario  
Hydro, Research Division, 1989. v, 118 p. :  
ill. Bibliogr. (Report ; no. 89-214-K)  
MICROLOG 90-03534 2 fiche

An iron-based, stressed-shell container is  
proposed for the immobilization and disposal of  
used CANDU fuel bundles in an up-to-1000-m  
deep underground vault. The container is  
designed to hold 72 used fuel bundles and  
includes a 19-tube basket, a steel cask that  
provides the required structural strength and a  
thin titanium shell placed over the steel cask  
for corrosion protection. An alternative design  
is proposed having a thick steel shell that  
includes a corrosion allowance. A press-fit,  
self-locking closure is being developed to  
facilitate easy and reliable remote assembly.  
Performance of the design was assessed  
through finite element analysis of stresses,  
buckling deformations and the long term creep.  
The analysis was supported by test programs  
on closure strength, sealing capability and  
creep in steel at up to 150C.  
EN ON PR PS SC

**Assessment of the Manitoba and  
New Brunswick reports on the  
Meech Lake Accord : staff paper**

Toronto : Ministry of the Attorney General,  
1989. 38 p  
MICROLOG 90-01826 1 fiche

This document facilitates the process of shifting  
the focus of activity from select committees and  
task forces to governments through an analysis  
of the two most recent reports, the New  
Brunswick Select Committee on the 1987  
Constitutional Accord and the Manitoba Task  
Force on Meech Lake, against the background  
of the report of Ontario's Select Committee on  
Constitutional Reform.  
CI ON PA PR

**Assessment of the safety of  
transportation, distribution and  
storage of methanol fuels**

R.F. Webb Corporation Ltd. Ottawa :  
Transport Canada, 1988. 141 p. ill.  
Bibliogr. Summary report (34 p.) laid in  
MICROLOG 90-04492 2 fiche

Assessment of the safety of methanol fuels and  
comparison with gasoline and diesel in bulk  
transportation (ship/barge, rail and pipeline  
modes), distribution (by tank truck and at  
service stations), and storage (at bulk terminals  
and service stations). Vehicle repair is also  
included, but vehicle operation is not. The  
safety assessment includes the frequency and  
magnitude of methanol spills, the frequency and  
effects of fires and explosions and notes on  
the toxicity of the fuel.  
CA EN SC TR

**Assessment of the Takla Landing  
contour trench wastewater disposal  
system : a report**

to Canada Mortgage and Housing  
Corporation...et al. Vancouver, B.C.  
NovaTec Consultants Inc., 1989. 64 p. : ill.,  
maps. Bibliogr.  
MICROLOG 90-06835 1 fiche

The community of Takla Landing is located on  
Takla Lake Band Reserves No. 7 and 7A on  
the east shore of Takla Lake, approximately  
120 km north of the Village of Fort St. James.  
A 2-year monitoring study of the disposal  
system was carried out to evaluate the effect  
of synthetic geotextile, the insitu material (a  
moderate to high permeable sand/gravel) and a  
specified sand trench bottom surface infiltrative  
media for their ability to enhance the formation  
of a biomat, or biological/organic material layer.  
Wastewater samples were collected using  
sampling devices located directly underneath the  
trench bottom and analyzed for BOD/COD,  
nutrients and bacterial quality. Groundwater  
samples were collected from monitoring walls  
positioned downslope of the test section of the  
contour trench and the analytical data  
compared with the background groundwater  
quality for nutrient and bacterial concentrations.  
Biomat samples were collected and analyzed  
for microbial activity and subjected to scanning  
electron microscopy.  
BC CA EV PW SC

**Assessment of tower corrosion for  
the transmission line refurbishment  
program**

by A.S. Williamson. Toronto : Ontario Hydro,  
Research Division, 1990. ii, 4 p. (Report ;  
no. 90-102-K)  
MICROLOG 90-06094 1 fiche

An assessment of the condition of transmission  
tower structure in the Central and Western  
Region transmission lines which are to be  
refurbished was made between December 1989  
and March 1990. This was done to ascertain  
what remedial actions might be needed both  
now and during the new conductor life of 40-  
60 years to ensure the maintenance of  
adequate structural integrity. A few towers



were examined from a bucket truck and the remainder were surveyed from the air.  
EN ON PR PS SC

# **Assessment of Waterloo flash pyrolysis process to obtain liquid fuels from Canadian peat**

by D.S. Scott. Ottawa : Energy, Mines and Resources Canada, Renewable Energy Branch, Waterloo, Ont. : University of Waterloo, Waterloo Research Institute, 1988. xv, 142 p. : ill. Bibliogr.  
MICROLOG 90-00386 2 fiche

Description of the first study of the pyrolysis of a Canadian peat to obtain a maximum yield of liquids by an economical and low capital cost process. The Waterloo fast pyrolysis process (WFPP), an atmospheric pressure fluidized bed thermal pyrolysis process, was chosen for evaluation because of its success in achieving high liquid yields when biomass was used as a feedstock. A series of pyrolysis tests at different process conditions were carried out in the small WFPP pilot plant at feed rates of 1-2 kg/h to establish optimal process conditions for maximum liquid yields, and to produce sufficient quantities of pyrolysis oil to allow an evaluation of the composition of the oil. In addition, a series of tests on various grades of peat were carried out to evaluate the fluidized bed as a dryer for milled peat.  
• CA EN ON PS SC

# **Assessment work catalogue, Reindeer area, Saskatchewan**

by R.W. Bennett. Regina : Saskatchewan Energy and Mines, Saskatchewan Geological Survey, 1990. v, 283 p. (Miscellaneous report ; 90-5) ISSN 0228-5657  
MICROLOG 90-04313 3 fiche

Index to assessment work in the Reindeer Mining District. Most of the entries are records of assessment work submitted from 1931-89. Each entry includes file number, company or claim holder, company or joint venture partners, geographic location, property description and project name showings, latitude and longitude, date of work, type of work, by whom, maps, assays, and analyses. Confidential files are indicated. The assessment work is grouped according to the National Topographic System (NTS) of numbering map sheets.  
MS NR PR SC

# **Assessment, treatment and related services available to young offenders in Prince Edward Island**

Charlottetown : Dept. of Justice, Community and Correctional Services, 1989. 55 p.  
MICROLOG 90-03864 1 fiche

Each section of the inventory profiles agencies/organizations that provide a range of services including: addictions; family/social services; mental health services; and education, employment, occupational training and life skills programs.  
AP CI JU PR

# **An Assessment (1987) of wood protection (anti-sapstain) facilities in the British Columbia Lower Mainland area**

by R.D. Glue and P.K. Krahn. West Vancouver, B.C. : Environment Canada, Conservation and Protection, Environmental Protection, Pacific and Yukon Region, 1988. v, 35 p. Bibliogr. (Regional program report ; 87-20)  
MICROLOG 90-03133 1 fiche

In 1984, a mailout survey was conducted of wood protection operations at sawmills and lumber-export terminals to measure the degree of implementation of recommendations made in a Code jointly published and distributed by the federal and provincial governments in

December 1983. The mailout was repeated in 1986. This report is based on an audit of 26 B.C. Lower Mainland mills which were previously surveyed by the 1984 and 1986 questionnaires. The 1987 audit increased the number of criteria against which a mill could be scored from 14 to 22 and assessed each criteria on a weighted scale of risk to the environment. Descriptions are given of the weighted criteria, along with mill scores for implementation of environmental design criteria, including risk of contamination of storm water runoff.  
• BC CA FO SC

# **The Assimilation number and its variations in the cultures and natural populations of marine phytoplankton**

by V.I. Vederikov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 35 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5122) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-00052 1 fiche

The pigments of plastids encountered in marine phytoplankton are classified into 4 main groups on the basis of their chemical structure: chlorophylls 'a', 'b' and 'c', and carotenes. This paper calculates the mean chlorophyll ratios in various groups of algae which are characteristic of marine phytoplankton, and describes the role of chlorophyll 'a' in photosynthesis.  
• CA CF FI LS SC

# **Association des universités et collèges du Canada : Rapport annuel 1988-89**

Ottawa : l'Association, 1989. 28, 28 p. : ill. Bilingue. Rapport annuel mise à jour (6, 6 p.) incl. CSI 99408.001. ISSN 0830-2235  
ISBN 0-88876-120-1  
MICROLOG 90-02600 1 fiche

Ce document présente le Rapport annuel de l'Association des Universités et Collèges du Canada pour l'année 1988-89. On y donne des renseignements sur les points suivants: la direction; les affiliés; la Division des bourses; la Division des communications; la Division des relations avec les gouvernements; la Division internationale; la Division de la recherche, de la politique et de la planification; la Division des finances et de l'administration; et, les états financiers.  
• CA ED

# **Association of chlorophyll A with physical and chemical factors in Lake Ontario, 1967-81**

by A.H. El-Shaarawi...et al. Burlington, Ont. : National Water Research Institute, 1989. 20 p. Bibliogr.  
MICROLOG 90-01577 1 fiche

Paper on the statistical relationships between chlorophyll a and other commonly measured water quality variables, and the stability of these relationships seasonally and over time, to provide insight into the overall limnological processes influencing the trophic status of Lake Ontario.  
EV ON PR SC

# **Association of Universities and Colleges of Canada : Annual report 1988-89**

Ottawa : The Association, 1989. 28, 28 p. : ill. Bilingual. Annual report update (6, 6 p.) laid in. CSI 99408.001. ISSN 0830-2235  
ISBN 0-88876-120-1  
MICROLOG 90-02600 1 fiche

This annual report focusses on the Association's participation in the National Forum on Postsecondary Education. There is also discussion of the association's relations with governments, its efforts to reach out to a

broader community, and its relations with the international community. A report of the research, policy and planning division as well as the finance and administration division is given. The document also includes financial statements.  
• CA ED

# **Association pétrolière du Canada : Rapport annuel 1989**

Calgary, Alta. : l'Association, 1990. 28, 28 p. : ill. Bilingue. CSI 99512.001.  
MICROLOG 90-05109 1 fiche (Available on fiche only)

Les pages de ce rapport annuel décrivent en détail quelles ont été les réalisations de l'Association pétrolière du Canada pendant l'année 1989. Les sujets traités se limitent aux principales questions parmi les multiples dossiers dont s'occupe l'Association. Ceux-ci vont de l'analyse des questions économiques complexes à la formulation de réponses aux simples questions posées par des élèves de première année. Ce rapport brosse donc un tableau général.  
• CA EN SC ST

# **L'Assurance automobile dans l'industrie du taxi au Québec**

Québec : Gouvernement du Québec, Comité de travail sur les assurances dans l'industrie du taxi, 1988. xxi, 57 p. Bibliogr.  
CSI 66123.204. ISBN 2-550-19116-1  
MICROLOG 90-04288 1 fiche

Présente le rapport final du Comité de travail sur les assurances dans l'industrie du taxi. Il examine la problématique (les observations du rapport du Comité sur le taxi, la position des taxis dans le rapport du Comité, les demandes des taxis devant la commission parlementaire, les autres représentations de l'industrie du taxi et la synthèse de la problématique); et, l'analyse (les effets de la réforme de l'assurance automobile, l'équité de la tarification de la Régie de l'assurance automobile du Québec, l'accessibilité à l'assurance privée pour la responsabilité civile pour dommages matériels aux tiers; le calcul des primes, et le rôle de l'inspecteur général des institutions financières).  
CO PR QU SC ST TR

# **Assurance-chômage : jugements récents sur la Loi et la Charte**

par J.-D. Bélanger. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 16 p. (Etude générale ; BP-191F) L'éd. anglaise (Unemployment insurance...) sur la même fiche. ISBN 0-660-92696-2  
MICROLOG 90-01915 1 fiche

Deux jugements de 1988 de la Cour fédérale, l'un de la Division de première instance, l'autre de la Cour d'appel, ont eu recours à la Charte pour déclarer inconstitutionnelles certaines dispositions de la 'Loi de 1971 sur l'assurance-chômage'. En plus de s'appliquer à des situations concrètes assez fréquentes de nos jours, ces jugements expriment un changement dans l'attitude de la société envers les parents au foyer et les personnes âgées. Ce document se penche particulièrement sur l'affaire Schachter: prestations pour les pères naturels restant à la maison, et, sur l'affaire Tétreault-Gadoury: prestations pour les travailleurs âgés de 65 ans et plus.  
CA JU LA

# **L'Asthme des travailleurs des conserveries de crabe : un résumé des risques sur le plan professionnel**

par R. Bertolini. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 6 p. Bibliogr. ISBN 0-660-92681-4  
MICROLOG 90-02166 1 fiche

L'asthme des travailleurs des conserveries de crabe désigne l'asthme dû à l'inhalation des poussières, des aérosols ou des vapeurs qui



se dégagent durant la transformation du crabe. Cet asthme est attribuable à une réaction anormale de l'organisme à certaines substances chimiques se trouvant dans la chair ou dans la carapace du crabe. Cette réaction anormale, appelée sensibilisation, se produit après des périodes variables d'exposition en milieu de travail. Ce document fait la lumière sur cette maladie respiratoire qui cause l'obstruction des voies respiratoires, rendant la respiration difficile.

• CA HE LA LS

#### The ATAIR : a survey, wreck-search and research vessel

by W. Bartscher, et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 56 p. : ill. (Canadian translation of fisheries and aquatic sciences, no. 5383) Originally published in German. ISSN 0704-3716 MICROLOG 90-01553 1 fiche

Description of the ATAIR, a survey wreck-search and research vessel based at Hamburg, West Germany. The description covers the operational duties of the vessel, including marine surveys and wreck-searching, oceanographic studies, technical analysis and type testing of nautical instruments and equipment; and a description of the vessel, including hull design, fixed equipment, manoeuvring, stabilizer, life saving facilities, and special equipment. Detailed diagrams are also included.

• CA CF FI SC

#### Atelier de travail canadien sur les algues marines nuisibles : comptes-rendus

édités par S.S. Bates et J. Worms. Moncton, N.-B. : Ministère des pêches et des océans, Centre des pêches du Golfe, 1989. iv, 64 p. (Rapport technique canadien des sciences halieutiques et aquatiques ; no 1712) L'éd. anglaise (Canadian Workshop on Harmful...) : 90-02329/1. ISSN 0706-6570 MICROLOG 90-02330 1 fiche

A la suite de la crise des moules toxiques de l'est de l'I.P.E. en 1987, et considérant l'intérêt grandissant de la communauté scientifique pour le domaine des toxines marines et autres effets néfastes des efflorescences algales, le besoin se fait sentir d'établir un mécanisme pour promouvoir l'échange d'informations scientifiques nouvelles sur les algues marines nuisibles et leurs effets, favoriser le développement de programmes de recherche collaboratif et co-opératif, et encourager les nouvelles initiatives de recherche. Dans ce document, vous trouverez les résumés de la conférence d'ouverture et des présentations, les rapports des trois sessions et de la discussion/débat, les grandes lignes des programmes de recherche opérés par diverses agences fédérales et provinciales, les priorités de recherches telles qu'elles se sont dégagées de l'ensemble de l'atelier, et la liste des participants.

• CA CF FI LS SC

#### Atelier sur la gestion de l'eider : rapport

rédigé et revu par C.-A. Drolet. Québec : Service canadien de la faune, 1989. 68 p. : ill. Bibliogr. Les rapports sont dans la langue de présentation, français ou anglais (Workshop on Eider Management...) MICROLOG 90-06695 1 fiche

Les eiders sont une espèce de gibier recherchée par de nombreux chasseurs de régions côtières, depuis le chasseur inuit de la baie d'Ungava et du détroit d'Hudson jusqu'aux habitants de Terre-Neuve et du Labrador, en passant par les chasseurs sportifs du Québec, de la Nouvelle-Ecosse ou des côtes du Maine et du Massachussets. Ce rapport contient les résultats de l'atelier. On y trouve le sommaire des discussions et les recommandations, puis le

résumé des documents qui ont été présentés. Dans le cas de certains documents qui avaient déjà été publiés dans la Série de rapports no. 47 'Les eiders au Canada', le résumé utilisé se fonde sur celui de la publication.

• CA EV LS NO SC

#### Atelier sur les affections dorsales occasionnées par le travail

Atelier sur les affections dorsales occasionnées par le travail (1987 : Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. 69 p. Bibliogr. ISBN 0-660-92480-3 MICROLOG 90-01939 1 fiche

Les lésions dorsales représentent le pourcentage le plus élevé d'accidents du travail indemnisables; l'on estime qu'un nombre égal d'accidents ne sont pas signalés. Les 12 et 13 novembre 1987, le CCHST a tenu un atelier visant à sensibiliser davantage le public au problème et explorer la voie à suivre. Ce document en présente les résultats.

• CA HE LA

#### Ateliers régionaux sur les statistiques d'hygiène et de sécurité au travail

Ateliers régionaux sur les statistiques d'hygiène et de sécurité au travail (1989 : Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. 83 p. L'éd. anglaise (Occupational Health and Safety...) : 90-03623/1. ISBN 0-660-92950-3 MICROLOG 90-05764 1 fiche

Chaque atelier a pour but d'étendre la base des connaissances et de susciter des recommandations. Il s'agit d'améliorer ce qui existe et non de s'en débarrasser. Ayant pour but général d'améliorer la santé et la sécurité dans les lieux de travail au Canada et d'établir un consensus, le CCHST facilite la mise en oeuvre de cinq ateliers régionaux qui permettent d'étudier les besoins des gouvernements, des employeurs, des travailleurs et d'autres groupes en matière de statistiques sur l'hygiène et la sécurité au travail, de définir les améliorations qui s'imposent dans le domaine des statistiques d'hygiène et de sécurité au travail; et, de formuler des recommandations précises à l'intention des ministres concernés. Ce document se penche sur cette question.

• CA HE LA

#### Atikokan District fisheries management plan, 1988-2000

Toronto : Ministry of Natural Resources, 1989. i, 72 p. : maps. Bibliogr. Fold. maps: not filmed. ISBN 0-7729-4218-8 MICROLOG 90-01987 1 fiche

This fisheries management plan establishes both long- and short-term planning direction to the management of the fisheries resource within Atikokan District by identifying long-term management until 2000 and short-term actions for the next 5 years. This report covers the purpose and process; background information on the resource use and projections for sport fishing, area tourism, commercial food fish, commercial baitfish, and the Indian harvest; both general and specific management direction, strategies and tactics for sport fish, lake trout, commercial food and bait fishing, environmental quality/habitat loss, communication with the public, user conflicts, and lack of scientific and technical knowledge; and an implementation schedule.

FI ON PR SC

#### Atikokan TGS aquatic studies, 1981 to 1988, I : physical characteristics

by G.T. Haymes. Toronto : Ontario Hydro, Research Division, 1989. vi, 40 p. : ill. Bibliogr. (Report ; no. 89-292-K) MICROLOG 90-03993 1 fiche

Atikokan Thermal Generating Station consists of one 200 MW lignite-fired unit. The condenser-

cooling-water for the station is drawn from the 10-m depth of Moose Lake and discharged at the surface into Snow Lake, circulating through Snow, Icy, Abie and Marmion Lakes before returning to Moose Lake. Aquatic studies were conducted for 3 years before commissioning and for 3 years following commissioning. Less intensive studies were also conducted during the commissioning of the station. These studies identify changes in components of the aquatic environment which may be attributed to the construction or operation of the generating station. Pre- and post-operational aquatic studies were initiated in 1981 and were completed in 1988. This report integrates the physical data (temperature, dissolved oxygen, substrates, currents and water clarity) collected during the course of the study and evaluates the effects of the station on these physical parameters.

EN EV ON PR SC

#### Atikokan TGS aquatic studies, 1981 to 1988, II : water chemistry

by G.T. Haymes. Toronto : Ontario Hydro, Research Division, 1989. v, 39 p. : ill. Bibliogr. (Report ; no. 89-276-K) MICROLOG 90-03529 1 fiche

Atikokan Thermal Generating Station consists of one 200 MW lignite-fired unit, with the condenser-cooling-water drawn from the 10-m depth of Moose Lake and discharged at the surface into Snow Lake. The discharge water circulates through Snow, Icy, Abie and Marmion Lakes before returning to Moose Lake. Pre- and postoperational aquatic studies were initiated in 1981 and were completed in 1988. This report presents chemical data collected during 1987 and 1988, integrates the chemical data from the entire study and evaluates the effects of the station on the water chemistry of the cooling circuit.

EN EV ON PR SC

#### Atikokan TGS aquatic studies, 1981 to 1988, III : plankton and macrophytes

by J.K. Kwik and T.G. Dunstall. Toronto : Ontario Hydro, Research Division, 1989. ix, 115 p. : ill., maps. Bibliogr. (Report ; no. 89-138-K) MICROLOG 90-01171 2 fiche

This report presents the results of the primary production, phytoplankton, zooplankton and macrophyte studies conducted as part of the postoperational aquatic studies at Atikokan Thermal Generating Station, Ontario, in 1987 and 1988. They are compared to data collected during the preoperational (1981-83) and commissioning (1985) phases, and 1986 postoperational studies, to identify changes in components of the aquatic environment which may be related to the construction or operation of the generating station.

EN EV FI ON PR SC

#### Atlantic bluefin tuna market review, April, 1990

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1990. 14 p. : ill. (Economic and commercial analysis report ; no. 60) French ed. (Thon rouge de l'Atlantique.) on the same fiche. ISSN 0843-5626 ISBN 0-662-17853-X MICROLOG 90-05223 1 fiche

Market analysis for bluefin tuna, including demand, supply, and prices. Extensive data is included.

• AP CA CF CO FI SC ST

#### Atlantic capelin market review, April, 1990

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1990. 14 p. : ill. (Economic and commercial analysis report ; no. 59) French



ed. (*Revue du marché du capelan...*) on the same fiche. ISSN 0843-5626 ISBN 0-662-17852-1

MICROLOG 90-05224 1 fiche

Review of the market for Atlantic capelin, including demand, supply and prices. Detailed statistics are included for the last 5 years.

• AP CA CF CO FI SC

#### **Atlantic Fisheries Restructuring Act : Annual report 1986-87**

Ottawa : Dept. of Fisheries and Oceans, 1988. 3, 3 p. *Bilingual. CSI 21105 028. ISBN 0-662-56244-5*

MICROLOG 90-02248 1 fiche

Annual report of the Act, passed in November 1983 for the provision of financial assistance for the restructuring of Atlantic fishery enterprises, to facilitate the development of economically viable and competitive Atlantic fisheries. This report covers the acquisition, pledge and disposal of shares of 125459 Canada Ltd. and NSHOLDCO Ltd. and appropriations from the federal government.

AP CA CF FI SC

#### **Atlantic Fisheries Restructuring Act : Annual report 1987-88**

Ottawa : Dept. of Fisheries and Oceans, 1988. 3, 3 p. *Bilingual. CSI 21105 028. ISBN 0-662-56245-3*

MICROLOG 90-03034 1 fiche

Annual report on the Act, passed in 1983 and authorizing the Minister of Fisheries and Oceans to invest in and provide financial assistance for the restructuring of Atlantic fishery enterprises, in order to facilitate the development of economically viable and competitive Atlantic fisheries. This report describes the Act and its conditions, the acquisition, pledge and disposal of shares during the year, contributions, loans and guarantees, and appropriations.

AP CA CF FI SC

#### **Atlantic herring market outlook**

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1990. 24, 25 p. : ill. (Economic and commercial analysis report, no. 50) *Bilingual (Perspectives du marché...)* CSI 21105.204. ISSN 0843-5626 ISBN 0-662-57283-1

MICROLOG 90-04237 1 fiche

Canada's harvesting and processing of herring have varied considerably over the last 15 years, reflecting changes in world supply, new product development, and consumption patterns. This outlook includes three main sections. First, it examines the markets and areas of possible expansion. Secondly, the resource, or supply side of world herring is examined. This is followed by a section on prices, and a summary outlook for herring products.

• AP CA CF FI

#### **Atlantic Lotto (Canada) : Annual report 1988-89**

Moncton, N.B. : The Corporation, 1989. 12 p. : ill. *French ed. on the same fiche. CSI 32101.001*

MICROLOG 90-02270 1 fiche

This annual report contains a retailer profile, a review of focus groups, sales by province, and profit distributed to the Atlantic Provinces. Includes financial statements.

AP CU PR ST

#### **Atlantic Pilotage Authority (Canada) : Annual report 1987**

Halifax : The Authority, 1988. 14, 14 p. *Bilingual. CSI 22103.001.*

MICROLOG 90-00511 1 fiche

Annual report of the Authority, presenting information on members of the Authority and

its committees, highlights of the year, and a financial statement.

• AP CA SC TR

#### **Atlantic Pilotage Authority (Canada) : Annual report 1988**

Ottawa : The Authority, 1989. 14, 14 p. *Bilingual. CSI 22103.001.*

MICROLOG 90-00876 1 fiche

Annual report of the Authority, covering its objectives and activities, pilotage areas, and highlights of the year's activities. A financial statement is included.

• AP CA SC TR

#### **Atlantic Pilotage Authority (Canada) : Annual report 1989**

Halifax : The Authority, 1990. 14, 14 p. *Bilingual. CSI 22103.001.*

MICROLOG 90-04706 1 fiche

Annual report of the Authority, a Crown corporation established to operate, maintain and administer a safe and efficient pilotage service within designated Canadian waters. The report presents an overview of the year's activities and financial statements for the year ending December 31, 1989.

• AP CA SC TR

#### **Atlantic Provinces Resource Centre for the Hearing Handicapped : Annual report 1988-89**

Amherst, N.S. : The Centre, 1989. 47 p. *CSI 32130.001. ISSN 0703-4423*

MICROLOG 90-06593 1 fiche

The annual report lists all personnel at the Centre, on the Program Advisory Committee, and at the Atlantic Provinces Special Education Authority. Includes data on student enrolment, by sex, province of origin, student status and names of students, as well as brief descriptions of programs and events for the year.

AP ED HE PR SA

#### **Atlantic region federal-provincial toxic chemical survey of municipal drinking water sources : data summary report, Province of New Brunswick, 1985-88**

Moncton, N.B. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Quality Branch, 1989. iv, 316 p.

MICROLOG 90-06944 4 fiche

The Federal-Provincial Survey was conceived as an intergovernmental and interdepartmental project to assess the quality of raw water entering municipal distribution systems in the Atlantic Region. This report presents the raw data for the province of N.B. for 1985-88. All chemical analyses performed are tabulated by municipality. Sections of the interpretive report are included in this data summary to provide a narrative for the data.

AP CA EV MU SC

#### **Atlantic region federal-provincial toxic chemical survey of municipal drinking water sources : data summary report, Province of Newfoundland, 1985-88**

Moncton, N.B. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Quality Branch, 1989. iv, 311 p. Bibliogr.

MICROLOG 90-06831 4 fiche

The Federal-Provincial Survey was conceived as an intergovernmental and interdepartmental project to assess the quality of raw water entering municipal distribution systems in the Atlantic Region. This report presents the raw data for the province of Newfoundland from 1985-88. Chemical analyses are tabulated by municipality and sections of the interpretive report are included to provide a narrative for

the data.

AP CA EV MU SC

#### **Atlantic region federal-provincial toxic chemical survey of municipal drinking water sources : data summary report, Province of Nova Scotia, 1985-88**

Moncton, N.B. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Quality Branch, 1989. iv, 317 p.

MICROLOG 90-06945 4 fiche

The Federal-Provincial Survey was conceived as an intergovernmental and interdepartmental project to assess the quality of raw water entering municipal distribution systems in the Atlantic Region. This report presents the raw data for the province of N.S. for 1985-88. All chemical analyses performed are tabulated by municipality. Sections of the interpretive report are included in this data summary to provide a narrative for the data.

AP CA EV MU SC

#### **Atlantic region federal-provincial toxic chemical survey of municipal drinking water sources : data summary report, Province of Prince Edward Island, 1986-88**

Moncton, N.B. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Quality Branch, 1989. iv, 238 p.

MICROLOG 90-06946 3 fiche

The Federal-Provincial Survey was conceived as an intergovernmental and interdepartmental project to assess the quality of raw water entering municipal distribution systems in the Atlantic Region. This report presents the raw data for the province of P.E.I. for 1985-88. All chemical analyses are tabulated by municipality. Sections of the interpretive report are included in this report to provide a narrative for the data.

AP CA EV MU SC

#### **Atlantic salmon fishery in Newfoundland and Labrador, commercial and recreational, 1984**

by E.G.M. Ash and M.F. O'Connell. St. John's : Dept. of Fisheries and Oceans, Science Branch, 1987. v, 294 p. : ill., maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 658) *CSI 21105.021. ISSN 0706-6465*

MICROLOG 90-00648 4 fiche

Report providing catch and effort data in the Atlantic salmon commercial and recreational fisheries in Newfoundland and Labrador in 1984. Data from the commercial fishery are summarized weekly; catches are given by weight and number for statistical sections, areas, management areas, NAFO unit areas and divisions, Newfoundland Region (insular, Labrador and total). Historical, catch, effort, and mean weight data are also provided. Catch and effort data collected from the recreational fishery are also summarized weekly; data are given by river, statistical section, statistical area, Gulf Region (Newfoundland portion), Newfoundland Region (insular, Labrador, total), provincial summary (insular, Labrador, total). Scheduled rivers are listed alphabetically and geographically. Historical data from 1953-84 are given for insular Newfoundland, Labrador, and the province.

AP CA CF FI SC ST

#### **Atlas d'anatomie et d'histologie des larves et des premiers stades juvéniles du pétoncle japonais *Patinopecten yessoensis***

par S.M. Bower et G.R. Meyer. Ottawa : Ministère des pêches et des océans, 1990.



iv, 51 p. : ill. Bibliogr. (Publication spéciale canadienne des sciences halieutiques et aquatiques ; 111) *Bilingue* (*Atlas of anatomy...*). ISSN 0706-6481 ISBN 0-660-55697-5  
MICROLOG 90-04810 1 fiche

Le perfectionnement des techniques de culture du pétoncle japonais réalisé grâce à une mariculture expérimentale en Colombie-Britannique a permis la mise sur pied d'une entreprise commerciale dans cette région. Afin d'aider cette nouvelle industrie, on a étudié la morphologie des larves et des premiers stades juvéniles du pétoncle afin d'obtenir des données fondamentales qui permettront d'évaluer l'état de santé au cours des premiers stades vitaux des pétoncles de la famille des Pectinidae. Cet atlas illustre porte sur l'anatomie et l'histologie des larves et des premiers stades juvéniles de *Patinopecten yessoensis*.  
CA CF FI LS SC

#### Atlas d'histologie de la morue franche *Gadus morhua*, première partie : tube digestif et organes annexes

par C.M. Morrison. Ottawa : Ministère des pêches et des océans, 1987. iv, 219 p. : ill. Bibliogr. (Publication spéciale canadienne des sciences halieutiques et aquatiques ; 98) *Bilingue* (*Histology of the Atlantic cod...*). ISSN 0706-6481 ISBN 0-660-53817-2  
MICROLOG 90-00007 3 fiche

Cet atlas se veut une étude de l'histologie de la morue franche, *Gadus morhua*, servant à évaluer l'incidence de certains facteurs comme les maladies, les parasites et les polluants. Il sert aussi d'ouvrage de référence pour des études de lissus semblables chez d'autres espèces. L'atlas comprend des micrographies prises au microscope optique et au microscope électronique à transmission, de l'appareil digestif et des organes associés (vésicule biliaire, foie, pancréas et vessie natale). Sont aussi incluses des micrographies de l'appareil digestif et de la vessie natale, prises au microscope électronique à balayage.  
AP CA CF FI LS SC

#### Atlas des plantes vasculaires rares de l'Ontario, partie 4

éditeurs George W. Argus...et al. Ottawa : Musées nationaux du Canada, Musée national des sciences naturelles, Division de la botanique, 1987. 370 p. : cartes géogr. Bibliogr. *Bilingue* (*Atlas of the rare vascular...*).  
MICROLOG 90-00370 5 fiche

Ce document donne la situation, l'habitat, les remarques et les sources de renseignement en ce qui concerne les plantes vasculaires rares de l'Ontario.  
CA LS ON SC

#### Atlas of anatomy and histology of larvae and early juvenile stages of the Japanese scallop *Patinopecten yessoensis*

by S.M. Bower and G.R. Meyer. Ottawa : Dept. of Fisheries and Oceans, 1990. iv, 51 p. : ill. Bibliogr. (Canadian special publication of fisheries and aquatic sciences ; 111) *Bilingue* (*Atlas of anatomy...*). ISSN 0706-6481 ISBN 0-660-55697-9  
MICROLOG 90-04810 1 fiche

The advances made during experimental mariculture of the Japanese scallop in B.C. resulted in the initiation of a commercial operation in this region. In support of this new industry, the morphology of larval and early juvenile stages of the scallop were examined to provide baseline information against which the health status of mass reared scallops could be assessed during the early life stages. Published information on the histology of early life stages of any member of the family Pectinidae is limited. This pictorial atlas

presents examples of morphological structures observed during early developmental stages of the scallop *Patinopecten yessoensis* and is intended as a basic reference source.  
CA CF FI LS SC

#### Atlas of physical oceanographic data for current surge studies near the Gully, Scotian Shelf, 1984

by H. Sandstrom and J.A. Elliott. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 304 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 117) ISSN 0711-6774  
MICROLOG 90-05149 4 fiche

This is the third in a series of atlases prepared for a program to study the incidence of large amplitude tidally generated internal waves along east coast continental shelves. It covers CSS DAWSON cruise 84-034, which collected field data in the vicinity of the Gully east of and adjacent to Sable Island near 59W from August 15-September 1, 1984. Two moorings were deployed for the duration of the cruise. The bulk of the data reported were collected with a CTD, BATFISH and 12 kHz Raytheon Sounder. The site was chosen to provide detailed observations of soliton-like features present in SLAR images of the area. Also this region has been the site of numerous exploratory wells and therefore of special interest to the oil industry.  
● AP CA CF NR PS SC

#### Atlas of physical oceanographic data for current surge studies on the Grand Banks of Newfoundland, 1985

by H. Sandstrom and J.A. Elliott. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 472 p. : ill., maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 121) ISSN 0711-6774  
MICROLOG 90-02160 5 fiche

This is the fourth in a series of atlases prepared to study the incidence of tidally generated large amplitude internal waves and associated current surges along east coast continental shelves. This atlas covers CSS DAWSON cruise 85-024 to the edge of the Grand Banks in the vicinity and to the east of the Hibernia exploration area. The field data were collected near the shelf edge and extending into Flemish Pass centered on 47 N latitude from August 13-28, 1985. Two moorings were deployed and recovered. CTD, BATFISH, Ametek Straza Acoustic Doppler Current Profiler, and 12 kHz Raytheon Sounder equipment were operated from the ship. This cruise studied the nature of the internal tide and the short waves and compared the process to that in the Scotian Gully and near the Gully.  
● AP CA CF FI NR SC

#### Atlas of physical oceanographic data for current surge studies on the Scotian Shelf, 1983

by H. Sandstrom and J.A. Elliott. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 379 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 114) ISSN 0711-6774  
MICROLOG 90-05150 4 fiche

Second in a series of atlases prepared for a program to study the incidence of large amplitude tidally generated internal waves along east coast continental shelves. It covers CSS DAWSON cruise 83-024, during which field data was collected in the vicinity of the shelf edge of the Scotian Gulf centered on 63.30W. The program was conducted from August 19-30, 1983. Two moorings were deployed and recovered. CTD, BATFISH, Ametek Straza Doppler current profiler, and 12 kHz Raytheon Sounder equipment were operated from the ship. This cruise collected data that would show the mechanism whereby energy flows

from the surface tide to the internal waves and then supposedly to mixing and dissipation, and compared the process with a summer time density profile with the previous data collected with a winter time density profile.  
● AP CA CF NR PS SC

#### Atlas of the rare vascular plants of Ontario, part 4

edited by George W. Argus...et al. Ottawa : National Museums of Canada, National Museum of Natural Sciences, Botany Division, 1987. 370 p. : maps. Bibliogr. *Bilingue* (*Atlas des plantes vasculaires...*).  
MICROLOG 90-00370 5 fiche

Atlas of rare vascular plants, listed alphabetically and giving habitat, status, maps indicating habitat, and notes.  
CA LS ON SC

#### Atlas sur l'état de l'environnement du fleuve Saint-Laurent

Service canadien de la faune. Stratégies et méthodes scientifiques. Ottawa : la Division, 1989. 169 p. : cartes géogr. Bibliogr. (Rapport technique ; no 12)  
MICROLOG 90-06273 2 fiche

L'environnement est un système complexe de composantes interreliées peu commode à évaluer et dont il est difficile de faire la synthèse. L'approche traditionnelle souvent utilisée pour étudier un système complexe comme l'environnement, consiste à le diviser en composantes spécifiques plus maniables telles que l'air, la terre, l'eau, la flore. Pour bien comprendre l'état de l'environnement, il est nécessaire d'adopter une approche holistique pour étudier les interrelations entre les activités humaines et les conditions environnementales. Le but visé par ce document est de permettre une meilleure lecture de quelques éléments interdépendants dans le cadre de ces interrelations, plus précisément sur les relations intersectorielles entre les activités humaines d'une part, et de la qualité de l'environnement du fleuve d'autre part.  
EV PR PS QU SC

#### Atmospheric change : human ecology in disequilibrium

by W.E. Rees. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1989. 23 p. Bibliogr. (Discussion paper ; no. 17) ISSN 0828-2439  
MICROLOG 90-05493 1 fiche (Available on fiche only)

Modern society treats atmospheric and potential climatic change as an unfortunate but necessary by-product of material economic progress. By contrast, this paper considers atmospheric change to be a central problem of human ecological dysfunction. The paper's purpose is to make the case that economic activity is already in serious disequilibrium with the ecosphere and to contrast the policy implications of this interpretation with the policy responses currently being generated in the sociopolitical mainstream.  
BC EV PR SC

#### Atmospheric corrosion of transmission line conductors : literature review

by A. Kalvins. Toronto : Ontario Hydro, Research Division, 1989. 14 p. : ill. Bibliogr. (Report ; no. 89-252-K)  
MICROLOG 90-03520 1 fiche

Transmission line conductors consist of strands of aluminum wound around a core of galvanized steel. Many atmospheric pollutants such as SO<sub>2</sub>, NO<sub>x</sub>, and Cl<sup>-</sup> in the presence of proper meteorological conditions, high relative humidity, precipitation, fog or dew, will cause significant rates of corrosion of aluminum and zinc (galvanized steel). This report presents a brief review of the atmospheric pollutants, their reactions and the meteorological conditions



responsible for the corrosion of aluminum and galvanized steel in the atmosphere. The information is related to transmission line conductors and identifies the pollutants and meteorological conditions which might affect the life of the conductors  
EN ON PR PS SC

#### Atomic absorption method for quantitative determination of carbonates in tills

by W.C. Ross. Saskatoon, Sask. : Saskatchewan Research Council, 1986. ii, 20 p. : ill. Bibliogr. (SRC technical report ; no. 214) (SRC publication ; no. R-842-4-B-86)  
MICROLOG 90-03981 1 fiche

Previously, carbonate analysis of tills was done using a gasometer technique and equipment. More recently, the atomic absorption analytical method is being used for carbonate analyses of tills. This report explains the method and compares the results from the gasometer and atomic absorption methods.  
MS NR PR PS SC

#### Atomic Energy of Canada Limited : Annual report 1987-88

Ottawa : The Corporation, 1988. 28 p. : ill. *CSI 22104.001*. ISSN 0067-0383 ISBN 0-662-16242-0  
MICROLOG 90-02767 1 fiche

This annual report includes information on the CANDU operations, the Radiochemical Company, and the Medical Products Division. It also provides financial statements.  
CA EN PS SC

#### Atomic Energy of Canada Limited : Annual report 1988-89

Ottawa : The Corporation, 1989. 28 p. : ill. *CSI 22104.001*. ISSN 0067-0383 ISBN 0-662-16980-8  
MICROLOG 90-05765 1 fiche

Annual report of this corporation, including highlights of the year in the development of CANDU 3, the rationalization of CANDU design resources, commercial work, and the privatization of some AECL divisions. Details are given for the activities of the Research Company in waste management, research into safety, fuel channel performance, advanced fuel cycles, advanced ceramics, fusion and tritium technology, the upgrade of the Tandem Accelerator Superconducting Cyclotron facility at Chalk River, the development of a cancer screening assay, and the development of business and commercial services. Details of engineering and technical support given to existing nuclear power stations by CANDU Operations are also included. Financial statements are included.  
CA EN SC

#### Atomizing molten metals : a review

by C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1973. iv, 56 p. : ill. Bibliogr. (Report ; PM-M 73-6)  
MICROLOG 90-04666 1 fiche

Description of different processes for producing atomized metal powders, including a discussion of the factors that effect the shape and size of powder particles.  
• CA CM NR PS SC

#### Attendance at IEEE Instrument Show

by J.D. Keys and G.E. Alexander. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 9 p. (Report ; MS 65-40)  
MICROLOG 90-04629 1 fiche

Each year in conjunction with the International Convention of the Institute of Electrical and Electronic Engineers, leading instrument and component manufacturers and suppliers take

part in an instrument show at which the latest developments are demonstrated. This paper describes the show and the contacts made, particularly dealing with ferrite testing. A visit to the Bell Telephone laboratories to discuss optical absorption measurements and other topics in semiconductor technology is also described.  
• CA CM PS SC

#### Attendance at the 67th annual meeting of the American Ceramic Society

by N.F.H. Bright. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 15 p. (Report ; MS 65-60)  
MICROLOG 90-04685 1 fiche

List of the technical papers presented attended by the author, as well as details of those papers of particular interest. Comments regarding other functions held as part of the meeting and concerning the plant trips are also included.  
• CA CM PS SC

#### Attendance at the American Physical Society Meeting

by R.H. Goodman. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 5 p. (Report ; MS 65-58)  
MICROLOG 90-04631 1 fiche

Description of some of the papers presented at the spring meeting of the APS. Papers included a description of the physics of the current space program; the use of earth satellites for astronomy; a report on a Mossbauer experiment using Coulomb excitation techniques rather than decay; and the Mossbauer effect of dilute gold alloys  
• CA CM PS SC

#### Attendance at the joint meeting of the American Crystallographic Association and the Mineralogical Society of America

by J.F. Rowland. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 20 p. (Report ; MS 65-97)  
MICROLOG 90-04684 1 fiche

Listing of technical papers presented at the joint meeting, as well as brief summaries of papers relevant to work at the Branch.  
• CA CM NR PS SC

#### Attendance patterns, hatching chronology and breeding population of common murrens on Triangle Island, British Columbia following the Nestucca oil spill

by M.S. Rodway. Delta, B.C. : Canadian Wildlife Service, Pacific and Yukon Region, 1990. iii, 46 p. : ill. Bibliogr. (Technical report series ; no. 87) ISSN 0831-6481 ISBN 0-662-17407-0  
MICROLOG 90-06312 1 fiche

While breeding populations of common murrens have been extensively studied on the Atlantic coasts of Canada and Europe, little is known about those of the Pacific coast. The Nestucca oil spill in 1988 killed a large number of the birds, exceeding the estimated breeding population, 95% of which are concentrated on Triangle Island. This report presents the results of a study of common murrens on Triangle Island conducted between July 27 and August 17, 1989 to assess the impact of the Nestucca oil spill on breeding populations. The island was explored for dead birds, and live birds were examined for signs of oiling. Populations were estimated and results were compared to previous counts to detect possible declines. Breeding performance was evaluated by comparing timing of breeding and ratio of

breeding birds to total birds with past, anecdotal data, and known chronology and ratios in other parts of the species range.  
• BC CA EV SC

#### Au-delà de la Montagne d'or : la culture traditionnelle des Sino-Canadiens

par B.S. Hoe. Hull, Québec : Musée canadien des civilisations, 1989. 47 p. : ill. L'éd. anglaise (*Beyond the Golden...*) : 90-04929/1. ISBN 0-660-10790-2  
MICROLOG 90-04928 1 fiche

Les Chinois sont d'abord venus au Canada en 1858 pour travailler dans la région aurifère de la vallée du fleuve Fraser. Toutefois, ce n'est qu'à l'époque de la construction du dernier tronçon du Canadien Pacifique, de 1880 à 1884, qu'ils ont immigré au Canada en grand nombre. Ce document étudie l'histoire des Chinois au Canada, les traditions culturelles, et les Canadiens d'ascendance chinoise aujourd'hui.  
• CA CU SA

#### Au-delà des apparences

Canada. Groupe de travail sur les obstacles rencontrés par les femmes dans la fonction publique. Ottawa : le Groupe, 1990. 4 v. Contient: Vol. 1 : *Rapport et recommandations* -- vol. 2 : *Ce que les chiffres nous ont révélé* -- vol. 3 : *Ce qu'on nous a dit* -- vol. 4 : *Bibliographie annotée*. L'éd. anglaise (*Beneath the veneer...*) : 90-05213/6. ISBN 0-660-92955-4  
MICROLOG 90-05212 6 fiche

Ce document présente volume I du rapport d'étude sur les obstacles rencontrés par les femmes dans la fonction publique. Il se penche particulièrement sur le contexte; les cheminements et régimes de carrière; les obstacles; les situations spéciales; les conséquences; les rouages bureaucratiques; et les stades de discrimination et les groupes non concurrentiels.  
CA PA SA

#### Australian communications deregulation briefing paper

Strategic Technology Management Pty Ltd. Ottawa : Dept. of External Affairs and International Trade, 1989. 76 p. : ill. MICROLOG 90-05423 1 fiche

Examination of communications regulation and markets in Australia, the proposed regulatory framework, the television broadcasting and pay/cable television network, and the opportunities for equipment supply. A list of provisions in the Telecommunications Bill 1989, submissions to the Sanderson Committee, and extracts from the report examining the introduction of pay TV in Australia are also included.  
CA SC TE

#### Autecology, biology, competitive status and response to treatment of seven southern interior weed species

by P.G. Comeau...et al. S.I. : Forest Resource Development Agreement, 1989. iii, 46 p. Bibliogr. (FRDA report ; 093) ISSN 0835-0752 ISBN 0-7726-1021-5  
MICROLOG 90-01774 1 fiche

Literature review of the autecology and competitive status of 7 species that compete with conifer seedlings in the southern interior of B.C. For each species, a description, distribution and abundance, habitat, growth and development, reproduction, range and forage values, effects on crop trees, and response to disturbance or management is given. An extensive bibliography of literature cited is included.  
BC EV FO PR SC



**Automated water quality measurements : Red River at Emerson, Manitoba, 1971-84**

by V.T. Chacko and H. Vaughan. Ottawa  
Environment Canada, Inland Waters  
Directorate, Western and Northern Region,  
Water Quality Branch, 1989. v, 81 p. : ill.  
Bibliogr.  
MICROLOG 90-02393 1 fiche

The Garrison Diversion Unit project is a multifaceted water development scheme which, if fully implemented, would transfer water from the Missouri River to the Souris and Red Rivers and subsequently to Lake Winnipeg. The Government of Canada has maintained that water flowing from the project into Canada would cause injury to health and property in Canada and would contravene Article IV of the 1909 Boundary Water Treaty. The International Joint Commission (IJC) was requested to investigate the potential pollution of waters crossing the international boundary in the Red River, and established a continuous robot water quality monitor at the international boundary near Emerson, Manitoba which measures pH, dissolved oxygen, conductivity, chloride and temperature. This report assesses the reliability of the data collected by the continuous water quality monitor; evaluates the extent of compliance with the IJC water quality objectives; and examines the usefulness of the monitor data in determining the water quality trends in the Red River.  
CA EV MS SC

**Automation and jobs at Cégep Montmorency**

by René Andrews and Antonin Tremblay ; with assistance from Francine Rancourt. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1988. 127 p. : ill. French ed. (*L'informatisation et les emplois...*) : 90-02846/2. ISBN 0-662-17033-4  
MICROLOG 90-04200 2 fiche

Study to determine the impact of automation on the organizational units selected as well as on jobs within those units. Measuring tools were developed to identify in concrete terms the duties and tasks affected by automation and then evaluate the impact of automation on job classification and compensation. A detailed analysis of organizational structure, task content, and job evaluation was conducted for each department selected.  
CA ED PS QU SC

**Automatisation de l'exploitation minière, II : procès verbal du deuxième colloque**

parrainé par CANMET/Laboratoires de recherche minière. Ottawa : Énergie, mines et ressources Canada, Centre canadien de la technologie des minéraux et de l'énergie, 1986. viii, 85 p. Bibliogr. (CANMET special publication ; SP87-1) *Les Rapports sont dans la langue de présentation, français ou anglais (Mining Automation, II...)*. ISBN 0-660-53790-7  
MICROLOG 90-05251 1 fiche

En 1985, la National Foundation des États-Unis a proposé la création d'un centre international de recherche et de développement sur les innovations dans l'exploitation minière en région éloignée. Elle a demandé au CANMET, à titre d'organisme de recherche sur l'exploitation un colloque afin d'étudier cette proposition et d'élaborer la position du Canada sur la question. Ce document présente un rapport rassemblant toutes les présentations écrites reçues parallèlement au colloque. Des résumés des principaux points soulevés lors d'un colloque afin d'étude cette proposition un d'élaborer la position du Canada sur la

question. Ce document présente un rapport rassemblant toutes les présentations écrites reçues parallèlement au colloque. Des résumés des principaux points soulevés lors des exposés figurent dans le procès-verbal, qui a été préparé par Jay Pathak du CANMET/LRM.  
CA CM NR PS SC

**The Automotive Industry Research and Development/Technology Forum : report out of the desired future**

Ottawa : Industry, Science and Technology Canada, 1990. 5 p.  
MICROLOG 90-06188 1 fiche

Report of a forum on the future of automotive industry R&D. Five groups discussed the topic and their conclusions are presented in point form, covering the need for a clear and consistent trade policy, for a well-educated workforce, and for a single, standardized computer system for communications, education consisting of both formal learning and apprentice systems; employer and employee relations consisting of more sharing of responsibility and of risk; the need for a future vision in R&D, and the realities of the international marketplace.  
CA SC TR

**L'Autonomie politique des Indiens**

par W. Moss. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 18 p. Bibliogr. (Bulletin d'actualité ; 89-5F) L'éd. anglaise (*Indian self-government*) sur la même fiche. ISBN 0-660-92725-X  
MICROLOG 90-01848 1 fiche

C'est depuis 1981 environ que les organismes représentant les peuples autochtones placent l'autonomie politique au premier rang de leurs préoccupations. Toutefois, dans les années 70, la notion d'autonomie était implicite dans bien des propositions mises de l'avant par les Indiens, et elle était explicite dans la Déclaration des Dénés de 1975. Ce document fait la lumière sur l'autonomie politique des Indiens.  
CA JU NP

**Autour des jeunes : reconnaissance bibliographique**

par I. Perrault. Québec : Institut québécois de recherche sur la culture, 1988. 422 p. (Documents de recherche ; no 17) ISSN 0823-0447 ISBN 2-89224-108-1  
MICROLOG 90-01984 5 fiche

Les différents domaines couverts dans ce document sont : la jeunesse en perspective, le portrait des jeunes ; la fondation de l'identité ; les aspects du proche avenir, les aspirations, le système d'enseignement ; la population étudiante ; les parcours scolaires ; le milieu scolaire, les apprentissages académiques, le rendement académique ; l'adaptation scolaire, l'abandon scolaire, l'insertion socioprofessionnelle, l'économie ; les loisirs, les productions culturelles ; la religion ; la politique ; la langue ; les communautés culturelles, l'adaptation juvénile, la délinquance, la violence, la santé ; la sexualité, et la famille.  
BS PR QU SA

**Avant de se lancer en affaires : la création d'une petite entreprise au Nouveau-Brunswick**

Fredericton : Nouveau-Brunswick commerce et technologie, 1990. 15 p. Bibliogr. L'éd. anglaise (*Getting underway : starting...*) sur la même fiche.  
MICROLOG 90-05546 1 fiche

Ce guide a été compilé pour aider le nouvel entrepreneur à suivre les étapes nécessaires avant la mise sur pied d'une entreprise. Les points à considérer varient selon les secteurs d'affaires, notamment pour ce qui est des

licences et des permis requis. Ce guide dirige vers des contacts précis qui expliquent quels sont les obligations de la personne comme entrepreneur. Il s'agit d'un ouvrage de référence utile pour la mise sur pied d'une entreprise  
AP CO PR

**Avant-projet de modification de la Loi de l'impôt sur le revenu et des lois connexes**

Ottawa : Ministère des finances, 1990. 302 p. L'éd. anglaise (*Draft amendments...*) : 90-06857/4  
MICROLOG 90-06858 4 fiche

Ce document, émis en juillet 1990 par le ministre des Finances, l'honorable Michael H. Wilson, présente l'avant projet de modification de la Loi de l'impôt sur le revenu et des lois connexes. Ces lois connexes sont, les Règles de 1971 concernant l'application de l'impôt sur le revenu, la Régime de pensions du Canada, la Loi sur l'exportation et l'importation de biens culturels, la Loi sur l'interprétation des conventions en matière d'impôts sur le revenu, la Loi sur la Cour canadienne de l'impôt, la Loi sur l'assurance-chômage, et la Loi modifiant la Loi de l'impôt sur le revenu.  
CA CO PA

**Avantages de la rotation des cultures en agriculture de conservation sur les terres non-irriguées**

par R.P. Zentner...et al. Ottawa : Agriculture Canada, 1990. 22 p. : ill. L'éd. anglaise (*Benefits of crop rotation...*) sur la même fiche. ISBN 0-662-95659-1  
MICROLOG 90-03503 1 fiche

L'eau et son utilisation efficace sont la clé de la réussite en production agricole sur les sols bruns et brun foncé de l'ouest du Canada. Ce document porte sur le rendement et la qualité des cultures ; les parasites ; l'humidité du sol, l'utilisation des engrais, la qualité des sols ; les aspects économiques ; l'énergie, et, les recommandations  
AG AL CA MS SC

**L'Avenir du Toronto Island Airport : les enjeux**

Toronto : Commission royale sur l'avenir du secteur riverain de Toronto, 1989. 104 p. (Publication ; no 7) L'éd. anglaise (*The Future of the Toronto. :*) : 90-05433/1. ISBN 0-662-17067-9  
MICROLOG 90-05939 2 fiche

Ce rapport a été rédigé par le personnel de la Commission royale. Il traite des questions liées à l'aéroport et aux services de transport connexes et il présente des options stratégiques concernant les besoins en matière d'aviation, les besoins des voyageurs, et les intérêts généraux de tous les usagers du secteur riverain de Toronto. Le rapport constitue donc le point de départ d'une réflexion et d'une discussion sur l'avenir du Toronto Island Airport.  
CA MU ON SC TR

**Aviation in southern Ontario : a strategy for the future**

Ottawa : Transport Canada, Airports, 1990. 78 p. : ill., maps.  
MICROLOG 90-02839 2 fiche

Report prepared for the Environmental Assessment and Review Panel's examination of Transport Canada's proposals for early provision of additional airside capacity at Lester B. Pearson International Airport, and the longer range proposals that will be contained in the Pearson master plan and southern Ontario aviation plan. The report explains the Minister's proposal for addressing the aviation needs for southern Ontario into the next century and the intermediate problem of providing medium term airside capacity at



Lester B. Pearson International Airport.  
CA MU ON SC TR

**Aviation occurrence report : Air  
Tuteurs ltée, Cessna 402B C-GLUC,  
Charlo, New Brunswick, 22 February  
1988**

Canadian Transportation Accident Investigation  
and Safety Board. Ottawa : The Board,  
1988. 18 p. (Aviation occurrence report ; no.  
88-A0047)  
MICROLOG 90-06739 1 fiche

Report of an investigation into a fatal accident  
to a small plane which crashed on the ice of  
Baie des Chaleurs, New Brunswick. The  
report covers factual information on the plane,  
its navigating systems, a history of the flight,  
medical information, and the search and rescue  
methods; an analysis of the accident;  
conclusions as to the cause of the accident;  
and safety actions taken. A list of laboratory  
reports and a glossary are included.  
AP CA SC TR

**Aviation occurrence report : Canadian  
Airlines International Limited, Boeing  
737-275C C-GFPW near Prince  
George Airport, British Columbia, 24  
November 1987**

Canadian Aviation Safety Board. Ottawa : The  
Board, 1990. 46 p. : ill. (Aviation occurrence  
report ; no. 87-P74128)  
MICROLOG 90-05168 1 fiche

Report of an investigation into two near  
collisions with the ground of a Canadian  
Airlines aircraft at Prince George Airport. The  
report includes a synopsis of the incident,  
factual information on the flight, aircraft  
information, actions and navigation aids, an  
analysis of the incident, findings and causes,  
safety action, detailed diagrams and a glossary.  
BC CA SC TR

**Aviation occurrence report : Delta Air  
Lines Inc. Boeing 737-200 N4571M,  
Vancouver International Airport,  
Vancouver, British Columbia, 17  
January, 1988**

Canadian Aviation Safety Board. Ottawa : The  
Board, 1989. 28 p. (Aviation occurrence  
report ; no. 88-H0001)  
MICROLOG 90-03229 1 fiche

Results of an investigation into the failure of  
the left engine combustion chamber outer case  
on a Delta aircraft during takeoff from  
Vancouver International Airport. The report  
covers the history of the flight, damage to the  
aircraft and injuries to persons, and all aspects  
of the incident, with an analysis of the failure  
and the reasons for it. Findings and causes  
are given, along with safety action taken and  
required. Detailed schematics of the site and  
aircraft are included  
BC CA SC TR

**Aviation occurrence report :  
Geoterrex Limited, CASA C212  
C-GILU Reykjavik, Iceland, 02 August,  
1988**

Canadian Aviation Safety Board. Ottawa : The  
Board, 1990. 32 p. (Aviation occurrence  
report ; no. 88-H0009)  
MICROLOG 90-04887 1 fiche

Investigation into the crash of a CASA C212 on  
a ferry flight from Ottawa, Ontario to Nantes,  
France. The report includes such factual  
information as a history of the flight, the  
condition of the aircraft, and a narrative of the  
incident; an analysis of the accident;  
conclusions; and safety action taken. A  
glossary is included.  
CA SC TR

**Aviation occurrence report : Heli-Plus  
Inc. Hughes 500C (helicopter)  
C-FHNN, Lac Grand, Quebec, 16 May,  
1987**

Canadian Aviation Safety Board. Ottawa : The  
Board, 1990. 34 p. : ill., maps. (Aviation  
occurrence report ; no. 87-H70001)  
MICROLOG 90-05229 1 fiche

Report of an investigation into the crash of a  
helicopter over Lac Grand in Quebec after  
striking unmarked wires strung between an  
island and the mainland. The report includes  
factual information on the flight, injuries to  
persons and damage to the aircraft, an  
analysis of the incident, findings and causes,  
and safety actions. Detailed diagrams and  
calculations are included, as well as a glossary.  
CA QU SC TR

**Aviation occurrence report :  
Perimeter Airlines Ltd., Beech A65  
Queen Air C-GKDX, Winnipeg,  
Manitoba, 31 July 1987**

Canadian Transportation Accident Investigation  
and Safety Board. Ottawa : The Board,  
1990. 15 p. (Aviation occurrence report ; no.  
87-C70061)  
MICROLOG 90-06628 1 fiche

Report of an investigation into the crashing of  
a light aircraft into an office building outside  
Winnipeg. The report covers factual  
information on the aircraft, the damage to it,  
injuries to crew and passengers, navigation  
equipment and meteorological information; an  
analysis of the accident; findings; and safety  
actions. A diagram of the final flight path and  
a glossary are included.  
• CA MS SC TR

**Aviation occurrence report : Piper  
PA-32R-300 Lance C-GPJP, Price's  
Corners, Ontario, 2 February 1989**

Canadian Aviation Safety Board. Ottawa : The  
Board, 1990. 24 p. (Aviation occurrence  
report ; no. 89-O0058)  
MICROLOG 90-06497 1 fiche

Report on the crash of a small plane in  
Ontario during very bad weather. The report  
covers such factual information as the history  
of the flight, persons injured, aircraft personnel  
and their qualifications and details of the  
accident, as well as an analysis of the  
accident, the conclusions reached, and the  
safety actions taken. A glossary is included,  
along with a list of laboratory reports.  
CA ON SC TR

**Aviation occurrence report : Western  
Airlines Inc., Boeing 727-247  
N2819W, Calgary International  
Airport, Alberta, 13 March, 1987**

Canadian Aviation Safety Board. Ottawa : The  
Board, 1989. 19 p. (Aviation occurrence  
report ; no. 87-W70901)  
MICROLOG 90-00152 1 fiche

Report of an incident at Calgary International  
Airport in which a commercial pilot experienced  
difficulty in visually finding the runway. The  
report covers the factual information on the  
flight, meteorological conditions, navigation and  
communication, and flight crew actions; an  
analysis of the incident; safety actions; and  
findings.  
AL CA SC TR

**Aviation occurrence reports, issue 8**

Canadian Aviation Safety Board. Ottawa : The  
Board, 1990. viii, 258 p.  
MICROLOG 90-03857 3 fiche

Report of aviation occurrences, grouped by  
broad category of aircraft type and by type of  
operation within each group, then chronologically  
within each subgroup. For fixed-wing  
conventional aircraft, the first subgroup is public  
transportation, which includes scheduled, other

unit toll, and charter operations, divided by  
size. The second subgroup is commercial  
training, including licensed flying clubs and  
commercial specialty training (commercial licence  
classes 6 and 7). The private aircraft  
subgroup includes all privately registered  
aircraft, both personal and corporate,  
subdivided according to type of landing gear.  
The last group includes state aircraft. Rotary  
winged aircraft are grouped by commercial,  
private and state. Each report includes the  
type of aircraft involved; the total number of  
hours the pilot had acquired on all types of  
aircraft, the total number of hours on type,  
and the number of hours flown in the last 90  
days; injuries sustained by the crew,  
passengers, or others; a summary report; and  
findings.  
CA SC TR

**Aviation occurrence reports, issue 9**

Canadian Transportation Accident Investigation  
and Safety Board. Ottawa : The Board,  
1990. viii, 238 p. *French ed. (Rapports de  
faits...9) : 90-07041/3. CSI 22219.003.*  
MICROLOG 90-07042 3 fiche

This publication contains reports of aviation  
occurrences, in Canada, involving Canadian or  
foreign-registered aircraft. Reports are grouped  
by broad category of aircraft type (fixed-wing  
conventional aircraft, rotary-wing aircraft, and  
other types) and by type of operation (public  
transportation, commercial training, other  
commercial operations, private, state) within  
each group, then chronologically. Reports are  
also listed by aircraft manufacturer and type,  
and by province/territory of occurrence. In  
each investigation, information is given on the  
aircraft, pilot hours, injuries, summary  
narrative, reported circumstances, findings, and  
safety actions.  
CA SC TR

**Aviation safety recommendations :  
CTAI SB A90-57, 90-58, 90-59 and  
90-60**

Canadian Transportation Accident Investigation  
and Safety Board. Ottawa : The Board,  
1990. 8 p.  
MICROLOG 90-06182 1 fiche

This document covers the concerns of the  
Board, and of aircraft personnel, over the  
problem of excess baggage being carried onto  
an aircraft, and its dangers to passengers and  
crew in the event of an accident or heavy  
turbulence. The report presents a history of its  
concern; regulatory compliance or lack thereof  
on the part of the carriers; passenger  
awareness of the problem; and legislative  
requirements.  
CA SC TR

**Avis du Conseil de la famille à la  
ministre de la Santé et des Services  
sociaux et responsable de la famille  
relativement aux Services de  
médiation familiale**

Québec (Province). Conseil de la famille.  
Québec : le Conseil, 1989. 8 p. (Avis ; no  
89.1) ISBN 0-550-19668-6  
MICROLOG 90-02813 1 fiche

L'avis du Conseil de la famille sur les services  
de médiation familiale comporte quatre parties.  
La première traite de la pertinence d'établir  
des services de médiation familiale en fonction  
de certains éléments fondamentaux contenus  
dans l'Énoncé de politique familiale adopté par  
le gouvernement du Québec, en décembre  
1987. La seconde permet d'effectuer le lien  
entre la nécessité de fournir de tels services  
et certains principes d'une approche familiale  
que le Conseil a adoptée et dont il se sert,  
entre autres, pour analyser les orientations, les  
politiques et les programmes publics et privés  
qui ont une incidence sur les familles  
québécoises. La troisième partie porte sur les  
organismes et les personnes qui doivent



assurer les services de médiation à la famille. Enfin, dans la dernière partie, le Conseil se prononce sur l'accessibilité des familles québécoises aux services de médiation à la famille.  
PA PR QU SA

#### Avis sur la régionalisation de l'immigration

avis à la Ministre des communautés culturelles et de l'immigration. Montréal : Conseil des communautés culturelles et de l'immigration du Québec, 1989. vii, 55 p. *Titre de la couv.: Quelques arpents de neige -- à partager : la régionalisation de l'immigration.* CSI 67245.201 ISBN 2-550-19767-4 MICROLOG 90-01393 1 fiche

Cet avis fait suite à une demande que la ministre des Communautés culturelles et de l'immigration adressait au Conseil, en novembre 1987, quant à l'opportunité que son ministère se donne une politique à cet égard et quant aux objectifs et mesures concrètes que cette politique devrait mettre de l'avant. L'avis recommande que le Ministère se donne une politique de régionalisation de l'immigration et qu'il fasse en sorte qu'elle devienne un élément de la politique de développement régional du gouvernement du Québec. Le document présente aussi les principales mesures qui devraient être mises en oeuvre pour en assurer le succès, notamment la concertation des intervenants régionaux, la sensibilisation de la population et la diffusion d'une information adéquate aux personnes concernées.  
EX PR QU

#### Avis sur les résidus et les déchets industriels

présenté par le Conseil consultatif de l'environnement ; au Ministre de l'environnement. Québec : Gouvernement du Québec, Ministère de l'environnement, 1986. vii, 164 p. : ill. Bibliogr. ISBN 2-550-16966-2 MICROLOG 90-02891 2 fiche

Ce document insiste tout particulièrement sur le recyclage et le remploi des résidus industriels. Il porte une attention spéciale aux points suivants: les déchets industriels au Québec; les politiques appliquées au Québec; la gestion des résidus et les déchets industriels.  
EV PR QU SC

#### L'Avortement : développements constitutionnels et juridiques

par M. Dunsmuir. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 26 p. Bibliogr. (Bulletin d'actualité ; 89-10F) *L'éd. anglaise (Abortion : constitutional...) sur la même fiche* ISBN 0-660-92928-7 MICROLOG 90-05355 1 fiche

L'avortement est un sujet qui préoccupe la société canadienne depuis un certain temps. Parce qu'il met en jeu des convictions profondes et très diverses sur les droits individuels, les responsabilités sociales et le rôle des femmes dans la société, l'avortement peut être source de divisions et de dissensions. Ce document se penche sur cette question en faisant ressortir les points importants.  
CA JU SA

#### B.C. Forest Service assessment of land use for the Carmanah Valley : technical background

Victoria : Ministry of Forests, 1990. 10 p. : map. MICROLOG 90-04738 1 fiche

The Carmanah Valley is within Tree Farm Licence 44, held by MacMillan Bloedel Ltd., and timber harvested in this area is processed at company facilities on southern Vancouver Island. The B.C. Forest Service evaluated land use in the Carmanah Valley for both timber harvesting, management of the wildlife, and preservation of the old-growth spruce. This report gives the history of MacMillan Bloedel's

involvement and their management plan, the public comment, a discussion of the major issues, and further action and division of responsibility between the B.C. government and MacMillan Bloedel.  
BC FO PR SC

#### B.C. Hydro : Annual report 1988-89

Vancouver, B.C. : BC Hydro, 1989. 48 p. : ill. *BC Hydro subsidiaries (12 p.) laid in.* CSI 38100.001 MICROLOG 90-00542 1 fiche

This annual report covers corporate and environmental affairs, the environment, rates, planning for the future, community involvement, advisory committees, the influence of design on reliability, an electric system development plan, major maintenance activities, public safety, customer service, and finance and administration. It includes financial statistics.  
BC EN PR PW SC

#### B.C. Hydro : Financial review 1988-89

Vancouver, B.C. : The Corporation, 1989. 36 p. : ill. CSI 38100.006 MICROLOG 90-01218 1 fiche

Financial review from B.C. Hydro, presenting highlights of its financial performance for the current and previous 2 years, as well as its achievements of fiscal 1989 objectives. Explanations are given for income, including net income, revenues, transmission, and export sales, and for costs, including cost of energy, expenses, financial charges, financing and capital expenditure, and debt management. Regulatory and financial ratios, including rate stabilization and financial ratio are also explained. A comparison to other utilities in the areas of rates, unit costs, productivity, system reliability, and rate of return are made. An overview of the financial plan and objectives for 1990-92 concludes the report.  
BC CO EN PR PW SC

#### B.C. Hydro electric load forecast, 1989/90-2009/10

B.C. Hydro. Load Forecast Dept. Vancouver, B.C. : The Dept., 1990. iv, 52 p. : ill. CSI 38100.005 ISSN 0835-5991 MICROLOG 90-05522 1 fiche

Details of B.C. Hydro's 1989 forecast of gross electric requirements through 2009/10. The report provides the lifestyle, economic, population and energy price assumptions that drive the electric forecasts and describes how the probable (most likely) electric forecast is built up from sales projections of the residential, industrial, commercial and other sectors. Consideration of the interruptible marketing and demand side management (Power Smart) programs is excluded. The projections are done in detail for the first 10 years, with the second 10 years based on economic trend projections. The report also discusses the present status and effect of marketing and demand side management (called Power Smart) programs on actual load growth and load shape. Details are also included on the forecast process and methodology, along with a description of the method used to disaggregate the probable forecast by rate categories.  
BC EN PR SC ST

#### B.C. Hydro wheeling policy

B.C. Hydro. Wheeling Committee. Vancouver, B.C. : B.C. Hydro Policy Development, 1990. i, 15 p. : ill. MICROLOG 90-05558 1 fiche

Wheeling is the transmission of electric energy generated by one party to another using the transmission system of a third party. This document describes the development of the policy; its availability, length of service and nomination schedule; the terms and conditions; and the general wheeling service rate. A

policy analysis and expected impact on the system as a whole are also included.  
BC EN PR SC

#### B.C. labour directory, 1989

Victoria : Ministry of Labour and Consumer Services, Policy and Legislation Branch, 1989. 100 p. CSI 37113.002. ISSN 0715-2574 MICROLOG 90-02251 2 fiche

This directory is compiled of information with respect to membership and officials of collective bargaining organizations in the province. It also includes information on union headquarters and locals, congresses and councils, and employers' bargaining associations. Contains a union index.  
BC LA PR

#### B.C. parks : a review of visitor satisfaction, 1986-88

Victoria : Ministry of Parks, 1989. 28 p. ISBN 2-7726-1043-6 MICROLOG 90-01259 1 fiche

Each year, a satisfaction survey is conducted of park visitors. The survey is designed to quickly and simply identify the different needs and expectations of visitors to each park. Since 1986, 220 satisfaction surveys have been conducted in 118 provincial parks throughout the province. About 40 surveys are conducted each year in campgrounds, beach-picnic areas, backcountry and marine parks. This report contains the results of 185 campground and beach-picnic area satisfaction surveys responded to in 1986, 1987, and 1988. The report also describes changes in facilities, management, and park management orientation resulting from the surveys.  
BC CU PR

#### B.C. Pavilion Corporation : Annual report 1988-89

Vancouver, B.C. : The Corporation, 1989. 19 p. : ill. CSI 38185.001. MICROLOG 90-07333 1 fiche

The Corporation operates B.C. Enterprise Centre, B.C. Place Stadium, Vancouver Trade & Convention Centre, Whistler Conference Centre and Whistler Golf Club. This annual report highlights the activities of these establishments. It also contains audited financial statements.  
BC CU PR

#### B.C. post-secondary enrolment statistics, 1987-88

British Columbia. Ministry of Advanced Education and Job Training. Funding and Analysis Division. Victoria : The Division, 1989. 138 p. CSI 37103.010. ISSN 0823-2164 MICROLOG 90-05117 2 fiche

Presents enrolment data and related information on the post-secondary programs offered by B.C. universities, community colleges and provincial institutes.  
BC ED PR ST

#### B.C. post-secondary enrolment statistics, 1988-89

British Columbia. Ministry of Advanced Education and Job Training. Colleges, Support Services and International Education. Victoria : The Division, 1989. 138 p. CSI 37103.010. ISSN 0823-2164 MICROLOG 90-06541 2 fiche

This publication presents enrolment data and related information on the programs offered by B.C. universities, community colleges, and provincial institutes. The data is based on College Statistical reports submitted by the institutions in the fall of every year.  
BC ED PR ST



### B-train ABS evaluation : a project concerning the evaluation of antilock braking system performance and durability on B-train double tanker vehicles

a cooperative project between Transport Canada [and] Ontario Ministry of Transportation. Ottawa : The Dept. ; Toronto : The Ministry, 1990. 14, 16 p. *Bilingual (Evaluation des ABS sur...)*. MICROLOG 90-07205 1 fiche

This project addresses the use of antilock braking systems (ABS) on highway B-train double tanker vehicles, on both tractors and trailers. It includes track testing to establish vehicle performance and requirements for installation of ABS on such vehicles. This is followed by installation of ABS on 1 of a control sample of 20 vehicles and their in-service evaluation over an initial year. The current status of ABS technology on heavy vehicles in Canada, the U.S. and the EEC is also included as is a cost estimate and schedule.

CA ON SC TR

### Background discussion document on energy in New Brunswick, 1990-2000

Fredericton : Dept. of Natural Resources and Energy, 1990. iii, 54 p. : ill. MICROLOG 90-03314 1 fiche

Outline of the role of governments and the private sector in energy development and detailed discussion of energy supply and demand, including indigenous and imported energy supplies and projections of electrical energy demand to 2000. Energy efficiency and conservation is presented as a cornerstone and major initiative to help meet the expected energy needs of the future. A number of major projects being considered in the electrical energy development area are outlined for the 1990s. Details are given on environmental effects and the need for sustainable development. The report concludes with a discussion of transportation and the need for R&D. This document is the initial step in the development of a provincial energy policy and is intended to serve as a background discussion paper for the public consultation process.

AP EN PR SC

### Background report and recommendations

Alberta Beekeeping Industry Advisory Committee. Edmonton : The Committee, 1990. vii, 28 p. : ill. MICROLOG 90-07278 1 fiche

Alberta's beekeeping industry has experienced great financial and economic difficulties in the last several years, due both to the low prices for honey and the ban on the importation of U.S. stock to reduce the chance of infestation by the varroa mite. In September 1989, the Advisory Committee was established to make recommendations concerning problems now affecting the economic viability of the beekeeping industry and to formulate recommendations to address the long-term objectives of the industry in the domestic and international honey markets. Public hearings were held in 3 key beekeeping areas in the southern, central and northern portions of the province. This report covers issues relating to production, economics and marketing and makes recommendations in each area, as well as detailing the 3 initial actions taken by the Committee. A summary of each of the public meetings is also given.

AG AL PR SC ST

### Background studies for the Souris-Glenwood development plan

Brandon, Man. : Dept. of Municipal Affairs, Municipal Planning Branch, 1989. 74 p. : ill.,

maps. *Fold. maps not filmed.* MICROLOG 90-02287 2 fiche

Covers socio-economic trends for the area. It discusses the following aspects of the rural resource area: agriculture, natural resources, aggregate resources, rural development trends, and the rural infrastructure. It also addresses the following aspects of the urban area: existing land use patterns, natural constraints, and the urban infrastructure. It presents information on municipal finance.

MS PL PR

### Backlog clearance program : program overview

Ottawa : Employment and Immigration Canada, 1989. 4, 4 p. *Bilingual (Le Programme d'élimination...)*.

MICROLOG 90-03637 1 fiche

The backlog clearance program is based on the new refugee determination system in which those who claimed or indicated an intention to claim refugee status prior to January 1, 1989 will have the credibility of their claims assessed by an adjudicator and a member of the Immigration and Refugee Board. This overview explains the program, summarizes the general process by use of a chart, gives highlights to date, and gives data on category of claims processed.

CA CI EX

### Bacterial evaluation of the biopolymer selective plugging field test at Standard Hill, Saskatchewan

by L. Stehmeier. S.I. : Nova Husky Research Corporation Ltd., 1988. iv, 235 p. : ill. Bibliogr. CANMET contract: 79066-01-SQ. MICROLOG 90-03501 3 fiche

A field test of a biopolymer selective plugging system was carried out by Husky Oil Ltd. in the Standard Hill field, Saskatchewan. This field has a history of wells watering out in a sequential southwest pattern, indicating an encroaching aquifer. Radioactive tracers identified the entrance point of this aquifer and the plugging system was injected at this point to inhibit the water influx. This report covers the injection of sacrificial agent in the field, preparation of bacterial inoculum, injection of bacteria inoculum and polymer medium, and post-injection microbial analyses.

• CA CM EN MS PS SC

### Badgerow Township, Sudbury mining division 411/8/9

compiled by the staff of the Resident Geologist's Office, Sudbury, Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 20 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 539)

MICROLOG 90-02992 1 fiche

Geological data inventory for Badgerow Township, including a checklist of data sources, mineral commodities reference list, exploration work done by company, topographical maps available, results of a general index search, selected references, and types of maps available.

NR ON PR PS SC

### Ballooning of CANDU pressure tubes : model assessment

by R.S.W. Shewfelt. Ottawa : Atomic Energy Control Board, 1990. 45 p. : ill. Bibliogr. (Research report ; INFO-0351) MICROLOG 90-07092 1 fiche

The transient creep equations used to analyze the possible ballooning and failure of Zr-2.5% Nb pressure tubes during a loss-of-coolant accident were developed and verified using as-received Zr-2.5% Nb pressure tube material. But in a CANDU reactor, the pressure tubes absorb deuterium and are exposed to a

continuous neutron fluence. Consequently, a literature survey was conducted to determine how irradiation damage and deuterium might affect the creep rate and ductility of these pressures tubes in a temperature range from 600C-800C.

CA EN PS SC

### Banff National Park management plan summary

Ottawa : Environment Canada, Canadian Parks Service, 1988. 20 p. : ill., maps. MICROLOG 90-02309 1 fiche

Summary of the major decisions contained in the management plan, outlining the way in which the park will be managed for the next 15 years. The plan identifies a number of important initiatives which will benefit both the park and the adjacent provincial areas. The plan covers land use zoning and environmentally sensitive sites; the protection and management of heritage resources such as vegetation, wildlife, fisheries, and cultural resources; facilities and recreation opportunities for visitors; an environmental and socio-economic review and assessment; and an implementation strategy.

AL CA CU

### Bank of Canada : Annual report 1986

Ottawa : The Bank, 1987. 66 p. : ill. *French ed. on the same fiche.* CSI 22105.001. MICROLOG 90-00576 2 fiche

This annual report reviews economic and financial development, and Bank of Canada operations. It includes financial statements, and a list of the Board of Directors, principal officers, and regional representatives and agencies.

CA CO PA

### Bank of Canada : Annual report 1987

Ottawa : The Bank, 1988. 58, 64 p. : ill. *Bilingual.* CSI 22105.001. ISSN 0067-3587 MICROLOG 90-00917 2 fiche

This annual report discusses economic and financial developments and reviews the Bank of Canada operations. It includes financial statements.

CA CO ST

### Bank of Canada : Annual report 1988

Ottawa : The Bank, 1989. 69, 69 p. : ill. *Bilingual.* CSI 22105.001. ISSN 0067-3587 MICROLOG 90-01214 2 fiche

Annual report of the Bank of Canada, covering general observations of the state of the economy and the Bank's influence in the fight against inflation; economic and financial developments in demand, economic activity and inflation, monetary and financial developments, and international developments; and operations of the Bank in advances and securities market operations, management of government debt and cash balances, foreign exchange operations, and note issue, debt service and banking operations. A financial statement and other financial data are included.

CA CO ST

### Bank of Canada : Annual report 1989

Ottawa : The Bank, 1989. 71, 77 p. *Bilingual.* CSI 22105.001. ISSN 0067-3587 MICROLOG 90-04154 2 fiche

This annual report contains general observations, reviews economic and financial developments, and the Bank of Canada operations. It includes financial statements, and lists the Board of Directors, senior officers, and regional representatives and agencies.

CA CO ST

### The Bankruptcy Act : proposed revisions, 1988 -- Rev.

by H. Morrison. Ottawa : Library of Parliament, Research Branch, 1989. 22 p.



Bibliogr. (Current issue review : 88-16E)  
 French ed. (La Loi sur la faillite...) on the  
 same fiche. ISBN 0-660-13321-0  
 MICROLOG 90-01843 1 fiche

The Bankruptcy Act is a commercial statute  
 which provides for the orderly and equitable  
 distribution of the assets of an insolvent person  
 amongst her or his creditors. This paper  
 presents the most recent reform proposals of  
 the government with respect to bankruptcy law  
 in Canada.  
 CA CI CO JU

# Banque du Canada : Rapport annuel 1986

Ottawa : la Banque, 1987. 68 p. : ill. L'éd  
 anglaise sur la même fiche. CSI 22105 001  
 MICROLOG 90-00576 2 fiche

Ce rapport porte sur l'évolution de la situation  
 économique et financière, les opérations de la  
 Banque du Canada, les états financiers, et les  
 principaux cadres. De plus, on y examine  
 particulièrement les points suivants: l'activité  
 économique et l'inflation; l'évolution financière et  
 internationale, les avances et les opérations sur  
 titres; la gestion de la dette publique; les  
 opérations de change, et, la monnaie, le  
 service de la dette et les opérations bancaires.  
 CA CO PA

# Banque du Canada : Rapport annuel 1987

Ottawa : la Banque, 1988. 64, 58 p. : ill.  
 Bilingue. CSI 22105 001. ISSN 0067-3587  
 MICROLOG 90-00917 2 fiche

Présente le rapport annuel et les relevés de  
 comptes du Ministre des Finances pour l'année  
 1987. Y sont couverts les points suivants:  
 l'évolution de la situation économique et  
 financière; les opérations de la Banque du  
 Canada, et les états financiers.  
 CA CO ST

# Banque du Canada : Rapport annuel 1988

Ottawa : la Banque, 1989. 69, 69 p. : ill.  
 Bilingue. CSI 22105 001. ISSN 0067-3587  
 MICROLOG 90-01214 2 fiche

La politique monétaire a essentiellement pour  
 fonction de favoriser l'épanouissement d'une  
 économie vigoureuse. La contribution  
 particulière de la politique monétaire à la  
 réalisation de bons résultats économiques est le  
 maintien et le renforcement de la confiance à  
 l'égard de la monnaie que nous utilisons pour  
 investir, épargner et régler nos opérations  
 quotidiennes. Ce document présente le rapport  
 annuel du Gouverneur au Ministre des  
 Finances et relevé de comptes pour l'année  
 1988. Il se penche particulièrement sur  
 l'évolution de la situation économique et  
 financière, les opérations de la Banque du  
 Canada ainsi que les états financiers.  
 CA CO ST

# Banque du Canada : Rapport annuel 1989

Ottawa : la Banque, 1989. 77, 71 p.  
 Bilingue. CSI 22105 001. ISSN 0067-3587  
 MICROLOG 90-04154 2 fiche

Ce rapport traite des aspects particulièrement  
 marquants de l'évolution enregistrée au cours  
 de la dernière année. Il porte sur les points  
 suivants: les observations d'ordre général,  
 l'évolution de la situation économique et  
 financière; les opérations de la Banque du  
 Canada, les états financiers, le Conseil  
 d'administration, les principaux cadres, et, les  
 représentants régionaux et les agences.  
 CA CO ST

# Barber Commission on SaskEnergy : final report

Barber Commission on SaskEnergy Public  
 Participation. Regina : The Commission, 1989

203 p. : ill.  
 MICROLOG 90-01592 3 fiche

In the spring of 1989, the Government of  
 Saskatchewan initiated a proposal to transfer to  
 the private sector equity ownership in  
 SaskEnergy, the Crown-owned natural gas  
 utility. The Commission on SaskEnergy Public  
 Participation was established to review the  
 enabling legislation and report upon its probable  
 effects in certain designated areas, including  
 control of the utility, impact upon rates, both  
 gas and electrical, and such economic benefits  
 as might flow from the proposed privatization  
 EN MS PA PR SC

# Barber Township

compiled by the staff of the Resident  
 Geologist's Office, Cobalt. Toronto : Ministry of  
 Northern Development and Mines, Mines and  
 Minerals Division, Ontario Geological Survey,  
 1990. iii, 28 : maps. Bibliogr. (Geological  
 data inventory folio, GDIF 550) Fold. maps  
 not filmed  
 MICROLOG 90-04562 1 fiche

Geological data inventory for Barber Township,  
 including a checklist of data sources, a  
 reference list of mineral commodities, type of  
 exploration work by company, drillhole summary  
 by company, aerial photos and topographical  
 maps available, newspapers clippings, results of  
 a OGS/ODM general index search, and  
 selected references.  
 NR ON PR SC

# Barbourisia rufa Parr (Barbourisiidae, Cetomimiformes) and Aphyonius gelatinosus Gunther (Aphyonidae, Ophidiiformes) in the Indian Ocean

by Y.N. Shcherbachev. Ottawa : National  
 Research Council, Canada Institute for  
 Scientific and Technical Information, 1988  
 3 p. Bibliogr. (Canadian translation of  
 fisheries and aquatic sciences ; no. 5250)  
 Originally published in Russian, in the USSR.  
 ISSN 0704-3716  
 MICROLOG 90-02720 1 fiche

The cetomimiform fish *Barbourisia rufa* Parr  
 and the viviparous ophidiiform fish *Aphyonius*  
*gelatinosus* Gunther, 1978 occur extremely  
 rarely. Research in recent years by Soviet  
 ichthyologists in the thalassobathyal zone of the  
 Indian Ocean shows *B. rufa* to be quite  
 common in this region. *A. gelatinosus* has also  
 been found for the first time in the Indian  
 Ocean. This paper describes *B. rufa* on the  
 basis of specimens kept in the Zoological  
 Museum of Moscow University.  
 • CA CF FI LS SC

# Barreau du Québec : Rapport annuel 1988-89

S.l. : le Barreau, 1990. 123 p. CSI 67307 001  
 MICROLOG 90-06923 2 fiche

Document présentant le rapport annuel du  
 Barreau du Québec pour la période du  
 premier avril 1988 au 31 mars 1989. Il se  
 penche particulièrement sur les points suivants  
 les structures et l'administration du Barreau;  
 les activités des services, les Comités et  
 Commissions; les états financiers, et, les fonds  
 de formation professionnelle.  
 JU PR QU

# Barremian to Albian stratigraphy, Tuktoyaktuk Peninsula and south Mackenzie Delta, Northwest Territories

by J. Dixon...et al. Ottawa : Energy, Mines  
 and Resources Canada, Geological Survey of  
 Canada, 1989. 16 p. : ill., maps. Bibliogr.  
 (Paper : 89-15) ISSN 0068-7650 ISBN  
 0-660-13272-9  
 MICROLOG 90-02344 1 fiche

Report on the seismic stratigraphy,  
 lithostratigraphy, and biostratigraphy of these

formations. Mount Goodenough, Rat River,  
 Atkinson Point and Arctic Red. These areas  
 have distinct stratigraphic expression,  
 geophysical log responses and foraminiferal  
 assemblages. Data from these sources have  
 led to revision of formational boundaries.  
 CA NO NR PS SC

# Barrhaven demonstration project : collection of rigid plastics containers in the blue box

TransOntario Plastics Recovery Inc. Toronto  
 Environment Ontario, 1989. ii, 22 p. : ill.  
 ISBN 0-7729-6350-9  
 MICROLOG 90-03013 1 fiche

Plastics, flexible and rigid, by weight constitute  
 about 5-7% of the estimated 10 million tonnes  
 of municipal solid waste (MSW) in Ontario and  
 by volume make up 3-4 times this percentage  
 The Barrhaven demonstration project was  
 undertaken to ascertain the added  
 effort/equipment involved, the actual quantities  
 collectible, and the use of plastics in MSW  
 when rigid plastic containers are added to an  
 existing blue box systems.  
 EV ON PR SC

# Baseline growth performance levels and assessment procedures for commercial tree species in Alberta's mountains and foothills

W.R. Dempster and Associates Ltd.  
 Edmonton : Alberta Land Conservation and  
 Reclamation Council, Reclamation Research  
 Technical Advisory Committee ; Coal  
 Association of Canada, 1988. xxi, 60 p. : ill.  
 Bibliogr. (Report : RRTAC 88-7)  
 MICROLOG 90-02882 1 fiche

Field work was undertaken during the summer  
 of 1986 to determine tree-seedling growth rates  
 in coal-bearing areas of the eastern slopes and  
 to define reasonable expectations of juvenile  
 growth performance under prevailing  
 environmental conditions, as a baseline for  
 evaluating the success of reforestation following  
 coal mining. The project specified the  
 development of tables and curves relating  
 height and height growth to age; procedures  
 and timing for the measurement of total height  
 and leader growth, adjustment procedures  
 accommodating variation in local site conditions  
 and cultural practices, the provision of  
 procedures for assessing stocking standards;  
 and the integration of evaluation procedures  
 with those used by the Alberta Forest Service  
 for assessing reforestation after logging.  
 AL FO PR SC

# Basic departmental data, 1989

Ottawa : Indian and Northern Affairs Canada,  
 Finance and Professional Services,  
 Quantitative Analysis and Socio-demographic  
 Research, 1989. xiii, 97 p. : ill. French ed.  
 (Données ministérielles.) : 90-04375/2  
 CSI 21113 017. ISBN 0-662-17525-5  
 MICROLOG 90-04374 2 fiche

This report is a data reference document on  
 the demographic, social and economic conditions  
 of registered Indians in Canada. It provides  
 historical and current statistics on the evolution  
 of the conditions of registered Indians living on-  
 reserve over the past 23 years  
 CA NP SA ST

# Basic facts on Social Security Programs, 1989

Ottawa : Health and Welfare Canada, 1989.  
 91 p. French ed. (Précis sur les  
 programmes...) on the same fiche  
 CSI 21112 015. ISSN 0836-8570 ISBN  
 0-662-17688-X  
 MICROLOG 90-06175 2 fiche

There is a wide range of social security  
 programs in Canada. This booklet is intended  
 to outline features of major programs as well  
 as statistics on beneficiaries and benefit



expenditures for these programs. Program descriptions are as of July 1, 1989, subject to the availability of information at the time of writing. It includes benefit rates, when applicable for 1989, or as of July 1989, depending on the program.  
CA PA SA

### Basic principles of radiation protection in Canada

Canada Advisory Committee on Radiological Protection. Ottawa : Atomic Energy Control Board, 1990. ii, 56 p. Bibliogr. (Report ; INFO-0340) *French ed. (Principes de radioprotection... on the same fiche.*  
MICROLOG 90-05695 2 fiche

This document describes the basic biological effects of radiation on humans, the international agencies concerned with setting standards, international recommendations, the application of radiation protection in specific areas, and the implementation of radiation protection principles through the Atomic Energy Control Board, the federal Department of National Health and Welfare, and the provinces.  
CA EN HE SC

### Basic sensory methods for food evaluation

by B.M. Watts...et al. Ottawa : International Development Research Centre, 1989. x, 160 p. : ill. Bibliogr. (Manuscript report ; 277e) ISBN 0-88936-563-6  
MICROLOG 90-03221 2 fiche (Available on fiche only)

Manual to provide a basic technical guide to methods of sensory evaluation, compiled particularly for scientists in developing countries. Included are discussions of sensory analysis principles, descriptions of sensory testing facilities and procedures, and examples of statistical treatment of sensory test data. Examples presented were drawn from studies of the sensory characteristics and acceptability of black beans.  
CA EX HE SC

### Bateaux de pêche : résumés des rapports d'investigation sur les sinistres maritimes, 1

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 32 p. : ill., cartes géogr. (Publication ; no 1)  
MICROLOG 90-05690 1 fiche

Document présentant les résumés des rapports d'investigation sur les sinistres maritimes. Y sont fournis la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA FI SC TR

### Bateaux de pêche : résumés des rapports d'investigation sur les sinistres maritimes, 3

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1988. 45 p. : ill., cartes géogr. (Publication ; no 3)  
MICROLOG 90-05687 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA FI SC TR

### Bateaux de pêche : résumés des rapports d'investigation sur les sinistres maritimes, 5

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1988. 45 p. : ill., cartes géogr. (Publication ; no 5)  
MICROLOG 90-05688 1 fiche

Document présentant le résumé du rapport d'investigation fournissant la fiche technique du

navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA FI SC TR

### Bateaux de pêche : résumés des rapports d'investigation sur les sinistres maritimes, 9

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 55 p. : ill., cartes géogr. (Publication ; no 9) *L'éd. anglaise (Fishing vessels : summaries...9) :* 90-02172/1.  
MICROLOG 90-02173 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA FI SC TR

### Bateaux de pêche : résumés des rapports d'investigation sur les sinistres maritimes, 10

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1990. 68 p. : ill., cartes géogr. (Publication ; no 10) *L'éd. anglaise (Fishing vessels : summaries...10) :* 90-04885/1.  
MICROLOG 90-04824 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
AP CA FI SC TR

### Bateaux de pêche : résumés des rapports d'investigation sur les sinistres maritimes, 11

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1990. 46 p. : ill., cartes géogr. (Publication ; no 11) *L'éd. anglaise (Fishing vessels...11) :* 90-07234/1.  
MICROLOG 90-07233 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA FI SC TR

### Bâtir l'avenir : profils de femmes de métier au Canada

par K. Braid. Ottawa : Travail Canada, Bureau de la main-d'œuvre féminine, 1990. i, 75, i, 65 p. : ill. Bibliogr. *Bilingue (Building the future : profiles...)*  
MICROLOG 90-05931 2 fiche

Au cours des dernières années, de plus en plus de femmes ont choisi de travailler dans des secteurs tels que la menuiserie, la soudure et la construction. Bien que ces emplois soient généralement bien rémunérés, les femmes se trouvent encore en minorité dans ces corps de métier. Afin de mieux présenter la situation du travail des femmes dans les corps de métier et encourager les femmes à y faire carrière, le Bureau de la main-d'œuvre féminine a fait préparer ce document qui s'adresse tant au patronat qu'aux syndicats, aux orienteur(e)s et aux conseillers et conseillères en emploi afin de les aider à mieux comprendre la situation des femmes qui exercent un métier et leurs aspirations.  
CA LA SA

### Battle River soil reconstruction project : five year summary

by L.A. Leskiw. Edmonton : Alberta Land Conservation and Reclamation Council, Plains Coal Reclamation Research Program, 1989 xxiv, 226 p. : ill. Bibliogr. (Report ; RRTAC 89-5)  
MICROLOG 90-05208 3 fiche

The Battle River soil reconstruction project involved establishment, soil and crop management, and research monitoring of 4 experiments designed to assess methods of reconstructing soil profiles following surface mining of coal in order to ameliorate the problems caused by the saline and sodic nature of the subsoils and bedrock in the Plains region of Alberta. Experimental plots were constructed in 1980 on levelled mine spoil using mine machinery simulating the 'take and put' system of mine reclamation. The plan for the first phase of the project was to manage the plots in a consistent, scientific manner for 5 years. Plot work was initiated in 1981, but due to unsuccessful establishment of forages on most plots it was necessary to start again in 1982 and continue through to 1986. This report presents the research findings, interpretations, discussion, conclusions and recommendations based on data obtained from 1982-86.  
AG AL PR SC

### BC Rail Train Control System (TCS) : test bed system development, phase II

prepared for Transportation Development Centre, Transport Canada ; by G.D. Taylor, D. Klitch and W.R. Tracey. S.I. : British Columbia Railway, 1987. xxi, 79 p. : ill.  
MICROLOG 90-04098 2 fiche

Second phase of a 4-phase project to develop and implement a form of advanced train control using data communication between dispatchers, trains and track forces. The second phase upgraded the host computer subsystem, provided a data communication subsystem including radio base stations and on-board train equipment, and tested the system on 2 test beds (normal diesel-engine territory and electric-engine territory involving a 50,000-volt catenary). More than 100 hours of operation in diesel territory and 15 hours in electric territory were the basis for the data.  
BC PR PS SC TR

### Beach seine data from the Fraser River downstream from Port Mann during 1988

by T.R. Whitehouse and C.D. Levings. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, West Vancouver Laboratory, 1990. iii, 63 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 780) ISSN 0706-6465  
MICROLOG 90-05148 1 fiche

A beach seine sampling program to assess the species composition, abundance and distribution of the nearshore fish community was initiated on the Lower Fraser River in March 1988. Sampling was carried out in conjunction with a surface trawling program under way to assess the distribution and abundance of fish in the surface waters of the mid-channel portions of the mainstem Lower Fraser River. This report presents the catch by species of fish at 7 sites on the Fraser River below Port Mann. Data on the length and weight of the juvenile salmon captured are given.  
● BC CA CF FI SC

### Bear-people conflicts : proceedings of a Symposium on Management Strategies

proceedings editor: Marianne Bromley. Yellowknife : Dept. of Renewable Resources, 1989. viii, 246 p. : ill., maps. Bibliogr. ISBN 0-7708-7172-0  
MICROLOG 90-02658 3 fiche

Proceedings of a symposium designed to facilitate the exchange of information about bear-people conflict management now being applied, designed, and/or tested. The proceedings contain papers on the behaviour and ecology of problem bears, bear detection and deterrent techniques, problem bear management



programs, and public education and the media. In addition, the results of panel discussions on interjurisdictional problem bear research and management are described. The results of two workshops, which focused on problem bear management and planning, and techniques to deter, capture, and handle problem bears are also included.  
EV NO PR SC

#### **Beaufort Environmental Monitoring Project, 1985-86 : final report**

LGL Limited...et al. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1987. xix, 199 p. : ill. Bibliogr. (Environmental studies ; no. 40) ISBN 0-662-15188-7  
MICROLOG 90-06461 3 fiche

The project was initiated in 1983 by Indian and Northern Affairs Canada and Environment Canada and has continued to the present time. Its purpose is to provide the technical basis for the design, operation and evaluation of a comprehensive and defensible environmental research and monitoring program to accompany phased hydrocarbon development in the Beaufort Sea. This document is the report of the activities during the third year of the project and contains recommendations for future environmental studies in relation to bowhead whales.  
CA EN EV NO SC

#### **Beaufort Environmental Monitoring Project, 1987-88 : final report**

ESL Environmental Sciences Limited, and Seakem Oceanography Ltd. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1989. vi, 136 p. : ill. (Environmental studies ; no. 60) ISBN 0-662-16736-8  
MICROLOG 90-05126 2 fiche

The Beaufort Environmental Monitoring Project was initiated in 1983 by Indian and Northern Affairs Canada and Environment Canada to provide the technical basis for design, operation and evaluation of a comprehensive and defensible environmental research and monitoring program to accompany hydrocarbon development in the Beaufort Sea, relative to the regulatory responsibilities of the two departments. 1987-88 represents the 5th year of the project and involved a review of relevant studies initiated or completed since the last workshops in March 1987, preparation of project overviews describing the purpose of these investigations and their relationship to existing hypotheses, and evaluation of the overall status of knowledge regarding each hypothesis. A short description is given of each project, along with the principal investigator, affiliation, funding source, expected completion date, and relevance to the overall project.  
• CA EV NO SC

#### **Beaufort Sea ice scour data base (SCOURBASE) : update to 1986**

by G.R. Gilbert, S.J. DeLory and K.A. Pedersen. Ottawa : Environmental Studies Research Funds, 1989. xiv, 99 p. : ill., maps. Bibliogr. (Environmental Studies Research Funds report ; no. 097) *Fold. maps not filmed.* ISBN 0-920783-96-1  
MICROLOG 90-01181 2 fiche

The grounding of sea ice on high latitude continental shelves of the world represents a potential threat to the maintenance of subsea industrial installations. The Beaufort Sea SCOURBASE system was created to store the major scour parameters relevant to engineering design in a comprehensive data base format. The term SCOURBASE was adopted as the formal name for the 5 data bases in the Beaufort Sea Ice Scour Data Base System. This report presents an update of the SCOURBASE system with additional high quality 1984-86 data sets, as well as the new NAVBASE system and the upgrading and

improvement of the original Ice Scour Data Base.  
CA EV NO PS SC

#### **Beaufort socio-economic report**

Yellowknife : Energy, Mines and Resources Secretariat, 1988. 44 p. : ill., maps. MICROLOG 90-01436 1 fiche

This document provides an annual report containing a review of industrial activity and a review of community indicators. It also presents basic data about the communities in the form of community profiles.  
NO NR PR

#### **Beetles associated with stored products in Canada : an identification guide**

by Y. Bousquet. Ottawa : Agriculture Canada, Research Branch, 1990. v, 220 p. : ill. Bibliogr. ISBN 0-660-13266-4  
MICROLOG 90-03755 3 fiche

Identification guide of the most common beetles associated with stored products in Canada. In addition to keys and plates, the guide includes diagnosis, sexual dimorphism, distribution, and economic importance. Only the adult stage is dealt with and information on the biology is omitted.  
AG CA LS SC

#### **The Behaviour of soluble petroleum product derived hydrocarbons in groundwater, phase I**

by G.C. Patrick...et al. Ottawa : Petroleum Association for Conservation of the Canadian Environment, 1985. vii, 70 p. : ill. Bibliogr. (PACE report ; no. 85-3)  
MICROLOG 90-02792 1 fiche

The specific objectives of this 3-phase research program are to critically evaluate small-scale methods for measuring the retardation via sorption of the aromatic hydrocarbons benzene, toluene and xylenes (BTX) as they move in groundwater; to determine the effects of both retardation by sorption and biodegradation on the migration of BTX in groundwaters, and to assess the potential for biochemical remediation or clean-up of groundwaters contaminated by BTX. This phase I report describes the progress from April to December 1984. It describes the design, and implementation and initial results of a field experiment where BTX dissolved in groundwater was injected below the water table into a shallow sand aquifer and the migration of BTX was monitored as it moved under natural hydrogeological gradients through a dense network of monitoring piezometers or wells. Calculations, laboratory tests and small-scale in situ field tests were conducted to predict the retardation by sorption. A glossary of contaminant hydrogeology terms is included.  
• CA EN EV SC

#### **The Behaviour of soluble petroleum product derived hydrocarbons in groundwater, phase II**

prepared for Petroleum Association for Conservation of the Canadian Environment, American Petroleum Institute, Environment Canada, Environmental Protection Service ; by G. Patrick...et al. Ottawa : Petroleum Association for Conservation of the Canadian Environment, 1986. vii, 59 p. : ill. Bibliogr. (PACE report ; no. 86-1)  
MICROLOG 90-02793 1 fiche

The specific objectives of this 3-phase research program are to critically evaluate small-scale methods for measuring the retardation via sorption of the aromatic hydrocarbons benzene, toluene and xylenes (BTX) as they move in groundwater; to determine the effects of both retardation by sorption and biodegradation on the migration of BTX in groundwaters, and to assess the potential for biochemical remediation or clean-up of groundwaters contaminated by

BTX. This report describes the major aspects of progress made in 1984 in the 2nd phase of the program. Part II research completes the field-scale experiment in order to assess the controls of BTX migration at the field site; critically evaluates laboratory tests, calculations and small-scale field tests designed to estimate sorptive retardation by employing additional sandy material of higher organic carbon content than the Borden sand (0.02% organic carbon by weight); and evaluates various nutrient addition methods aimed at enhancing BTX biodegradation in shallow sand aquifers.  
• CA EN EV SC

#### **The Belfast area community profile**

Prince Edward Island. Research, Evaluation and Technical Services. Charlottetown : The Services, 1989. 35 p. : ill.  
MICROLOG 90-03867 1 fiche

This report discusses various social and economic characteristics of the area, and, in some instances, makes comparisons with the Province. The following subject areas are discussed: population; age distribution; marital status; home language; mother tongue; and official language; ethnic origin; place of birth; mobility status; highest level of education; dwelling characteristics; labour force activity; occupation; industry class of worker; and 1985 income.  
AP MU SA

#### **Benchmark : a project to identify and improve levels of health and productivity in Ontario beef cow-calf herds**

by Wayne Martin...et al. Toronto : Ministry of Agriculture and Food, 1989. 4 p.  
MICROLOG 90-00779 1 fiche

Provides information on the study population and sample selection, current management of cow-calf herds in southern Ontario; productivity levels and disease rates, health, productivity, and management of calves, performance of beef heifers, and weaning and yearling weight as determinants of herd performance in replacement beef heifers.  
AG ON PR SC

#### **Beneath the veneer**

Canada. Task Force on Barriers to Women in the Public Service. Ottawa : The Task Force, 1990. 4 v. *Contents: Vol. 1 : Report and recommendations -- vol. 2 : What the numbers told us -- vol. 3 : What the people told us -- vol. 4 : Annotated bibliography. French ed. (Au-delà des apparences...)* ISBN 0-660-13581-7  
MICROLOG 90-05213 6 fiche

Identifies the barriers to the advancement of women in the federal public service, and examines the experiences of women who were, and are still, in non-traditional occupations or in predominately male organizational units.  
CA PA SA

#### **Benefits of crop rotation for sustainable agriculture in dryland farming**

by R.P. Zentner...et al. Ottawa : Agriculture Canada, 1990. 21 p. : ill. *French ed. (Avantages de la rotation...) on the same fiche.* ISBN 0-662-12722-8  
MICROLOG 90-03503 1 fiche

Since the early 1900s, more than 68 long-term crop rotation studies have been conducted, with 20 of these studies still continuing. This publication, which focuses on the period since the 1950s, summarizes the effects of rotation length, crop sequence, substitute crops for summer fallow, and fertilization using nitrogen and phosphorus on crop production and quality, pests, soil moisture, nitrogen and phosphorus uptake, soil quality, profitability, and energy efficiency. Highlights from these studies are discussed under each topic. Recommendations



are given on how to run an efficient, economical, and environmentally responsible farming operation on the Canadian prairies.  
AG AL CA MS SC

### The Benefits of wildlife

by M. Egan, P. Logan and E. DuWors  
Ottawa Canadian Wildlife Service, 1989. 5 p.  
ISBN 0-662-16676  
MICROLOG 90-03235 1 fiche

Pamphlet describing the value which wildlife represents to humans, including enhancement of the quality of life, importance to natural processes, science and agriculture, and importance to the economy. The North American waterfowl management plan is used as an example of sustainable development.  
CA EV SC

### Benthic infaunal survey of Alice Arm and Hastings Arm, British Columbia, October 1989

by B.J. Burd and R.O. Brinkhurst. Sidney, B.C. : Dept. of Fisheries and Oceans, Institute of Ocean Sciences, 1990. iv, 23 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 82) ISSN 0711-6721  
MICROLOG 90-06185 1 fiche

Outline of the results of the 4th benthic infaunal survey of Alice Arm and Hastings Arm, conducted in October of 1982, 1983, 1986 and 1989. The study was initiated to examine the long-term effects of mine tailings discharges on the benthic invertebrate fauna of Alice Arm after the AMAX Kitsault molybdenum mine discharged tailings into the head of Alice Arm for 18 months, ending in November 1982, when the mine closed indefinitely. For the 1989 sample, a Bray-Curtis cluster analysis was carried out first to show groupings of individual replicate samples, followed by the same analysis averaging replicates for each station, with significance testing for the validity of cluster grouping. The null hypothesis that a given grouping was homogeneous was tested for each linkage. A similar cluster analysis was carried out including depth, percent silt/clay and percent sand for each replicate.  
• BC CA CF FI LS SC

### Benthic invertebrates collected from Hudson Bay, Canada, 1953 to 1965

by E.G. Atkinson and J.W. Wacasey. Ste-Anne-de-Bellevue, Que. : Dept. of Fisheries and Oceans, Arctic Biological Station, 1989. iv, 121 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 744) ISSN 0706-6465  
MICROLOG 90-00265 2 fiche

Tabulations of benthic invertebrates are provided for 177 stations sampled in Hudson Bay between 1953 and 1962. Intertidal sampling was done by hand and with dip nets, from boats, collections were made by dredge, trawl, grab, hand line, plankton net, dip net, and by removing specimens brought up by the anchor. Sampling was not quantitative, and since no special effort was made to retain meiofauna or microfauna, many small species are not included.  
• CA CF FI LS NO SC

### Benthic invertebrates collected from Hudson Strait, Foxe Channel and Foxe Basin, Canada, 1949 to 1970

by E.G. Atkinson and J.W. Wacasey. Ste-Anne-de-Bellevue, Que. : Dept. of Fisheries and Oceans, Arctic Biological Station, 1989. iv, 98 p. : maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 746) ISSN 0706-6465  
MICROLOG 90-00202 2 fiche

Lists of benthic invertebrates collected in Hudson Strait, Foxe Channel and Foxe Basin between 1949 and 1970. Intertidal sampling was

done by hand and with dip nets; from boats, collections were made by dredge, trawl, grab, hand line, plankton net, dip net, and by removing specimens brought up by the anchor. Sampling was not quantitative, and since no special effort was made to retain meiofauna or microfauna, many small species were not included. An alphabetical listing of all species is included.  
• CA CF FI LS NO SC

### Benthic invertebrates collected from the western Canadian Arctic, 1951 to 1985

by E.G. Atkinson and J.W. Wacasey. Ste-Anne-de-Bellevue, Que. : Dept. of Fisheries and Oceans, Arctic Biological Station, 1989. iv, 132 p. : maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 745) ISSN 0706-6465  
MICROLOG 90-00203 2 fiche

Tabulations of benthic invertebrates are provided for a total of 159 stations sampled in the Beaufort Sea-Amundsen Gulf and Bathurst Inlet-Dease Strait areas between 1951 and 1985. Collections were made by dredge, trawl, grab, hand line, plankton net, dipnet, and by removing specimens brought up with the anchor. Intertidal sampling was done by hand and with dip nets. Most sampling was not quantitative, and since no special effort was made to retain meiofauna or microfauna, many small species are not included in the list. Density, biomass and caloric equivalents are provided for some stations.  
• CA CF FI LS NO SC

### Bérylliose : résumé des risques sur le plan professionnel

par R. Bertolini. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 6 p. Bibliogr. L'éd anglaise (Beryllium disease : summary...) : 90-03624/1 ISBN 0-660-92834-5  
MICROLOG 90-02163 1 fiche

Le béryllium est un métal dont l'usage industriel est très répandu à cause de ses caractéristiques importantes, notamment son poids léger, son point de fusion élevé, sa grande résistance et sa bonne conductivité électrique. L'exposition aux vapeurs et aux poussières de béryllium et de ses composés ou alliages provoque diverses maladies qui touchent plusieurs organes du corps. L'inhalation des vapeurs ou des poussières de composés de béryllium peut endommager les poumons. Ce document fait la lumière sur les maladies causées par ce métal.  
• CA HE LA SC

### Beryllium disease : a summary of the occupational health concern

by R. Bertolini. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. i, 5 p. Bibliogr. French ed. (Bérylliose : résumé...) : 90-02163/1 ISBN 0-660-13358-X  
MICROLOG 90-03624 1 fiche

Beryllium is a metal widely used in industry because of its light weight, high melting point, high strength, and good electrical conductivity. Exposure to the fumes and dusts of beryllium and its compounds or alloys causes various diseases that affect several organs of the body. This report describes the industrial uses of beryllium, the acute and chronic phases of the disease, diagnosis and treatment; and prevention.  
• CA HE LA SC

### Besoins futurs du Canada en personnel scientifique et technique hautement qualifié : conférences présentées dans le cadre du séminaire

Besoins futurs du Canada en personnel

scientifique et technique hautement qualifié : rencontre (1989 : Ottawa, Ont.). Ottawa : Conseil de recherches en sciences naturelles et en génie du Canada, 1989. x, 193 p. : ill. Les rapports sont dans la langue de présentation, français ou anglais (Canada's future requirements...).  
MICROLOG 90-00956 3 fiche

L'éventuelle pénurie de scientifiques et d'ingénieurs hautement qualifiés risque d'avoir des conséquences graves pour l'avenir du Canada à titre de pays industrialisé. Compte tenu de l'importance qu'il attache à cette question, le Conseil de recherches en sciences naturelles et en génie (CRSNG) a tenu un séminaire d'une journée afin de discuter des répercussions d'une telle pénurie sur l'économie canadienne et d'explorer des solutions possibles aux problèmes. Ce séminaire a permis de tenir une discussion ouverte, d'obtenir des conseils et de favoriser des échanges de vues entre des représentants du milieu des affaires, des universités et des gouvernements. Ce document présente les conclusions de ces discussions.  
CA LA PS SC

### Better access for all : court jurisdiction and procedures in family law : a discussion paper

Victoria : Ministry of Attorney General, 1989. 12 p.  
MICROLOG 90-01756 1 fiche

This paper provides an understanding of existing problems arising from the overlapping jurisdiction of the courts. It also reviews some of the existing family law programs as well as recent government initiatives in the family law area. Finally, it discusses the evaluation strategy in regard to the proposals.  
BC JU PR SA

### Better beginnings, better futures : an integrated model of primary prevention of emotional and behavioural problems

Toronto : Ministry of Community and Social Services, 1989. x, 185 p. Bibliogr. French ed. (Partir d'un bon pas...) : 90-04387/3. ISBN 0-7729-6148-4  
MICROLOG 90-04230 3 fiche

This document reviews the literature, summarizes key findings, documents limitations to the research, describes the components of a good program and recommends future directions for research and programming for each age-level subgroup. It also examines the limitations to research in primary prevention for young children in general, and presents guidelines important for the success of any primary prevention research demonstration project. It finally summarizes the themes common to primary prevention programs for young children across the three age groups: infants, preschoolers, and primary school-age children, and concludes by proposing an integrated model for research demonstration projects.  
BS ON PR SA

### Beyond bias : informational guidelines for reducing negative bias in instructional materials

Regina : Saskatchewan Education, Community Education Branch, 1984. 6 p. Bibliogr.  
MICROLOG 90-03393 1 fiche

The guidelines consist of broad categories supported by points of information showing how bias has occurred historically and what its effects have been upon the image of Native peoples. It includes the terms used in reference to Native peoples, the interpretation placed upon their traditions, institutions and achievements, and the use of language itself.  
ED MS PR



# **Beyond the Golden Mountain : Chinese cultural traditions in Canada**

by B.S. Hoe. Hull, Quebec : Canadian Museum of Civilization, 1989. 47 p. : ill. French ed. (*Au delà de la Montagne...*) : 90-04928/1 ISBN 0-660-90291-5 MICROLOG 90-04929 1 fiche

For more than a century, the Chinese in Canada have developed a heritage that blends many aspects of Canadian life with their ancestral traditions. This document focuses on some of these cultural traditions, which, rooted in China, found new expression in Canada. • CA CU SA

# **Bi-level III ride quality improvement program : final report**

prepared by UTDC Inc. ; for the Transportation Technology and Energy Branch. Downsview, Ont. : Ministry of Transportation, Transportation Technology and Energy Branch, Rail and Advanced Transportation Systems Office, 1990. 235 p. : ill. Contents: Vol. 1 : Simulation report -- vol. 2 : Test report. MICROLOG 90-05200 3 fiche

Results of a program to improve the vertical ride quality of the GO transit bi-level passenger car upper deck. A series of 9 vertical dynamic models were developed to represent the car and possible low-cost methods to improve the ride. Each model was run to predict the natural frequencies and modes, and the response to random vertical and cross-level track impact. As well, a 1/4 car ANSYS-based finite element model was derived and used to assess the effect upon model frequencies and relative acceleration (pseudo-acceleration) of the various methods proposed to improve the vertical ride quality. ON PR SC TR

# **Biaxial tests of some overcored samples from AECL's Underground Research Laboratory, Lac du Bonnet, Manitoba**

by J.S.O. Lau. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. iv, 64 p. : ill. Bibliogr. (Report ; MRL 89-55(TR)) MICROLOG 90-00170 1 fiche

Atomic Energy of Canada Ltd. has constructed an underground research laboratory (URL) in the Lac du Bonnet batholith, located 100 km northeast of Winnipeg, Manitoba. The URL will be used to investigate some of the issues associated with the safe design, construction and operation of a vault for the disposal of high-level nuclear waste deep in plutonic rock. One of the issues is whether the in situ stress condition in a plutonic rock body and the stresses induced around an excavation in such a body can be understood. This report gives the results of biaxial tests and biaxial tests with axial load to examine the effect of axial and side loads on the strains measured on the inside and on the outside of overcored rock samples obtained in the URL and the elastic constants derived from them. The rock is a massive, grey, medium to coarse grained prophyritic granite. • CA CM MS PS SC

# **Bibliographia invertebratorum aquaticorum Canadensium, vol. 1 : index generum**

by D.R. Laubitz...et al. Ottawa : National Museum of Natural Sciences, Invertebrate Zoology Division, 1983. v, 56 p. ISBN 0-662-11272-5 MICROLOG 90-02234 1 fiche

This bibliography was begun in 1973 to document as many as possible of the scientific names applied by Canadian marine and freshwater invertebrates, to establish a list of currently recognized species, and to compile

relevant published data, such as records of distribution and categories of studies for each species. All recent free living and ectoparasitic species are included but all insects, protozoans, and endoparasites are excluded. The document deals with all marine and freshwater environments in Canada, but in order to present a complete synopsis of the aquatic invertebrate fauna of northern North America, Alaska, Puget Sound, Lake Champlain and the whole of the Great Lakes, except Lake Michigan, are included. The document lists alphabetically all generic names applied to aquatic invertebrates of the area and notes the major taxon (usually phylum) and usually one or two minor taxa (class, order, etc.) to which they belong. It also lists genera alphabetically within the respective minor taxa, which are in turn listed within major taxa. CA LS SC

# **Bibliographia invertebratorum aquaticorum Canadensium, vol. 2 : index bibliographicus**

by N. Sharma...et al. Ottawa : National Museum of Natural Sciences, Invertebrate Zoology Division, 1983. v, 238 p. ISBN 0-662-11272-5 MICROLOG 90-02231 3 fiche

This bibliography was begun in 1973 to document as many as possible of the scientific names applied to Canadian marine and freshwater invertebrates, to establish a list of currently recognized species, and to compile relevant published data, such as records of distribution and categories of studies for each species. All recent free living and ectoparasitic species are included but all insects, protozoans and endoparasites are excluded. The document deals with all marine and freshwater environments in Canada, as well as Alaska, Puget Sound, Lake Champlain and the whole of the Great Lakes, except Lake Michigan. This volume of references contains a list with general information on the contents of all the papers used to date for Bibliographia. A phylogenetic index to the references is included. CA LS SC

# **Bibliographia invertebratorum aquaticorum Canadensium, vol. 8 : synopsis specierum. Mollusca : cephalopoda**

by S.J. Stephen and D.R. Laubitz. Ottawa : National Museums of Canada, National Museum of Natural Science, 1988. v, 61 p. : maps. Bibliogr. ISBN 0-662-11272-5 MICROLOG 90-02215 1 fiche

The class Cephalopoda comprises a group of bilaterally symmetrical molluscs which are among the most specialized and highly developed invertebrates, well adapted to their predatory life. They occur in all marine habitats in Canada: benthic, epibenthic, neritic and pelagic. In Canada, the class is represented by 77 species in 23 families and 3 orders. This publication lists all of the references retrieved to date pertaining to Cephalopoda including those that are recorded in Index Bibliographicus. Genera and species are arranged alphabetically by their currently accepted names within their respective families, which are also in alphabetical order. Below each species heading is a list of the names applied. Where possible, synonymies have been brought up to date. • CA FI LS SC

# **Bibliographie de la Rive-Sud de Québec : Lévis-Lotbinière**

par F. De Montigny-Pelletier et A. Raiche-Dussault. Québec : Institut québécois de recherche sur la culture, 1989. 263 p. (Documents de recherche ; no 19) ISSN 0823-0447 ISBN 2-89224-122-7 MICROLOG 90-01983 3 fiche

Ce document aborde les domaines suivants: le territoire; la vie économique; les aspects sociaux, les aspects politiques et militaires, la culture; la religion, les monographies paroissiales, les biographies; la généalogie; les instruments de travail, la presse régionale; et, la documentation audiovisuelle. CU PR QU

# **Bibliographie pour les services de garde en milieu scolaire**

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction générale des programmes, Direction de l'adaptation scolaire et des services complémentaires, 1989. 36 p. Bibliogr. ISBN 2-550-14751-0 MICROLOG 90-02514 1 fiche

Ce document, divisé en deux parties, porte sur deux types d'ouvrages de référence: des monographies et des documents audiovisuels. Il s'agit dans la majorité des cas, de références québécoises, lesquelles reflètent bien le contexte culturel dans lequel prennent racine et évoluent les services de garde en milieu scolaire. Certains documents traitent directement des réalités propres aux services de garde en milieu scolaire. D'autres cependant, portent sur des sujets connexes, notamment, des textes conçus pour les garderies. Ceux-ci ont été inclus à cette bibliographie parce qu'ils apportent des informations également valables pour un service de garde en milieu scolaire. ED PR QU SA

# **Bibliographie sur la qualité totale**

Québec : Ministère de l'industrie, du commerce et de la technologie, 1989. viii, 150 p. MICROLOG 90-02209 2 fiche

Cette bibliographie donne une vue d'ensemble de la documentation existante portant sur la question de la qualité. Elle tente tout particulièrement de cerner les plus récents courants d'idées en ce qui a trait à la "qualité totale" et/ou à la "gestion totale de la qualité". Le document est divisé en trois grandes parties: les ouvrages (livres, revues ou périodiques) de langue française et anglaise; les audiovisuels, et, les logiciels. Finalement, l'annexe dresse la liste des principales revues ou périodiques spécialisés dans le domaine de la qualité totale. ED LA PR QU

# **Bibliographie sur les coopératives de logement -- Rév.**

Ottawa : Société canadienne d'hypothèques et de logement, Centre canadien de documentation sur l'habitation, 1988. 40 p. *Bilingue* (Cooperative housing...). MICROLOG 90-01588 1 fiche

Ce document présente une bibliographie portant sur les coopératives de logement. Une liste de périodiques conclut le document. CA SA

# **Bibliographie thématique sélective sur l'économie de l'information**

par R. Poirier. Laval, Québec : Ministère des communications du Canada, Centre canadien de recherche sur l'informatisation du travail, Direction de la recherche organisationnelle, 1989. 32 p. *Bilingue* (Thematic and selective...). ISBN 0-662-57058-8 MICROLOG 90-04413 1 fiche

Cette bibliographie contient près de 300 références sur l'économie de l'information. Les documents retenus sont des articles de périodiques, monographies et chapitres de monographies. Les références bibliographiques sont regroupées en trois catégories thématiques: industrie de l'information; diffusion des technologies de l'information; et, impacts régionaux et internationaux. Un index alphabétique des auteurs (les personnes physiques et les principales collectivités



auteurs) est présenté par catégories thématiques à la fin du document.  
• CA SC TE

### Bibliography of Manitoba geology, 1795 to 1988

by L.E. Chackowsky. Winnipeg : Manitoba Energy and Mines, Mines Branch, 1989. vi, 221 p. (Bibliography series ; BMG-1)  
MICROLOG 90-00158 3 fiche

Bibliography of Manitoba Energy and Mines and Geological Survey of Canada publications, other government documents, papers in the journal literature, theses, books, and conference abstracts. The bibliography is divided into references, arranged alphabetically by author; GSC geophysical and geochemical maps, sorted by NTS quadrant; and an NTS index.  
MS NR PR PS SC

### A Bibliography of NMR applications for forestry research

by C.M. Preston and A.C.M. Rusk. Victoria Canadian Forestry Service, Pacific Forestry Centre, 1990. vii, 42 p. (Information report ; BC-X-322) ISSN 0830-0453 ISBN 0-662-17942-0  
MICROLOG 90-05905 1 fiche

More widespread application of nuclear magnetic resonance (NMR) spectroscopy to forestry research could have many benefits. This bibliography lists over 450 references to the end of 1989, with a few publications which were available early in 1990. These are arranged in subject categories relevant to forestry problems, including general reviews of biological NMR, applications to bacteria, fungi, algae and higher plants; distribution and physical properties of water in plants; physiology and polymer chemistry of insects, and applications to wood, soil, glyphosate, and analytical biochemistry. The NMR techniques cover a wide range of applications, including solutions and solids, conventional spectroscopy, and imaging. An author index and a brief introduction to some basic NMR concepts are provided.  
• BC CA FO SC

### A Bibliography of the white whale *Delphinapterus leucas*

by T.G. Smith and H.O. Hammill. Ste-Anne-de-Bellevue, Que. : Dept. of Fisheries and Oceans, Arctic Biological Station, 1990. ii, 45 p. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2060) ISSN 0706-6473  
MICROLOG 90-05914 1 fiche

This bibliography was compiled as one of the background papers to a workshop on the beluga, held in Ste-Anne-de-Bellevue, Québec in April 1989. The bibliography is arranged alphabetically by author's surname and covers international sources up to 1988.  
• CA CF FI LS SC

### Bibliography on deinstitutionalization

Ottawa : Canada Mortgage and Housing Corporation, Canadian Housing Information Centre, 1988. 7 p.  
MICROLOG 90-03807 1 fiche

This bibliography lists books and periodicals on the topic.  
CA CI SA

### Bibliography on Japanese short-necked clam *Ruditapes philippinarum* (Adams et Reeve, 1850) with annotations : data base on its biology and propagation and cultivation methods

by K.Y. Arakawa. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 123 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5470) Originally published in

Japanese, by Hiroshima Shellfish Club at Hiroshima, Japan ISSN 0704-3716  
MICROLOG 90-00597 2 fiche

Bibliography of approximately 540 items, including non-Japanese literature. A summary is included for 100 key volumes. A bibliography on artificial tidelands and beaches is also included, along with a subject index. The bibliography is divided into biology; propagation and cultivation; utilization, processing and hygiene, and experimental research methodology.  
• CA CF FI LS SC

### Bibliography on rural housing -- Rev.

Ottawa : Canada Mortgage and Housing Corporation, Canadian Housing Information Centre, 1988. 18 p.  
MICROLOG 90-03808 1 fiche

Lists entries alphabetically and provides a call number for each.  
CA SA

### Bibliothèque nationale du Canada : Rapport annuel 1988-89

Ottawa : la Bibliothèque, 1989. 67 p. : ill. Bilingue. CSI 22258.001. ISBN 0-662-56775-7  
MICROLOG 90-00567 1 fiche

Rapport fournissant une étude de la situation actuelle et de l'avenir de la bibliothèque. On s'attarde aux objectifs de la bibliothèque et à la meilleure façon de les atteindre en tenant compte des restrictions imposées. Le rapport aborde également les thèmes suivants: les acquisitions; la conservation; l'accès, la promotion; le développement des services de bibliothèque au Canada; et la mise en commun des ressources entre les bibliothèques canadiennes.  
CA CU ST

### Bibliothèques régionales et publiques statistiques, 1988-89

Fredericton : Ministère du tourisme, des loisirs et du patrimoine, Service des bibliothèques, 1989. 24, 24 p. Bilingue (Regional and public libraries...). CSI 46108.002  
MICROLOG 90-02762 1 fiche

Le Service des bibliothèques publiques au Nouveau-Brunswick est divisé en cinq régions. Ces régions sont Albert-Westmorland-Kent (A-W-K), Chaleur (C), Haut-Saint-Jean (H-S-J), Saint John (S-J) et York (Y). Les renseignements contenus dans ce document ont été compilés à partir de données fournies au Service des bibliothèques du Nouveau-Brunswick par les régions de bibliothèques. On y donne également les renseignements suivants: les statistiques provinciales; le Service des bibliothèques du Nouveau-Brunswick, les statistiques des bibliothèques régionales, et les statistiques des bibliothèques publiques.  
AP CU PR ST

### Les Bibliothèques scolaires québécoises : rapport

Québec (Province). Comité d'étude sur les bibliothèques scolaires. Québec : le Comité, 1989. xxiii, 216 p. : ill. Bibliogr. CSI 66109.205  
MICROLOG 90-04147 3 fiche

En juin 1988, à la demande du ministre de l'Éducation, les autorités du ministère de l'Éducation ont proposé de se pencher sur la question de l'étude relatif au développement des bibliothèques scolaires. Ce document présente le résumé de cette discussion et se penche particulièrement sur les points suivants: la bibliothèque scolaire; le bilan des bibliothèques scolaires et études comparatives; un modèle de développement des bibliothèques scolaires; les mesures de redressement qui s'imposent; les recommandations; et l'estimation des coûts.  
ED PR QU ST

### Big Qualicum River steelhead fishery investigations, 1976 to 1981

by R.S. Hooton and V.A. Lewinsky. Victoria : Ministry of Environment, 1985. i, 29 p. : ill., maps. Bibliogr. (Fisheries management report ; no. 85) ISSN 0705-5390 ISBN 0-7726-0423-1  
MICROLOG 90-06972 1 fiche

Rapid declines in wild steelhead abundance and angler catch in most Vancouver Island streams prompted several investigations on steelhead biology and the sport fishery. This report summarizes the results of investigations conducted from 1976-77 to 1980-81 to determine the spatial and temporal distribution of angler effort and catch, assess the efficacy of the voluntary on-site questionnaire, examine recapture frequency of adult steelhead by anglers, estimate the relative stock size of wild and hatchery steelhead in the Big Qualicum River, estimate exploitation (and survival) of wild and hatchery steelhead stocks, examine the effect of broodstock selection on the winter sport fishery, and describe wild and hatchery steelhead life history.  
BC FI PR SC

### Bilan de l'activité scientifique et technologique de la région de Lanaudière (06-D)

Sainte-Foy, Québec : Gouvernement du Québec, Conseil de la science et de la technologie, 1989. 267 p. (Document ; no 89.02) ISBN 2-550-19882-4  
MICROLOG 90-04968 3 fiche

Présente des renseignements sur les points suivants: le bilan scientifique et technologique; la région de Lanaudière; la synthèse et les recommandations; l'activité scientifique et technologique dans le secteur 'entreprises'; le secteur de l'éducation; le secteur des organismes publics et régionaux; le secteur de la santé et des services sociaux; et, le loisir scientifique et la diffusion de l'information scientifique et technique.  
PR PS QU SC

### Bilan de la consommation énergétique du secteur public québécois, 1985-86

Québec : Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1988. i, 23 p. CSI/ 66110.009  
MICROLOG 90-02589 1 fiche

Le bilan de la consommation énergétique du secteur public québécois 1985-86 a pour but de rendre public l'état de la performance et de la consommation énergétique, et permettre aux autorités concernées d'orienter la poursuite des efforts d'une saine gestion énergétique. Il doit donc servir de guide à ceux qui sont visés par l'application des politiques énergétiques dans le secteur public. Le document se penche particulièrement sur les objectifs du bilan 1985-86, la situation énergétique du secteur public; l'analyse détaillée de la consommation énergétique du secteur public; le coût de l'énergie dans le secteur public; l'appréciation des ministères et des organismes visés; les actions prévues par les ministères et les organismes, les réalisations matérielles; et, les interventions pour contrer les difficultés.  
EN PR QU SC ST

### Bilan des actions des programmes prioritaires du plan d'action, 1989-90, et programmes prioritaires du plan d'action, 1990-91

Nouveau-Brunswick. Services éducatifs du secteur francophone. Fredericton : les Services, 1990. 44 p.  
MICROLOG 90-05962 1 fiche

Depuis sa création en 1974, le secteur francophone des services éducatifs du ministère de l'Éducation a publié, à l'intention du milieu scolaire, un plan d'action de ses programmes prioritaires. Ce document comprend deux



parties, soit: le bilan des actions des programmes prioritaires du Plan d'action 1989-1990; et, le Plan d'action 1990-1991.  
AP ED PR

**Bilan du programme de perfectionnement collectif pour le personnel des services de l'éducation des adultes, 1985-88**

Québec : Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial ; Direction des affaires éducatives, 1989. 34 p. : ill. CSI 66131.013. ISBN 2-550-19749-6  
MICROLOG 90-01879 1 fiche

Le bilan est publié dans l'intention de satisfaire aux interrogations que les intervenants en matière de perfectionnement pourraient avoir concernant ce domaine particulier. Il expose les différents aspects du programme de perfectionnement collectif dans quatre parties successivement développées: caractéristiques principales du programme, description des projets, profil des participants et description du budget du programme.  
ED PR QU

**Bilan du programme de perfectionnement collectif, 1985-87**

Québec : Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, Direction des affaires éducatives, 1987. 76 p. CSI 66131.013. ISBN 2-550-18340-1  
MICROLOG 90-02036 1 fiche

Ce travail expose les différents aspects du programme de perfectionnement collectif qui se regroupent en quatre parties successivement développées: caractéristiques principales du programme de recyclage; profil des promoteurs et des participants; description des projets; et description du budget du programme.  
ED PR QU ST

**Bilan du suivi de l'exploitation de la faune aquatique dans les pourvoies au Nouveau-Québec en 1988**

par M. Laplante, L. Bazin et D. Rémillard. Québec : Ministère du loisir, de la chasse et de la pêche, Direction régionale du Nouveau-Québec, 1989. v, 26 p. : ill. Bibliogr. ISBN 2-550-19915-4  
MICROLOG 90-01790 1 fiche

La pêche sportive au Nouveau-Québec se pratique, en grande partie, par l'entremise de pourvoyeurs. Afin de décrire de façon précise cette activité, on a instauré un système de suivi de l'exploitation dans les pourvoies. Ce document démontre la marche suivie, résume les résultats obtenus, discute de la qualité des données et de la participation des pourvoyeurs et, finalement, propose des moyens pour améliorer le système.  
EV FI PR QU SC

**Bilan et perspectives de la traduction assistée par ordinateur**

par P. Isabelle. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1988. 8 p. Bibliogr. ISBN 0-662-16397-4  
MICROLOG 90-04197 1 fiche

Cet exposé a pour objectif de présenter le programme de recherche et développement du CCRIT en traduction assistée par ordinateur, en situant ce programme dans la perspective de l'appréciation de l'état actuel des travaux en matière d'automatisation de la traduction.  
CA PS SC

**Bilan socio économique, 1987 : région de Montréal**

Québec : Gouvernement du Québec, Ministère du conseil exécutif, Office de planification et de développement du Québec, 1989. xv,

80 p. : ill. ISBN 2-550-00000-0  
MICROLOG 90-02200 2 fiche

Le bilan socio-économique de Montréal contient des informations sur deux régions administratives, soit celles de Montréal et de Laval. En fait, il présente la réalité socio-économique à la fois de la ville de Montréal et de sa région métropolitaine. Les statistiques contenues dans le document se rapportent principalement aux années 1985 à 1988. En plus des renseignements sur les secteurs socio-économiques habituels, le bilan consacre une partie spécifique aux interventions publiques de développement, et la relance de l'Est de Montréal fait l'objet d'une présentation particulière.  
CO LA MU PR QU

**Bilans d'acidité des tourbières et effets des retombées acides**

par J.A. Wood. Ottawa : Environnement Canada, Service canadien de la faune, Direction du développement durable, 1989. vi, 36 p. : ill. Bibliogr. (Document de discussion ; no 5). L'éd. anglaise (Peatland acidity...) sur la même fiche. ISBN 0-662-95670-2  
MICROLOG 90-06357 1 fiche

L'acidité des tourbières a plusieurs origines, les principales étant: les acides organiques produits sur place par la décomposition de la matière organique ainsi que les acides minéraux dus aux polluants atmosphériques d'origine anthropique. Sauf dans le cas des tourbières gravement polluées, les acides organiques sont les principaux agents de l'acidité totale, les acides minéraux d'origine atmosphérique contribuant peu à cette dernière. Ce rapport revoit les facteurs de l'acidité des tourbières ainsi que les effets potentiels du dépôt acide sur le bilan de ces milieux humides.  
CA EV SC

**Bilans ioniques et changements dans la qualité de l'eau au bassin calibré du lac Laflamme de 1981 à 1988**

par M. Papineau. Sainte Foy, Québec : Environnement Canada, Région du Québec, Conservation et protection, Direction des eaux intérieures, 1989. xiv, 156 p. : ill., cartes géogr. Bibliogr.  
MICROLOG 90-06309 2 fiche

En plus des informations sur le site lui-même, le rapport fournit de l'information sur la méthodologie, les précipitations, le bassin principal, l'eau du lac et de l'exutoire et les bilans hydriques et ioniques. Deux blocs importants ont été ajoutés dont le premier portant sur la détection de tendances temporelles dans les séries de concentrations et de charges à l'aide de tests non paramétriques, nécessaire au suivi à long terme des changements dans le milieu aquatique et l'évaluation des conséquences des programmes de contrôle des émissions d'anhydride sulfureux. L'autre bloc porte sur cinq lacs situés près du bassin calibré et permet d'étudier les effets des charges atmosphériques sur des lacs de sensibilités différentes.  
EV NR PR QU SC

**Bill 11 : School Amendment Act, 1990 : highlights of school finance legislation**

Victoria : Ministry of Education, 1990. 19 p  
MICROLOG 90-04830 1 fiche

Contains background information on the Bill, and describes the block funding system, the distribution of the block, and financing the block. It also discusses the impact of Bill 11 on municipalities.  
BC ED JU PR

**Bill 107 : the Police Services Act**

Toronto : Association of Municipalities of Ontario, 1990. iii, 33 p. Bibliogr. (AMO report : report series 1990 : 90-2)  
MICROLOG 90-06571 1 fiche (Available on fiche only)

Examines in detail the municipal burden of legal and political responsibility for the provision of policing services under the Bill and the complete provincial authority over these services, including budgeting.  
JU MU ON

**Binders in moist feeds for fish**

by F. Utne and G. Rosenlund. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 57 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5375). Originally published in Norwegian, by the Vitamin Institute, at Bergen, Norway. ISSN 0704-3716  
MICROLOG 90-01505 1 fiche

Poor binding ability in feed used in salmon fish farms can lead to wasted feed, lowered oxygen holding capacity of the water, lower growth potential of the fish, and the buildup of food waste and excrement under the pens leading to gas production by bacteria. A much lower waste of feed with moist feeds and moist pellets can be achieved with the addition of suitable commercial binders. The consistency of the feed will thus be better and a larger part of the diet will be utilized by the fish. Experiments were performed with a number of binders, with the emphasis on consistency (texture) with penetrometer, digestibility, and growth. The experiments also included a separate part for trials with binders for acid silage feeds.  
● CA CF FI SC

**Bio-bibliographie de Narcisse-E. Dionne**

par F. Villemaire. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1983. xiii, 102 p. (Bibliographie et documentation ; 15)  
MICROLOG 90-02057 2 fiche

Ce document contient les points suivants: une présentation de M. Jacques Prémont; une préface par le Colonel G.E. Marquis, V.D., M. Sc., la bibliographie, les livres et brochures (ouvrages personnels de l'auteur, les ouvrages de collaboration, la collaboration à ouvrage collectif, la préface); les articles de revues et de journaux; et, les sources à consulter sur l'auteur, (les livres et brochures et les articles de revues et de journaux).  
CU PR QU

**Bioaccumulation and effects of chlorinated dibenzodioxins and furans in fish, shellfish and crustacea : a brief review**

by D.C.G. Muir. Ottawa : Oceanography and Contaminants Branch ; Burlington, Ont. : Physical and Chemical Sciences, 1988. 8 p. Bibliogr.  
MICROLOG 90-01095 1 fiche

Review of the literature on pathways of bioaccumulation and acute toxicity of chlorinated dibenzodioxins (PCDDs) and furans (PCDFs) to aquatic organisms.  
● CA CF EV FI LS SC

**Biochemical genetic stock identification of chum salmon in southern British Columbia, 1986**

by M.C. Vreeling...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1987. iv, 19 p. : maps. (Canadian data report of fisheries and aquatic sciences ; no. 634). ISSN 0706-6465  
MICROLOG 90-00768 1 fiche



Chum salmon returning to spawn in rivers tributary to Johnstone and Georgia Straits migrate primarily from the north through Johnstone Strait, although in some years there can be a component of the run returning from the south through Juan de Fuca Strait. The identification of the origins of chum salmon in these fisheries has become an increasing problem for management. This report describes a method of testing for genetic variability among chum salmon stocks. Samples were collected in the fishing areas on the northwest coast of Vancouver Island, Johnstone Strait, mid-Vancouver Island, San Juan, and Nitinat to determine the stock composition in these mixed fisheries. In general, 150 chum salmon were sampled per week or, in the case of commercial fisheries, per fishing period. Tissue samples of heart, liver and muscle were collected within 24 hours of catch, frozen, and sent for electrophoretic analysis. Chum salmon from the troll fishery off the northwest coast of Vancouver Island were randomly selected from day trollers returning to Winter Harbour. Stock composition was then estimated.

• BC CA CF FI LS SC

### Bioengineering work in the Icelandic Fisheries Laboratories

by R. Steingrimsdottir. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 7 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5429) Originally published in *Icelandic*. ISSN 0704-3716 MICROLOG 90-00619 1 fiche

Brief description of some bioengineering work done in the Laboratory, covering the enzymatic removal of the membrane of cod liver, enzymatic processing of swimbladders of cod, enzymatic stripping of skin in skate, and processing of shrimp roe.

• CA CF FI LS SC

### Biogeochemistry project : snow cores, 1988-89 : Plastic Lake, Harp Lake, Hawkeye Lake

by J.G. Finders, B.D. LaZerte and L.D. Scott. Dorset, Ont. : Ministry of the Environment, Water Resources Branch, 1989. vi, 85 p. : ill., maps. (Data report ; DR 89/1) ISBN 0-7729-6282-0 MICROLOG 90-04480 1 fiche

Snow was collected and analysed as part of the biogeochemistry program to determine the chemical and hydrological inputs to groundwater flow in 3 watersheds. This report summarizes 1988 and 1989 chemistry data as well as depth and water equivalence of the snow pack. Meteorological data (temperature and precipitation) is also presented for the 3 watersheds. Data collected is part of that collected for the Muskoka-Haliburton area of Ontario, as part of the Acid Precipitation in Ontario Study.

EV LS ON PR SC

### The Biological and social effects of fish farming on the Finnish coast

by E. Eklund. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 11 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5284) Originally published in *Finnish*. ISSN 0704-3716 MICROLOG 90-02131 1 fiche

Fish farming in Finland is currently expanding vigorously and an increasing amount of consumer fish is cultured fish. Still, very little is known about the effects of fish farming on the waters and island communities of the coastal areas. This paper outlines the concept of an interdisciplinary research project into such effects.

• CA CF FI SC

### Biological and species interaction survey of Pacific hake, sablefish, spiny dogfish and Pacific herring off the southwest coast of Vancouver Island, August 1987

by W. Shaw...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. vi, 149 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2027) ISSN 0706-6473 MICROLOG 90-01068 2 fiche

The La Pérouse project is a multi-species, multi-disciplinary study designed to evaluate the influence of variations in physical and biological oceanographic factors on fish populations utilizing the lower west coast of Vancouver Island. Every August since the project's inception in 1985, a fisheries survey has been conducted to determine the distribution, abundance and trophic interactions of the dominant fish species in the La Pérouse Bank area. The 1987 survey sampled major concentrations of hake, dogfish, sablefish and herring of the southwest coast of Vancouver Island, mapped their distribution, and determined their diets; delineated the northern limit of hake distribution; and collected physical oceanographic data (temperature, salinity, density at depth) and biological data (zooplankton sampling) from the survey area. This report presents the biological and oceanographic data collected during the survey.

• BC CA CF FI LS SC

### Biological bases for the management of *Lessonia nigrescens phaeophyta, laminariales* in central Chile

by B. Santelices. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 33 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5172) Originally published in *Spanish*, by J.C. Castilla, ed in *Santiago, Chile*. ISSN 0704-3716 MICROLOG 90-00682 1 fiche

*Lessonia nigrescens* is the most important brown alga in the intertidal zone of the Chilean coast from Callao in central Peru to Cabo de Hornos at the southernmost tip of Chile. Since 1975, the algae has taken on a growing economic importance as a source of alginates. This paper describes the optimal harvesting season, based on periodicity of growth, reproduction, juvenile settlement and gel production, determination of size of plant to be harvested, based on size of reproductive plants, changes in invertebrate community structure over time and weight accumulated by the plant, and harvesting methods of the plant, determined by spatial distribution patterns of gels in the plant, its post-pruning regeneration capacity, and the effect of its removal on other intertidal organisms and particularly on juvenile recruitment.

• CA CF FI LS SC

### Biological changes in an alpine river, the Durance, below the Serre-Poncon Dam : species composition 18 and 25 years after filling the reservoir

by B. Dumont. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 33 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5181) Originally published in *French*. ISSN 0704-3716 MICROLOG 90-00065 1 fiche

Assessment of the biological changes below France's largest dam, Serre-Poncon based on two studies conducted 7 years apart. The paper describes the characteristics of the dam, the time frame of the study, characteristics of the study site, the benthic populations and seasonal results from 1977-79, and the biotic

state below the dam in 1984-85.

• CA CF NR PS SC

### Biological characteristics of Great Lakes alewife *Alosa pseudoharengus* : implications for the effects of impingement

by D.W. Rodgers, P.E. Hsien and G.W. Martin. Toronto : Ontario Hydro, Research Division, 1989. iv, 15 p. : ill. Bibliogr. (Report ; no. 89-125-K) MICROLOG 90-00415 1 fiche

This study investigates some of the biological characteristics of alewife from Lakes Ontario and Huron. The genetic structure among Great Lakes alewife and additional alewife collected from the Maritime provinces was determined by comparing allelic frequencies of 25 protein-coding loci which were quantified using electrophoretic techniques. For Great Lakes alewife, several morphological characteristics (measurements of body parts) and meristic parameters (counts of hard bony structures such as fin rays) were also determined. Additional alewife were collected from the cooling water intake of Pickering NGS and the other adjacent open lake to evaluate their pathological and parasitological condition.

EV FI LS ON PR SC

### A Biological inventory and evaluation of Short Hills Provincial Park

by J. Gould. Toronto : Ministry of Natural Resources, 1989. vii, 56 p. : fold. maps. Bibliogr. (Open file ecological report ; 8910) ISBN 0-7729-5917-X MICROLOG 90-01989 2 fiche

A biological inventory of Short Hills Provincial Park was conducted to identify the vegetation, flora and fauna occurring within its boundaries and to identify and map the significant features. Background information was compiled and plant communities delineated on aerial photographs prior to fieldwork. All habitat types were visited at least once over the course of the field season (June, July, August 1988). The vegetation of each plant community was described and a species list compiled for each. Environmental parameters such as soil type and moisture, microclimate and degree of disturbance were noted. Breeding birds were assessed and incidental observations of herpetiles, butterflies and mammals were noted.

CU EV LS ON PR SC

### A Biological inventory and evaluation of the Oriskany Sandstone and Woodlands area of natural and scientific interest

by I.D. Macdonald. Toronto : Ministry of Natural Resources, 1989. x, 193 p. : maps. Bibliogr. Fold maps not filmed. ISBN 0-7729-5910-2 MICROLOG 90-03551 3 fiche

The Oriskany Sandstone and Woodlands area of natural and scientific interest (ANSI) is located in the Regional Municipality of Haldimand-Norfolk, Town of Haldimand, about 3 km north northeast of the hamlet of Nelles Corners, or 7 km west of Cayuga. The area covers approximately 306 ha and consists of a single large woodland with a southern arm that connects it to a wetland and pond, and includes outcrops of sandstone and limestone bedrocks. It is entirely under private ownership by about 8 landowners. This report gives the background of its designation as ANSI, then provides a detailed description of the vegetation, flora, and fauna. Planning and management considerations are included.

EV LS ON PR SC

### Biological inventory and evaluation of Wasaga Beach Provincial Park and adjacent natural areas, Simcoe County, Ontario

by D.F. Brunton. Toronto : Ministry of Natural



Resources, 1989. ix, 166 p. : ill., maps, fold. maps. Bibliogr. (Open file ecological report ; 8905) ISBN 0-7729-5909-9  
MICROLOG 90-01988 3 fiche

A detailed life science inventory of Wasaga Beach Provincial Park and areas adjacent to it, as well as the Marl Lake ANSI candidate, was undertaken during the summer and fall of 1988. A biological inventory was conducted to identify the vegetation, flora and fauna occurring and to identify and map the significant features. Background information was compiled and plant communities delineated on aerial photographs prior to fieldwork. All habitat types were visited at least once over the course of the field season. The vegetation of each plant community was described and a species list compiled for each. Environmental parameters such as soil type and moisture, microclimate and degree of disturbance were noted. Breeding birds were assessed and incidental observations of herptiles, butterflies and mammals were noted.  
CU EV LS ON PR SC

#### Biological safety factors in toxicological risk assessment

produced for the Environmental Health Directorate, Health Protection Branch, Health and Welfare Canada ; by R. Stephen McColl. Ottawa : Health and Welfare Canada, 1990. 42 p. : ill. Bibliogr. French ed. (*Facteurs de sécurité...*) on the same fiche. ISBN 0-662-17638-3  
MICROLOG 90-06409 1 fiche

Traditional approaches to toxicity testing for environmental hazards have focused primarily on the determination of 'safe' levels of exposure to toxic agents, equated with the absence of toxic effects to the exposed human population. This report gives the background to the development of this approach, describes the concept of an acceptable daily intake and the safety factors involved, presents alternative approaches to safety factor methods, and describes safety factor approaches to carcinogens and teratogens.  
CA EV LA SC

#### Biology and exploitation of the White Sea harp seal population

by Y.I. Nazarenko. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 13 p. (Canadian translation of fisheries and aquatic sciences, no. 5141) Originally published in Russian, by Nauka at Moscow, USSR. ISSN 0704-3716  
MICROLOG 90-00117 1 fiche

The harp seal is the most numerous representative of the Phocidae family in the northern hemisphere, with a range extending from the shores of the Canadian Arctic in the west to the islands of Severnaya Zemlya in the east. Within these boundaries they form 3 isolated populations based on habitat and biology, one of which is located in the White Sea. The White Sea population, which lives in the territorial waters of the USSR, is subject to consistent intensive exploitation. This paper describes their biology and exploitation.  
● CA CF FI LS SC

#### Biomedical experimentation involving human subjects

Ottawa : Law Reform Commission of Canada, 1989. 69, 73 p. Bibliogr. (Working paper, 61) At head of title: *Protection of life. Bilingual (L'Expérimentation biomédicale...)*. ISBN 0-662-56900-8  
MICROLOG 90-01587 2 fiche

Report which provides a survey of the current state of the law on the issue; reviews the problems raised by experimentation, including experimentation on foetuses, children and prisoners; and sets out an approach to the issue, particularly with regard to whether the current state of the law is satisfactory or

whether it calls for legislative or some other type of reform.  
CA HE LS SC

#### Biomedical wastes in British Columbia

British Columbia Task Force on Biomedical Waste Management. Victoria : The Task Force, 1989. xxii, 135 p. Bibliogr. Appendices (v, 216 p.) laid in. ISBN 0-7718-8772-8  
MICROLOG 90-00759 5 fiche

In response to serious concerns about the management of biomedical wastes in B.C., a task force was formed in October 1987 to investigate the situation and to recommend a broad biomedical waste system for the province. This report describes the work of the task force, covering the background and terms of reference; definitions, classification, sources, hazards and impacts, a survey of non-governmental stakeholder activities and needs; a description of the task force questionnaire survey; an inventory of such wastes generated in B.C.; waste handling, storage, transport, treatment and disposal, legislative and regulatory controls in Canada, U.S., and Europe; general guidelines both nationally and provincially in Canada, and in the U.S. and Europe, and for various types of wastes, including those related to human immunodeficiency virus (HIV) AIDS, and regulatory agency administrative activities for the province, municipality of Vancouver, and the federal government. Summaries of 9 recent reports from Canada and the U.S. are also provided.  
BC EV HE PR SC

#### Biomedical wastes in British Columbia : executive summary and summary of recommendations of the report of the British Columbia Task Force on Biomedical Waste Management

Victoria : Ministry of Environment, Ministry of Health ; Vancouver, B.C. : Greater Vancouver Regional District ; City of Vancouver, 1989. xii p. ISBN 0-7718-8773-6  
MICROLOG 90-05244 1 fiche

The Task Force was formed on October 1, 1987 to investigate the situation of biomedical waste management and to recommend a broad biomedical waste system for the province. This report summarizes the work of the Task Force in defining and classifying such wastes; giving their sources, hazards and impacts; conducting an inventory of wastes; describing handling, storage, treatment and disposal; and giving legislative and regulatory biomedical waste controls already in place. A summary of the recommendations is included.  
BC EV HE LS PR SC

#### Biomonitoring forests near two sour gas processing plants

by D.G. Maynard. Edmonton : Forestry Canada, Northwest Region, Northern Forestry Centre, 1990. vi, 30 p. : maps. Bibliogr. (Information report ; NOR-X-311) ISSN 0704-7673 ISBN 0-662-17509-3  
MICROLOG 90-05784 1 fiche

In 1981, a 5-year study was initiated to study the effects of sour gas processing on forest ecosystems in west-central Alberta. A biomonitoring network of 26 sites was established in a 30 X 30 km area surrounding the Strachan and Ram River sour gas processing plants. In 1985 the biomonitoring sites were re-examined to determine if additional impact to the forest ecosystem had occurred in the vicinity of the plants in the 4 years since the initial survey. Re-examination of plots also provided additional information for assessing potential pollutant effects on the forest ecosystems. This report summarizes the results from both surveys.  
● AL CA EN EV FO SC

#### Biophysical habitat units of the lower halfay study area : expanded legend

by E.C. Lea and L.E.H. Lacelle. Victoria : Ministry of Environment and Parks, 1989. 29 p. Bibliogr. (Wildlife working report ; WR-43) ISSN 0831-4330  
MICROLOG 90-03064 1 fiche

Results of a project to map ungulate habitat to aid in assessment of ungulate capability and suitability, and provide a framework for enhancement. Soils, terrain, vegetation and wildlife habit were assessed by field work in July and August 1986. One hundred and five sample plots were collected, selected to be representative of various kinds of sites with distinct soil/surficial material, topographic position, topoclimate and successional stage. As well, 25 plots provided by the Ministry of Forests and 90 plots provided by the Ministry of Environment were used to help develop habitat unit descriptions. Biophysical classifications included ecoregions, biogeoclimatic subzones, and biophysical habitat units.  
BC EV LS PR SC

#### Biophysical habitat units of the Mosley Creek study area : expanded legend and interpretations

by E.C. Lea and R.C. Kowall. Victoria : Ministry of Environment and Parks, 1990. 29 p. Bibliogr. (Wildlife working report ; WR-45) ISSN 0831-4330  
MICROLOG 90-07345 1 fiche

The Mosley Creek study area is in the west-central interior of B.C., west of Tatlayoko Lake. The study was undertaken to assess habitat for mule deer and to provide an ecological framework for enhancing and maintaining available forage and cover. In particular, potential for increasing snowbrush and saskatoon, both important mule deer winter browse, was determined. The report describes ecoregions, biogeoclimatic units and habitat units for mule deer. The field study took place in June 1987, with 44 sample plots of soils and vegetation data collected.  
BC EV LS PR SC

#### La Biotechnologie en Ontario : une croissance en toute sécurité

Toronto : la Province, 1989. 55 p. Bibliogr. L'éd. anglaise (*Biotechnology in Ontario...*) 90-02182/1. ISBN 0-7729-6104-2  
MICROLOG 90-02183 1 fiche

Nous connaissons tous divers procédés classiques de biotechnologie, par exemple ceux qui entrent dans la fabrication de la bière ou du vin. Mais les applications récentes de la biotechnologie ont ouvert de nouveaux horizons en présentant des méthodes inédites permettant de synthétiser des produits chimiques, de préparer des réactifs nouveaux pour le diagnostic et le traitement de la maladie, d'éliminer les déchets, de récupérer les minéraux et d'hybrider les plantes et les animaux. Ce document présente une définition de la biotechnologie et certaines de ses possibilités d'exploitation commerciale. Il examine ensuite l'importance qui revêt la définition des risques possibles au moment où l'on ne dispose que de très peu de données factuelles. De plus, on souligne les principales questions et les principes qui sous-tendent l'ensemble des applications de la biotechnologie. Finalement, on y trouve deux approches possibles pour l'élaboration d'un cadre juridique de réglementation de la biotechnologie.  
LS ON PR SC

#### Biotechnologie et sylviculture énergétique : résumés du symposium de l'AEI

W.M. Cheliak et A.C. Yapa, éditeurs. Chalk River, Ont. : Service canadien des forêts, Institut forestier national de Petawawa, 1989. vi, 21 p. : ill. Bibliogr. (Rapport d'information ;



PI-X-84F) ISSN 0228-0736 ISBN  
0-662-95343-6  
MICROLOG 90-00225 1 fiche

Ce document a pour but de donner des renseignements sur la biotechnologie en tant qu'outil pour l'aménagement des plantations. Ainsi, les ressources en plasmas germinatifs, le développement des ressources génétiques, l'aménagement des cultures, la culture des tissus, la génétique moléculaire et le génie génétique sont tous traités dans ce document. Finalement, y sont présentés certains détails sur la possibilité d'intégrer les techniques présentées dans un programme d'aménagement des cultures.

• AG CA FO LS SC

### Biotechnology

Edmonton : Alberta Technology, Research and Telecommunications, 1989. 32 p. : ill.  
MICROLOG 90-05884 1 fiche

Pamphlet giving an overview of the province's efforts in developing this area. After an explanation of what biotechnology involves, the achievements of the government are summarized, both in legislation and in support of research at the University of Calgary and the University of Alberta. A summary of funding and programs and the areas of expertise conclude the presentation. A list of companies involved in the area, with a description of their products and services is also included.

AL LS PR SC

### Biotechnology in Ontario : growing safely

Toronto : The Province, 1989. 52 p. Bibliogr. French ed. (*La Biotechnologie en Ontario...*) : 90-02183/1 ISBN 0-7729-6074-7  
MICROLOG 90-02182 1 fiche

This Green Paper was issued to give the public a chance to participate in the development of regulatory policy relating to the new advances in biotechnology. The main objectives of the paper were to develop policy that assures protection of human health and the environment; to define an appropriate regulatory framework that sets out the requirements for all biotechnological work in Ontario; and to seek consistency with requirements in other jurisdictions. The paper describes biotechnology and some of the opportunities for commercial exploitation; the need to identify potential risks when there is little factual information, the current state of biotechnology in Canada and Ontario and the jurisdictional issues, current approaches to legislation and control, major issues and matters of principle common to all applications of biotechnology, and concludes with 2 possible approaches for providing a legal framework for regulation.

LS ON PR SC

### Biotests conventionnels et évaluation des dangers : optimisation de l'outil bio-analytique

par l'Institut national de recherche scientifique-Eau ; pour le Bureau de coordination de la recherche et du développement et la Direction des laboratoires, Ministère de l'environnement du Québec. Québec : Ministère de l'environnement, Bureau de coordination de la recherche et du développement en environnement, 1989. xv, 156 p. Bibliogr. En tête du titre: Assainissement de l'environnement. ISBN 2-550-19891-3  
MICROLOG 90-01922 2 fiche

Dans le cadre d'une évaluation des effets environnementaux d'effluents industriels, certaines informations relatives aux différentes propriétés du rejet sont nécessaires afin de préciser la signification environnementale des variables de toxicité. Ce document propose une procédure de dépistage de dangers qui,

utilisant des biotests conventionnels supportés par des analyses chimiques, permet d'apporter une dimension environnementale à la signification des mesures de toxicité.  
EV PR QU SC

### Birds Hill Provincial Park

compiled and written by Cheryl Archer.  
Winnipeg : Manitoba Natural Resources, Parks, 1989. iv, 32 p. : ill.  
MICROLOG 90-04932 1 fiche

Guide to Birds Hill Provincial Park, covering its history and the plants and wildlife in the park. Information is also given on programs, camping, and attractions within 45 minutes of the park.  
CU MS PR SC

### Birth and death statistics by health units of Alberta, 1988

Edmonton : Alberta Health, Health Economics and Statistics Branch, 1990. iii, 171 p. : ill., maps. CSI 36018.003.  
MICROLOG 90-05392 2 fiche

The annual report presents natality and mortality patterns in Alberta, observed at the health unit level. This volume contains birth, infant mortality and death statistics and related indices for the year 1988, disaggregated by 27 health units.

AL HE PR ST

### Black bear harvest statistics, 1988, New Brunswick

by K. Craig. Fredericton : Dept. of Natural Resources and Energy, Fish and Wildlife Branch, 1988. 20 p. : ill. French ed. (*Statistiques sur les prises...*) on the same fiche. CSI 45124.005.  
MICROLOG 90-02263 1 fiche

It has been noted that some of the hunting pressure appears to be shifting from the spring season to the fall season. This document presents data on the harvest of black bears in New Brunswick, covering number of licences to residents and non-residents, and the kill by residents and non-residents, as nuisance and road kills, by bows, season, county, age and sex, and weight, from 1979-88.

AP PR ST

### Black bear harvest statistics, 1989, New Brunswick

by K. Craig. Fredericton : Dept. of Natural Resources and Energy, Fish and Wildlife Branch, 1990. 20 p. : ill. French ed. (*Statistiques sur les prises d'ours...*) on the same fiche. CSI 45124.005.  
MICROLOG 90-07086 1 fiche

Annual report of black bear hunt in New Brunswick, including license sales to residents and non-residents, and kills by age, sex, county, and parish. An historical overview from 1936 is also given.

AP CU PR ST

### Black spruce outplantings in boreal Ontario : chemical site preparation with hexazinone

by J.E. Wood, R.A. Campbell and F.W. Curtis. Sault Ste. Marie, Ont. : Canadian Forestry Service, Great Lakes Forestry Centre, 1989. 28 p. : ill. Bibliogr. (Information report : O-X-398) ISSN 0832-7122 ISBN 0-662-16810-0  
MICROLOG 90-04475 1 fiche

To evaluate hexazinone's potential as a site preparation tool for establishing black spruce on productive upland boreal sites in northern Ontario, a cooperative study was initiated in 1979. Over 4 years, 5 experiments were begun. The study also sought to determine the delay required between chemical site preparation and planting. This report contains 5-year results from the crop-tree response portion of the study.

• CA FO ON SC

### Blackpoint and smudge of wheat

Regina : Saskatchewan Agriculture and Food ; Saskatchewan Rural Development, 1990. 2 p. (Farm facts) ISSN 0840-9447  
MICROLOG 90-03565 1 fiche

Short description of blackpoint and smudge of wheat, kernel discolourations of wheat or other cereals caused by numerous species of fungi and bacteria. The various types are described and methods of control are given.

AG MS PR SC

### Bleeding and gutting of cod

by G. Valdimarsson, A. Matthiasson and G. Stefansson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 10 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5325) Originally published in Icelandic. ISSN 0704-3716  
MICROLOG 90-02102 1 fiche

Proper bleeding of the fish carcass has a decisive effect on product quality, whether the fish be fresh, frozen or salted. In Iceland, there are two methods of bleeding the fish, one requiring a two-step procedure, and the other, imported from foreign fisheries, involves bleeding and gutting in one step. This paper discusses the 2 methods, their advantages and disadvantages, and the grading of the resultant filets.

• CA CF FI SC

### Bleeding of cod on board factory trawlers

by W. Fletchenmacher. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 16 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5363) Originally published in German. ISSN 0704-3716  
MICROLOG 90-01495 1 fiche

In a competitive market, the fish-processing industry strives to produce light-coloured, deep-frozen fish products. The use of fish well-drained of blood is also necessary to preserve the quality, since residual blood in the flesh causes changes in colour and odour, oxidation, and deterioration during storage periods. This paper examines whether exsanguination could be effected with freshly caught fish on board a factory trawler, before the fish is deep-frozen. Preliminary tests were carried out in 1971 and 1972 on a factory trawler to determine the bleeding effect in cod by collecting the blood exuded when the fish were bled and calculating its ratio to the total weight of the fish. The main tests were carried out in the laboratory and evaluated the bleeding effect in relation to time elapsed since removal of the fish from the tank and a constant exsanguination time of 30 minutes.

• CA CF FI SC

### Blessures par piqûre d'aiguille : résumé des risques sur le plan professionnel

par J.A. Baxter. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1990. i, 12 p. Bibliogr. L'éd. anglaise (*Needlestick injuries : a summary...*) : 90-04254/1 ISBN 0-660-92963-5  
MICROLOG 90-05753 1 fiche

Les piqûres d'aiguille peuvent propager des maladies infectieuses, particulièrement des virus à diffusion par voie sanguine. Au cours des dernières années, les inquiétudes suscitées par l'hépatite B et le SIDA ont stimulé les recherches en vue de déterminer la cause de ces blessures et de mettre au point des mesures de prévention. Les facteurs à l'origine des blessures par piqûre d'aiguille ne font pas l'unanimité dans de nombreuses études. Malgré les programmes de formation et la publication de directives, ces blessures



constituent toujours un problème. Ce document se penche principalement sur cette question.  
● CA HE LA

**Board of School Trustees, Regional Administrative Unit no. 2 : Annual report 1988-89**

Charlottetown : Dept. of Education, 1989. i, 53 p. CSI 61102.003  
MICROLOG 90-04286 1 fiche

This annual report contains a general statement of the activities of the Board, a report of the Superintendent, and certain tables giving details of the costs, enrolments, attendance, and transportation of students.  
AP ED PR ST

**Board of Trustees of Regional Administrative Unit no. 4 : Annual meeting 1988-89**

Charlottetown : Dept. of Education, 1989. 25 p. CSI 61102.005.  
MICROLOG 90-04287 1 fiche

This annual report contains a general statement of the activities of the Board, along with the reports of the various Standing Committees. In addition, it provides statistical information by way of tables on costs, enrolments, attendance, and transportation of students.  
AP ED PR ST

**Body composition and skin temperature variation**

by J. Frim...et al. Downsview, Ont. : Defence and Civil Institute of Environmental Medicine, 1989. 4 p. : ill. Bibliogr. (DCIEM report ; 89-P-55)  
MICROLOG 90-06460 1 fiche

Because mean skin temperature is commonly used as an indicator of thermal stress in studies of the effects of adverse environments on humans, it is important to know the extent of the variation and the potential error it may cause in determining mean skin temperature. This study was undertaken to examine the relationships among body composition, skinfold thickness, and skin surface temperature variations. Thermistors were used to measure skin temperatures at 4 standard torso sites, and skinfold thicknesses were measured at these same sites. Subjects were selected to provide a sample with a wide range of body fat content, and the experiments were carried out at three different ambient temperatures to determine the effect of environmental conditions on the observed relationships.  
● CA HE LS SC

**Bombardier single-cylinder medium-speed research engine and test facility, phase IV : development of L.O.E. engine and turbocharger rig**

prepared for the Transportation Development Centre, by M.L. Payne and L. Propetto. Montreal : Bombardier Inc., Rail and Diesel Products Division, 1989. x, 236 p. : ill. Bibliogr.  
MICROLOG 90-01746 3 fiche

The need for continued research and development to enhance diesel engines is approaching the critical stage. Current and pending North American environmental regulations are placing efficiency and usage restrictions on the diesel which can only be overcome by understanding the interactions of the whole system. The lub oil evaluation (LOE) version of the Bombardier single-cylinder research engine (BSCRE) was designed and developed as an aid in understanding lubricating oils and their performances. This report describes the development of the BSCRE/LOE version, and the development of a turbocharger test rig. Both are requisite to medium-speed diesel engine research. Additional tasks completed included a comprehensive BSCRE users' documentation package and the addition

of an atomic absorption spectrophotometer to the fuels and lubricants laboratory.  
ON PR PS SC TR

**Bonavista Peninsula fuelwood supply study**

Highlands Contracting Ltd. St. John's : Dept. of Energy, Energy Branch, 1987. xiii, 67 p. maps. Bibliogr. On cover.  
Canada/Newfoundland Conservation and Renewable Energy Demonstration Agreement  
MICROLOG 90-03770 1 fiche

Assessment of designated forest areas to establish whether such areas are technically and economically recoverable for fuel chip production, including sawmill residue; investigation of harvesting/chipping options and their costs; investigation of handling, transportation and storage systems and their costs; and provision of a 1-year operating plan plus a 5-year harvesting plan.  
● AP CA EN PR SC

**Borderlands reflections : the United States and Canada**

by L. McKinsey and V. Konrad. Orono, ME : Canadian-American Center, 1989. v, 37 p. Bibliogr. (Borderlands monograph series ; no. 1) ISSN 1040-3264  
MICROLOG 90-02312 1 fiche (Available on fiche only)

This essay introduces a methodology for studying the complex American-Canadian relationship from a borderlands perspective. It is the first in a series of monographs to be published on the subject. The documents are meant to promote greater recognition and understanding of the status of the United States and Canada as border neighbors. It is a comprehensive study of transborder attributes undertaken by a multidisciplinary team of social science and humanities scholars from both sides of the border.  
● CA EX

**Botha Township**

compiled by the staff of the Resident Geologist's Office, Sudbury, Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 16 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 485)  
MICROLOG 90-01092 1 fiche

Geological data inventory for Botha Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of a general index search, and selected references.  
NR ON PR PS SC

**Le Braconnage du saumon : une réalité économique dont la collectivité fait les frais**

Québec : Ministère du loisir, de la chasse et de la pêche, 1989. 8 p. : ill. Bibliogr. ISBN 2-550-19481-0  
MICROLOG 90-01806 1 fiche

Au Québec, le saumon atlantique a de tout temps constitué une ressource hautement convoitée, que ce soit à des fins récréatives, commerciales ou de subsistance. Ainsi, l'attribution de cette ressource renouvelable soulève toujours beaucoup de passions puisqu'elle confronte le mode de vie ancestral des autochtones, le gagne-pain des pêcheurs côtiers et la pratique récréative des adeptes de la pêche au saumon. Ce document a pour objectif de faire connaître un outil de sensibilisation susceptible de contribuer à l'élimination du braconnage. Elle consiste à mesurer l'ampleur des préjudices causés à la collectivité lors de la perpétration d'actes de braconnage et à élaborer une charte-type des compensations exigibles, conformément à la gravité du geste posé.  
EV FI PR QU SC

**Brampton (Ont.) : Financial report 1989**

Brampton, Ont. : The City, 1990. 34 p. CSI 89166.002  
MICROLOG 90-07375 1 fiche

Financial report for the city contains five-year statistical summary, consolidated financial statements, trust funds financial statements, and financial information return for the Ministry of Municipal Affairs  
CO MU ON PA

**A Branch-and-bound approach for the multicommodity location problem with balancing requirements**

by T.G. Crainic, L. Delorme and P. Dejax. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 34 p. Bibliogr. (Publication ; no. 652)  
MICROLOG 90-01617 1 fiche

One of the major logistics issues faced by transportation firms concerns the strategic/tactical aspect of the fleet management problem: the location of the depots for the rolling stock and the forecast management of empty movements. A version of this problem is faced by maritime container transportation companies in the planning of their land operations. The general problem is to locate the empty container depots so as to collect from clients the supply of empty containers and to satisfy client demands for empty containers, while minimizing the total operation cost the cost of opening and operating the depots, plus the transportation costs of the empty movements between depots and between clients and depots. This paper presents a branch-and-bound algorithm for the multicommodity location-allocation problem with balancing requirements and develops and analyses various branching criteria aimed toward tailoring the most efficient branch-and-bound procedure. The experimentation was conducted on several randomly generated problems and on a large scale application.  
PR PS QU SC TR

**Brandon (Man.) : Financial report 1989**

Brandon, Man. : The City, 1990. 20 p. CSI 89128.001.  
MICROLOG 90-05081 1 fiche

The financial statements for the City presents their financial position along with its operational results. The statements provide schedules, statistical information and notes to the financial statements.  
CO MS MU

**Brazeau-Pembina Sub-Regional Integrated Resource Plan : Annual report 1989-90**

Edmonton : Alberta Forestry, Lands and Wildlife, 1990. iv, 19 p. CSI 34126.006. ISBN 0-86499-729-9  
MICROLOG 90-07229 1 fiche

Third annual report summarizing progress to date on the implementation of the resource plan. The report identifies projects undertaken or to be undertaken in the areas of wildlife, watershed, timber, fisheries, recreation, forage, agriculture, tourism, surface materials, access, and land use administration. Information is given on management intent, results expected, results achieved and anticipated activities for the coming year. Geographic locations of activities in the planning area are given by resource management areas.  
AL EV MS NR PR SC

**The Breeding bird survey in Canada 1966-83 : analysis of trends in breeding bird populations**

by B.T. Collins and J.S. Wendt. Ottawa : Canadian Wildlife Service, 1989. 81 p.



Bibliogr. (Technical report series ; no. 75)  
ISSN 0831-6481 ISBN 0-662-17277-9  
MICROLOG 90-02388 1 fiche

The breeding bird survey was begun in 1966 in the United States east of the Mississippi River and in the Canadian Maritime provinces. In subsequent years it was expanded to cover all of the 48 states and all 10 provinces and the Yukon Territory. The survey has been conducted every year since, entirely by volunteer observers. This report uses a modification of the Geissler and Noon approach to measure the long-term trends in populations in Canada. This was done to report results of the Canadian portion of the study separately from the continental estimates. The full analysis provides separate estimates of trends for selected species from 6 geographic regions. The methodology is included also.  
CA EV SC

**Breeding waterfowl, wetlands acidity and food resources in the Lepreau River watershed of southern New Brunswick**

by G.R. Parker, M. Petrie and D. Sears.  
Ottawa : Canadian Wildlife Service, Atlantic Region, 1989. vi, 37 p. : ill. (Technical report series ; no. 84) ISSN 0831-6481 ISBN 0-662-17389-9  
MICROLOG 90-02440 1 fiche

No previous studies in Atlantic Canada had examined distribution of breeding waterfowl and broods relative to water acidity even though much of the region was identified as having been affected by, or as being highly sensitive to, the effects of acid rain. This study documented the distribution and productivity of waterfowl in a region of the Maritimes geologically sensitive to the impact of acid rain and measured the relationship that might exist between waterfowl populations, water acidity and aquatic invertebrate resources.  
AP CA EV SC

**Brief to the province of Ontario : 1989-90 transfer payment announcement**

Toronto : Association of Municipalities of Ontario, 1989. 10 p. Bibliogr. (AMO report : report series 1989 ; 89-1)  
MICROLOG 90-01023 1 fiche (Available on fiche only)

This document discusses provincial-municipal relations, the zero per cent increase to the 1989 unconditional grant program, and provincial priorities and conditional grant increases.  
MU ON PA

**Briquetting in the beneficiation of fine coals**

by E. Swartzman. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1989. ii, 26 p. Bibliogr. (Report ; TM 33/59-PREP) Paper prepared for the Annual Meeting of the Mining Society of Nova Scotia.  
MICROLOG 90-04545 1 fiche

General review of the various methods of briquetting, with and without the aid of a binder, with special reference to the production of a suitable briquette from Nova Scotia fines for reblending with industrial coal.  
● AP CA CM EN PS SC

**British Columbia. Compensation Stabilization Program : Annual report 1988**

Victoria : The Program, 1988. 17 p.  
CSI 38123.001. ISSN 0822-0697  
MICROLOG 90-00356 1 fiche

This annual report includes a directory, an organization chart, the commissioner's report, background information on the Program, and

1988 unweighted settlements.  
BC CO PA PR

**British Columbia. Dept. of Insurance : Annual report of the Superintendent of Insurance 1988**

Victoria : Ministry of Finance and Corporate Relations, 1989. 125 p. CSI 38125.001. ISSN 0704-8580  
MICROLOG 90-07342 2 fiche

This annual report includes a summary of activities, annual statements of provincial insurers, abstracts of returns for extra-provincial insurance companies licensed in British Columbia, and abstracts of returns for extra-provincial reciprocal exchanges licensed in British Columbia.  
BC CO PR

**British Columbia. Division of Tuberculosis Control : Annual report 1988-87**

Victoria : The Division, 1987. xxvi, 43 p. CSI 38127.001.  
MICROLOG 90-00881 1 fiche

This report presents statistical and epidemiological information about tuberculosis in the province. It covers the following aspects: hospital admission for tuberculosis, treatment of active tuberculous disease as well as chemoprophylaxis, an analysis of active cases and tuberculosis-related mortality, and case-finding programmes.  
BC HE PR SC ST

**British Columbia. Division of Vital Statistics : Annual report 1988**

Victoria : The Division, 1989. viii, 57 p. : ill. CSI 38129.001. ISSN 0702-9446  
MICROLOG 90-00916 1 fiche

Presents a review of vital statistics, a summary of vital statistics events, birth, marriage and death statistics.  
BC HE PR ST

**British Columbia. Industrial Relations Council : Annual report 1989**

Victoria : The Council, 1990. 75 p. : ill. CSI 38102.001. ISSN 0838-0899  
MICROLOG 90-05603 1 fiche

The Council maintains industrial and employee relations through public monitoring of practices and procedures of collective bargaining agreements. The annual report contains brief profiles of each Council member, Council rules and guiding legislation, disposition of applications, caseload for the year, and a statistical profile of applications and disposition for 1989.  
BC LA PR ST

**British Columbia. Legal Services Society : Annual report 1988-89**

Vancouver, B.C. : The Society, 1989. 23 p. : ill. CSI 38137.001. ISSN 0713-0651  
MICROLOG 90-07056 1 fiche

The Society provides services ordinarily provided by a lawyer to individuals who would not receive them due to financial reasons, and is responsible for educating, advising and informing the public about the law in British Columbia. The annual report reviews legal aid demand, public services provided such as school programs, public legal education, and Native programs. Financial information is provided with an auditor's report and a list of offices around the province.  
BC JU PR

**British Columbia. Legislative Library : Annual report 1989**

Victoria : The Library, 1990. viii, 45 p. : ill. CSI 38166.001. ISSN 0831-3199  
MICROLOG 90-06145 1 fiche

The Library provides reference and research services for the Members of the Legislative

Assembly, their research staffs, the Executive Council, the Officers of the House, legislative support staffs and the Press Gallery, and under certain conditions, the public. The annual report reviews administrative activities and client caseloads as experienced by Technical Services and Public Services. Also reviews acquisitions, cataloguing activity, inter-library loans and other library-related activities.  
BC CU PA PR ST

**British Columbia. Liquor Distribution Branch : Annual report 1988-89**

Victoria : The Branch, 1989. 44 p. : ill. CSI 38139.001. ISSN 0710-8648  
MICROLOG 90-05604 1 fiche

The Branch has a mandate to purchase, distribute and merchandise alcohol products in the Province. This annual report gives an operational, statistical and financial review of the Branch during the fiscal year. Provides a review of sales by product, development region and store.  
BC CO PA PR ST

**British Columbia. Liquor Distribution Branch : Financial statements 1988-89**

Victoria : The Branch, 1989. 50 p. CSI 38139.002. ISSN 0709-4531  
MICROLOG 90-05115 1 fiche

Presents financial position of the Branch with balance sheet, statement of income, and change in financial position for the year ending March 31, 1989. Includes supplementary statements of operating expenses, statement of debentures, detailed payments, summary of salaries, wages and travelling expenses, and payments to corporations and individuals for supplies and services.  
BC CO PR ST

**British Columbia. Medical Services Commission : Financial statements 1988-89**

Victoria : The Commission, 1989. 35 p. CSI 38167.003. ISSN 0383-3534  
MICROLOG 90-03157 1 fiche

Contains main statements of the Medical Services Plan, together with supplementary information.  
BC HE PR

**British Columbia. Ministry of Advanced Education and Job Training : Annual report 1988-89**

Victoria : The Ministry, 1989. 32 p. CSI 37121.001.  
MICROLOG 90-06599 1 fiche

The mission of the Ministry is to promote the advancement of knowledge and human potential. This annual report highlights the achievements and activities of the Ministry. Includes reports on universities, colleges and institutes, science and technology, job training apprenticeship, and the Labour Market Policy, the Women's Secretariat and administration and support services.  
BC ED PR

**British Columbia. Ministry of Agriculture and Fisheries : Annual report 1988-89**

Victoria : The Ministry, 1989. 45 p. : ill. CSI 37100.001. ISSN 0835-4871  
MICROLOG 90-05486 1 fiche

Annual report of the Ministry, discussing financial stability, competitiveness, quality, development and extension, the environment, and management accountability in the sector. Statistical tables provide data on farm area, receipts and expenses, aquaculture production, fish landings, and use of funds distributed under various programs. Financial statements, and a description of the Ministry's organization



conclude the document.  
AG BC FI PR SC ST

**British Columbia. Ministry of Crown Lands : Annual report 1988-89**

Victoria : The Ministry, 1989. 46 p. : ill.  
CSI 37123 001 ISSN 1181-6996  
MICROLOG 90-07313 1 fiche

The Ministry's mission statement commits it to manage public land to ensure access for industry, commerce, settlement, recreation and conservation in a manner that is sensitive to environmental needs and sustainable development. This annual report reviews the performance of the Regional Operation Division by program (Shoreland Sales, Free Crown Grant) and region, and the Land Services Division (Land Policy Branch, Real Estate Services Branch, Surveyor General, Surveys and Resource Mapping Branch). Appendices provide financial highlights and statistics relating to land tenure by number, area, region and program.  
BC PR PW

**British Columbia. Ministry of Education : Annual report 1988-89**

Victoria The Ministry, 1990. 118 p. : ill.  
Executive summary (7 p.) laid in.  
CSI 37103 001 ISSN 0711-9151  
MICROLOG 90-02946 2 fiche

This annual report summarizes the general effectiveness of the school system in educating learners. Each chapter discusses one of the eight major objectives of education, outlines the activities that relate to that goal or attribute, and reports the results of those activities.  
BC ED PR

**British Columbia. Ministry of Energy, Mines and Petroleum Resources : Annual report 1987-88**

Victoria : The Ministry, 1989. 31 p. : ill.  
CSI 37104 001 ISSN 0228-0078  
MICROLOG 90-01219 1 fiche

Annual report covering the 15-month period January 1, 1987-March 31, 1988, at which time the Ministry was reorganized. The report gives an overview of activities in the energy resources, mineral resources, and revenue and operational services divisions. Financial data is included.  
BC EN NR PR SC ST

**British Columbia. Ministry of Energy, Mines and Petroleum Resources : Annual report 1988-89**

Victoria : The Ministry, 1989. 39 p. : ill.  
CSI 37104 001 ISSN 0228-0078  
MICROLOG 90-06610 1 fiche

Annual report for 1988-89 of the Ministry, presenting highlights of the year in the Energy Resources Division, Mineral Resources Division and Revenue and Operational Services Division. Energy Resources branches include energy policy; forecasts and special projects; petroleum titles and geology; engineering and operations. Mineral Resources branches cover the mining mineral policy, geological survey; engineering and inspection; and mineral titles. The Revenue and Operational branches consist of resource revenue, administration; information systems; financial services and personnel services. Each branch highlights its own financial position. A Ministry overview presenting legislation, and the Ministry telephone directory conclude this document.  
BC EN NR PR PS SC ST

**British Columbia. Ministry of Finance and Corporate Relations : Annual report 1988-89**

Victoria The Ministry, 1989. 61 p. Bibliogr.  
CSI 37106 001 ISSN 0835-7315  
MICROLOG 90-04438 1 fiche

The Ministry ensures that public monies are collected, managed and disbursed in the public interest; that the provincial marketplace is fairly and effectively governed, free from unnecessary regulation, and worthy of confidence, and that data disseminated is reliable. This report reviews the functions, activities and highlights of the following divisions under the Ministry's jurisdiction: Provincial Treasury, Office of the Comptroller General, Treasury Board Staff, Corporate Relations, Revenue Division, Administration and Support Services, Central Statistics Bureau, and the Securities Commission. Includes lists of statutes administered and Ministry publications.  
BC CO PA PR ST

**British Columbia. Ministry of Forests and Lands : Annual report 1988-89**

Victoria : The Ministry, 1990. 91 p. : ill.  
CSI 37107 001 ISSN 0838-3154  
MICROLOG 90-07033 2 fiche

Annual report of the Ministry, which manages the forest, range, recreation and public land resources of the province. Information is presented on forest harvesting, silviculture, research, forest protection, integrated resource management, fire suppression, inventory, Forest Resource Development Agreement, Forest Stand Management Study, and Small Business Forest Enterprise Program. Legislative authority, financial statements, and organizational charts are also included.  
BC FO PR SC ST

**British Columbia. Ministry of Government Management Services : Annual report 1988-89**

Victoria : The Ministry, 1989. 25 p.  
CSI 37125 001 ISSN 0847-4281  
MICROLOG 90-07352 1 fiche

This Ministry provides goods and services to government, business and people of the province through the Queen's Printer, postal services, vehicle management, air services, the Purchasing Commission, the Office of Information Technology, government personnel services, the Superannuation Commission, privatization, the Centre for Executive and Management Development and ministry support services. This annual report reviews the year's activities for the Ministry's commissions and divisions. It also provides Ministry accounts.  
BC PA PR

**British Columbia. Ministry of Health : Annual report 1987-88**

Victoria : The Ministry, 1989. vi, 101 p. : ill.  
CSI 37108 001 ISSN 0706-4810  
MICROLOG 90-03125 2 fiche

This annual report reviews management operations, the Medical Services Plan, Preventive Services, Community Care Services, and Institutional Services. It also includes a report on Ministry of Health expenditures.  
BC HE PR ST

**British Columbia. Ministry of Labour and Consumer Services : Annual report 1988-89**

Victoria : The Ministry, 1989. 39 p.  
CSI 37113 001 ISSN 0836-1126  
MICROLOG 90-05632 1 fiche

The annual report reviews the activities of labour relations, workers' compensation, consumer credit and debtor assistance, motor dealers, cemeteries, travel services, liquor licensing activity, and the Department's own administrative activities for the year. Also covered are alcohol and drug programs, CounterAttack, B.C. Council of Human Rights, and the Industrial Relations Council.  
BC CO LA PR ST

**British Columbia. Ministry of Municipal Affairs : Annual report 1988-87**

Victoria The Ministry, 1989. 114 p.  
CSI 37115 001 ISSN 0227-5600  
MICROLOG 90-00880 2 fiche

The Ministry sustains local government, and sets and maintains safety standards in the built environment. This annual report includes a ministry overview, and a review of local government services, the Safety Standards and Revitalization Division, and administration and support services.  
BC MU PA PR ST

**British Columbia. Ministry of Native Affairs : Annual report 1988-89**

Victoria : The Ministry, 1989. 20 p.  
CSI 37122 001 ISSN 1180-1905  
MICROLOG 90-07353 1 fiche

The mandate of the Ministry is to establish ongoing consultative mechanisms with Native people and groups, local communities and the federal government with respect to Native affairs. This annual report outlines the major activities and accomplishments of the Ministry. It also includes a financial statement.  
BC NP PR

**British Columbia. Ministry of Parks : Annual report 1988-89**

Victoria The Ministry, 1990. 37 p. : ill.  
CSI 37105 001 ISSN 0847-4516  
MICROLOG 90-05516 1 fiche

The Ministry's mission is to protect and manage, for public benefit and use, outstanding examples of B.C.'s natural and cultural environment. This annual report gives an overview of the Ministry and discusses parks, including managing park resources, ecological reserves and outdoor recreation services. Statistics are given for park lands and park use.  
BC CU EV PR SC ST

**British Columbia. Ministry of Regional and Economic Development : Annual report 1989-90**

Victoria The Ministry, 1990. 45 p. : ill.  
CSI 37110 001 ISSN 1181-6546  
MICROLOG 90-07315 1 fiche

The mission of the Ministry is to promote environmentally sound economic growth and diversification, and to ensure access to government services, in all regions of the province. This annual report outlines the major activities and accomplishments of the Ministry's various Divisions. It includes an overview of Ministry programs and publications.  
BC CO PR

**British Columbia. Ministry of Social Services and Housing : Annual report 1988-89**

Victoria : The Ministry, 1989. 139 p.  
CSI 37120 001 ISSN 0317-4670  
MICROLOG 90-06331 2 fiche

The Ministry has responsibility for matters relating to social and public welfare and social assistance through programs of income assistance, employment services, child support and protection, residential programs, mentally handicapped services, Pharmacare, and services for seniors. This annual report reviews these activities of each department, organization; family and children's services; rehabilitation and support services; income assistance, services to seniors, Housing, Ministry administration, and Legislation administered by the Ministry. Financial statements are included.  
BC PL PR SA ST



**British Columbia. Ministry of the Attorney-General : Annual report 1988-89**

Victoria : The Ministry, 1990. 82 p. : ill.  
 CSI 37101.001. ISSN 0704-6022  
 MICROLOG 90-07067 1 fiche

The services of the Ministry are divided into four branches: legal services; criminal justice; court services; and management services and regulatory programs. The annual report covers activities in all branches, as well as service agencies, such as the Expropriate Compensation Board, the Law Courts Education Program, the Law Reform Commission and the Legal Services Society. Tables are given on the percentage of cases in the provincial court that were dealt with from April 1986 to March 1989.

BC JU PR ST

**British Columbia. Ministry of Tourism and Provincial Secretary : Annual report 1988-89**

Victoria : The Ministry, 1989. 41 p. : ill.  
 CSI 37117.001. ISSN 0847-4710  
 MICROLOG 90-03154 1 fiche

The Ministry functions to promote and encourage the tourist industry in the province. This annual report reviews tourism marketing, tourism product and services, provincial secretary programs, other services to the government and the public, and the ministry support services.

BC CU PR

**British Columbia. Ministry of Transportation and Highways : Annual report 1987-88**

Victoria : The Ministry, 1989. v, 74 p. : ill.  
 CSI 37118.001. ISSN 0706-1897  
 MICROLOG 90-01376 1 fiche

Annual report of the Ministry, presenting the mission and objectives of the department, an overview of the activities of the year, and more detailed information on highway operations, transportation policy including rail and ferries, and motor vehicle licensing and safety. This Ministry also includes the Native Affairs Secretariat, established in 1987 to provide interministerial and federal/provincial coordination of service delivery, negotiate self-government arrangements with Native communities, develop and recommend new provincial policies, and establish ongoing consultative mechanisms. Financial data is included.

BC PR SC ST TR

**British Columbia. Ministry of Transportation and Highways : Annual report 1988-89**

Victoria : The Ministry, 1989. 51 p. : ill., maps.  
 CSI 37118.001. ISSN 1180-5315  
 MICROLOG 90-06392 1 fiche

Annual report of the Ministry, giving an overview of the year's activities and details on the privatization of road and bridge maintenance services and its economic and regional benefits; the development of a long-term transportation plan; the major highway projects during the year; the new sign program; and the reorganization on the regional and district levels. Details on the departments of highway operation and planning and major projects are also included. The legislative acts governing the Ministry are summarized and budget figures are given.

BC PR SC ST TR

**British Columbia. Motor Carrier Commission : Annual report 1988-89**

Vancouver, B.C. : The Commission, 1989. 28 p.  
 CSI 38147.001. ISSN 0708-210X  
 MICROLOG 90-00557 1 fiche

This annual report provides general information on the Commission, and information on revenue, applications, and hearings. It also includes a statement of mechanical certification of vehicles, tariff and time schedules, and reviews motor carrier division activities.

BC PR SC TR

**British Columbia. Motor Carrier Commission : Annual report 1989-90**

Victoria : The Commission, 1990. 31 p.  
 CSI 38141.001. ISSN 0708-210X  
 MICROLOG 90-07068 1 fiche

Annual report of the Commission, which regulates motor carriers, promotes safety on the highways, and fosters sound economic conditions in the transportation business. Coverage includes legislative changes, both federally and provincially; applications for licenses; hearings; revisions to the fee schedule; revenue; and safety measures. Also included is a summary of revenue, and orders following from hearings.

BC PR SC TR

**British Columbia. Office of the Auditor General : Annual report 1989-90**

Victoria : The Office, 1990. 374 p. : ill.  
 CSI 38143.001. ISSN 0708-5222  
 MICROLOG 90-05140 4 fiche

The Auditor General provides independent opinions and evaluations on the financial and administrative management of the Government and its related entities in the public sector, as well as promoting improvement in public sector accountability. The annual report contains status of findings and recommendations about government financial statement audits.

BC CO PA PR

**British Columbia. Office of the Ombudsman : Annual report 1988**

Victoria : The Office, 1989. 153 p. : ill.  
 CSI 38144.001. ISSN 0835-5428  
 MICROLOG 90-00653 2 fiche

This annual report includes implementation updates, and reviews major initiatives. It also presents case summaries, statistics, and the Ombudsman Act.

BC JU PA PR ST

**British Columbia. Office of the Ombudsman : Annual report 1989**

Victoria : The Office, 1990. 213 p. : ill.  
 CSI 38144.001. ISSN 0835-5428  
 MICROLOG 90-05618 3 fiche

It is the mandate of the Ombudsman to ensure that the public receives quality delivery of administration of public services. The annual report reviews all outstanding and current complaints brought to the attention of the Ombudsman's Office by government department, board, commission and associated agency.

BC JU PA PR ST

**British Columbia. Provincial Agricultural Land Commission : Annual report 1988-89**

Burnaby, B.C. : The Commission, 1989. 11 p.  
 CSI 38147.001. ISSN 0708-4048  
 MICROLOG 90-06604 1 fiche

The Commission has a mandate to preserve agricultural land and to encourage the establishment and maintenance of farms, and the use of land compatible with agricultural purposes. The Commission administers the Agricultural Land Reserve (ALR) through application review, review of planning projects, and administration of the Soil Conservation Act and regulations. Issues dealt with in 1988-89 include a review of the administration of the Agricultural Land Commission Act, financial assistance for urban infrastructure for lands outside the ALR and the Kelowna Block

Application. Includes financial statements.  
 AG BC EV NR PR SC

**British Columbia. Provincial Capital Commission : Annual report 1988-89**

Victoria : The Commission, 1989. 40 p. : ill.  
 CSI 38149.001. ISSN 0827-1089  
 MICROLOG 90-01220 1 fiche

The Commission's mandate is to enhance and beautify the environment of the Capital Region. This document reviews the activities and projects of the Commission.

BC MU PA PR

**British Columbia. Select Standing Committee on Labour, Justice and Intergovernmental Relations : First report : Builders Lien Act**

Victoria : Legislative Assembly of British Columbia, 1990. 53 p. Bibliogr.  
 MICROLOG 90-05301 1 fiche

This report contains observations and recommendations resulting from a lengthy process of public hearings the Committee conducted throughout B.C., government and industry meetings, and research.

BC JU LA PR

**British Columbia archaeological impact assessment guidelines**

edited by Brian Apland and Ray Kenny.  
 Victoria : Ministry of Municipal Affairs, Recreation and Culture, Archaeology and Outdoor Recreation Branch, 1989. 46 p.  
 ISBN 0-7726-0940-3  
 MICROLOG 90-00021 1 fiche

These guidelines apply to development projects which, by virtue of their scale, location, extent of impact, administrative/jurisdictional complexity, or other factors are subject to B.C.'s environmental impact assessment and review process.

BC CU EV PR SC

**British Columbia Assessment Authority : 1988 annual report : with 1989 assessment data**

Victoria : The Authority, 1990. 53 p. : ill.  
 CSI 38103.001. ISSN 0383-5049  
 MICROLOG 90-05391 1 fiche

Annual report covers highlights, corporate profile, operational structure, corporate goals, directors' and commissioner's reports, and includes a feature article entitled '1988 Communications Strategy.' Assessment statistics follow including an analysis by land class, for each district of British Columbia.

BC CO PA PR ST

**British Columbia Buildings Corporation : Annual report 1988-89**

Victoria : The Corporation, 1989. 16 p. : ill.  
 CSI 38105.001. ISSN 0702-0511  
 MICROLOG 90-00659 1 fiche

This annual report presents five year highlights, financial statements, and a construction review.

BC CO PL PR PW

**British Columbia Buildings Corporation : Annual report 1989-90**

Victoria : The Corporation, 1990. 24 p. : ill.  
 CSI 38105.001. ISSN 0702-5011  
 MICROLOG 90-06164 1 fiche

The Corporation brings strict accountability to the provision and allocation of government accommodation by using a market based pricing system to establish rents which are charged to ministries for the space they occupy. The report presents a balance sheet; statements of income, retained earnings, changes in financial position, and notes to the financial statements.

BC CO PL PR PW



**British Columbia coal quality catalog**

Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1989. 39 p. : ill. (Information circular ; 1989-22) ISSN 0828-6094 MICROLOG 90-01260 1 fiche

First edition of this catalog, outlining the range of coal qualities available in B.C. on a seam-by-seam basis from currently producing coal mines and coal properties which are considered to have potential for economic development in the future. The methodology of coal analysis is also included. BC NR PR SC

**British Columbia Council of Human Rights : Annual report 1987-88**

Victoria : The Council, 1988. 48 p. : ill. CSI 38135.001. ISSN 0830-0437 MICROLOG 90-03156 1 fiche

This annual report includes information on the administration of human rights in B.C., the complaint procedure under the Act, special programs, sexual harassment as a human rights concern, and public education initiatives. BC JU PR SA ST

**British Columbia Council of Human Rights : Annual report 1988-89**

Victoria : The Council, 1989. 51 p. : ill. Bibliogr. At head of title: *Human rights, a responsibility we all share.* CSI 38135.001. ISSN 0830-0437 MICROLOG 90-06048 1 fiche

The Council is responsible for administering the Human Rights Act. Its mandate includes receiving, investigating and adjudicating complaints alleging discrimination. This annual report reviews the Council's activities for the year. It includes a summary of the Council's activity and the text of the Human Rights Act. BC JU PR

**British Columbia economic and statistical review, 1989**

Victoria : Ministry of Finance and Corporate Relations, Communications Branch, 1989. ix, 234 p. : ill., maps. CSI 37106.003. MICROLOG 90-00313 3 fiche

This publication includes an economic review, financial review, and a statistical review of the province and its people, industrial structure and performance, the provincial government and intergovernmental relations, major provincial programs, and crown corporations and agencies. BC CO PR ST

**British Columbia Executive Council appointments, 1871-1986**

by J.A. Bennett and F. Verspoor. Victoria : Legislative Library, 1989. 114 p. Bibliogr. ISBN 0-7726-0961-6 MICROLOG 90-07343 2 fiche

This publication consolidates in one source a historical overview of executive council appointments to the British Columbia Cabinet for its first 115 years. The period covers the interim council formed when British Columbia joined Confederation in 1871, to the end of the William R. Bennett administration in 1986. Part One deals with appointments: names, dates, and portfolios. Part Two provides an alphabetical list of portfolios, together with the dates of their existence, which covers the entire period, from 1871-1986. BC PA PR

**British Columbia external trade report, 1988**

Victoria : Ministry of Finance and Corporate Relations, Central Statistics Bureau, 1989. vii, 182 p. : ill. CSI 37110.004. ISSN 0825-9259 MICROLOG 90-00878 2 fiche

This report presents summary and detailed statistical tables listing the province's exports by commodity and country of destination. It also includes graphs indicating the relative importance of major export commodities in 1988 and trends in exports to the most important trading partners. In addition it contains a tabular presentation of export totals for individual commodities and also the exports to particular countries for each commodity listed, together with statistics for total value of exports to the major export destinations and the value of exports of major commodity types for each of the countries. BC CO EX PR ST

**British Columbia Ferry Corporation : Annual report 1988-89**

Victoria : The Corporation, 1989. 35 p. : maps. CSI 38109.001. MICROLOG 90-00912 1 fiche

This annual report includes a statistical review, financial statements, and information on service areas, the friendship fleet, and traffic history. It includes corporate information. BC CO PR SC TR

**British Columbia Ferry Corporation : Annual report 1989-90**

Victoria : The Corporation, 1990. 32 p. : ill. CSI 38109.001. MICROLOG 90-06596 1 fiche

This annual report presents highlights of the year, a statistical review, reports from the chairman and general manager, along with maps of service areas for Vancouver Island, Sunshine Coast, the Southern Gulf Islands, the Northern Gulf Islands, and the Inside Passage. Data on the 38 ships of the Friendship Fleet, traffic history, and financial statements are also supplied. BC PR SC TR

**British Columbia Heritage Trust : Annual report 1988-89**

Victoria : The Trust, 1989. 32 p. : ill. CSI 38110.001. ISSN 0711-3749 MICROLOG 90-04459 1 fiche

The role of the Trust is to support, encourage and facilitate the conservation, maintenance and restoration of heritage property in the province. This annual report reviews the major activities and accomplishments of the Trust. BC CU PR

**British Columbia Heritage Trust : Annual report 1989-90**

Victoria : The Trust, 1990. 32 p. : ill. CSI 38110.001. ISSN 0711-3749 MICROLOG 90-07055 1 fiche

The mandate of the Trust is to support, encourage, and facilitate the conservation, maintenance, and restoration of heritage properties in the province. This annual report outlines the major activities and accomplishments of the Trust by program. Programs cover archaeology, building restoration, community heritage development, conferences and societies, publications, scholarships, and transportation artifacts, among others. Activities are listed giving location, funding, institution and a short description of the project. An awards index concludes the document. Financial statements are included. BC CU PR

**British Columbia Housing Management Commission : Annual report 1988**

Burnaby, B.C. : The Commission, 1988. 16 p. : ill. CSI 38111.001. MICROLOG 90-03155 1 fiche

This annual report reviews the Commission's major programs and activities. It includes 1988 highlights, and financial statements. BC PL PR SA

**British Columbia Lottery Corporation : Annual report 1989**

Victoria : The Corporation, 1990. 17 p. : ill. CSI 38173.001. MICROLOG 90-06168 1 fiche

Presents a balance sheet and a statement of income and expenses. Also supplied are notes to the financial statements, an auditor's report, a report on winners and prizes, and corporate information. BC CO CU PR

**British Columbia mineral exploration review, 1988**

Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1989. 45 p. : maps. (Information circular ; 1989-1) CSI 38132.002. ISSN 0828-6094 MICROLOG 90-05412 1 fiche

Annual report on mineral exploration in British Columbia, beginning with an overview of the year's activities. Projects are listed, giving details regarding production, employment and development schedule, both alphabetically and by district and map number. Exploration and development activities are then discussed by district and for the Geological Survey Branch. BC NR PR PS SC ST

**British Columbia mineral exploration review, 1990**

Victoria : Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1990. 64 p. : maps. (Information circular ; 1990-1) CSI 38132.002. ISSN 0828-6094 MICROLOG 90-03294 1 fiche

Annual review of mineral exploration in the province, giving an overview of exploration expenditures, mineral claim staking, value of mineral production, and drilling expenditures. Each of the 5 districts is treated in more detailed fashion, with mineral exploration given for individual areas, as well as development projects and operating mines in the area. BC NR PR PS SC ST

**British Columbia mineral statistics : annual summary tables : historical mineral production to 1987**

British Columbia, Mineral Statistics Section. Victoria : Ministry of Energy, Mines and Petroleum Resources, 1989. vi, 77 p. CSI 37104.006. ISSN 0838-5998 MICROLOG 90-02250 1 fiche

Report containing data on the B.C. mineral industry obtained from a direct census of the industry. Producers in each industry group are surveyed annually from a mailing list. Major mines producing metal, coal, industrial minerals and structural materials are surveyed monthly as well as annually. A methodology is included. Highlights of the mining industry are given, along with notes on products. Summary tables include mineral production and value; prices; metal production and value; coal production, sales and value; coal markets; employment data; operating data; and metal markets. Data is given for both the current year and the past 10 years. BC NR PR PS SC ST

**British Columbia natural gas removal policy : a policy paper**

British Columbia, Energy Resources Division. Victoria : The Division, 1990. iii, 51 p. : maps. MICROLOG 90-05887 1 fiche

In April 1989, a review of the information requirements, administrative procedures, criteria for assessment and underlying policy of the long-term energy removal process was initiated. The Ministry examined the various policy options and procedures to ensure security of



supply for the domestic and export markets, to ensure fair market pricing in the domestic and export markets, to ensure timely processing of removal certificate applications, and to maintain effective audit and Crown revenue protection. This document puts forward a number of policy initiatives and procedures for the removal of B.C. natural gas, including the legal framework, natural gas removal certificate guidelines, the minimum price for royalty purposes, short-term energy removals, and the need for cost recovery.  
BC EN PR SC

**British Columbia natural products marketing policy discussion document : draft policy in support of the Natural Products Marketing (BC) Act**

Victoria : Ministry of Agriculture and Fisheries, 1989. i, 22 p.  
MICROLOG 90-01255 1 fiche

This document marks the beginning of the consultative process between government and industry in developing a revised B.C. natural products marketing policy, whose objective is to enhance the effectiveness of marketing systems within the province, to stimulate growth and to strengthen the agri-food sector. The document covers the implementation process; the needs of the changing market, including marketing systems, designation of marketing agencies, market coordination and communication, monitoring changing market need, strategic marketing plans, and market promotion; and public concerns such as quota policy and values, allocation and transfer of quota, entry of new producers, size of individual quota holdings, quota permits, secondary quota and special products, national marketing plans, and pricing systems.  
AG BC CO PR SC

**British Columbia Pension (College) Act : Annual report 1988-89**

Victoria : British Columbia Superannuation Commission, 1990. 18 p. *CSI 38152.009*.  
ISSN 0228-7382  
MICROLOG 90-05119 1 fiche

Survey of financial activities undertaken for the year with data on contributions, retirement benefits, investments and other financial data.  
BC ED PA PR

**British Columbia Pension (Municipal) Act : Annual report 1988**

Victoria : British Columbia Superannuation Commission, 1990. 27 p. *CSI 38152.004*.  
ISSN 0821-8870  
MICROLOG 90-05118 1 fiche

The report contains financial statements for the Superannuation Fund with general data on contributions and benefits, long-term investments by the province, contributions, contributors and pensioners by municipal employer, allowances granted by years of service, and lists of approved and reciprocal employers and approved long-term disability salary continuance plans.  
BC MU PA PR

**British Columbia Pension (Public Service) Act : Annual report 1987-88**

Victoria : British Columbia Superannuation Commission, 1989. 25 p. *CSI 38152.001*.  
ISSN 0228-7390  
MICROLOG 90-00658 1 fiche

Reviews the business done in pursuance of the Pension Act. It includes a statement of financial position.  
BC CO PA PR

**British Columbia Pension (Public Service) Act : Annual report 1988-89**

Victoria : British Columbia Superannuation Commission, 1990. 26 p. *CSI 38152.001*

ISSN 0228-7390  
MICROLOG 90-05120 1 fiche

This document contains a report of the business done in pursuance of the Pension (Public Service) Act for the fiscal year ended March 31, 1989. It provides information on members and employer's contributions, retirement benefits, termination, portability and other benefits, legislation, significant accounting policies and investments. Financial statements run throughout the document.  
BC PA PR

**British Columbia Pension (Teachers) Act : Annual report 1988**

Victoria : British Columbia Superannuation Commission, 1990. 22 p. *CSI 38152.006*.  
ISSN 0821-8862  
MICROLOG 90-05415 1 fiche

The annual report reviews financial activity undertaken in pension investments with summary data on contributions, payments and claims made. Includes financial statements.  
BC ED PA PR ST

**British Columbia Petroleum Corporation : Annual report 1988-89**

Vancouver, B.C. : The Corporation, 1989. 12 p. : ill. *CSI 38114.001*.  
MICROLOG 90-00661 1 fiche

This annual report provides information on natural gas prices, and includes a financial review.  
BC CO EN NR PR SC ST

**British Columbia Petroleum Corporation : Annual report 1989-90**

Victoria : The Corporation, 1990. 20 p. : ill. *CSI 38114.001*.  
MICROLOG 90-07070 1 fiche

Annual report of the Corporation, which markets natural gas produced in the province by purchasing gas from producers and selling it to Westcoast Energy Inc. which then gathers, processes, transports, and sells it to various customers. Data is presented for the past 5 years on sales of both natural gas and natural gas liquids, domestic and export, and sulphur sales. A financial statement is included.  
BC EN PR SC ST

**British Columbia Police Commission : Annual report 1988-89**

Victoria : The Commission, 1989. 21 p. *CSI 38116.001*. ISSN 0710-6599  
MICROLOG 90-04443 1 fiche

The annual report from the Commission covers activities at the Police Academy, citizens' complaints, municipal police boards, special investigations, and research into policing issues such as use of deadly force and public attitudes.  
BC JU PR

**British Columbia ports policy : discussion paper**

British Columbia. Ministry of Transportation and Highways. Victoria : The Ministry, 1989. 26 p.  
MICROLOG 90-00017 1 fiche

The paper describes the policy elements which may be considered significant in the development of an efficient and responsive ports system for British Columbia and Western Canada. The purpose of the paper is to stimulate discussion and to solicit the views of the industry, including shippers, port operators, local municipalities and any other groups or individuals who are affected by or have an interest in port development and operation.  
BC PR TR

**British Columbia provincial AIDS strategy : draft discussion paper**

Victoria : Ministry of Health, 1990. 11 p.  
MICROLOG 90-04751 1 fiche

Discusses objectives for education and prevention, current programs and activities in education and prevention, current programs and activities in treatment, and objectives for research. It also includes a glossary of terms, and specifies the mandates of British Columbia Ministries respecting AIDS/HIV.  
BC CI HE PR

**British Columbia public libraries statistics, 1988**

Victoria : Ministry of Municipal Affairs, Recreation and Culture, Library Services Branch, 1989. 31 p. *CSI 37116.002*. ISSN 0084-8034  
MICROLOG 90-00572 1 fiche

This document provides statistics for collections, staff and facilities, income, expenditure, collections in federated libraries, municipal libraries, public library associations, and reading centres. It also contains statistics for bookmobiles, new library buildings and renovations, and interlibrary loans.  
BC CU PR ST

**British Columbia Public Service Benefit Plan Act : Annual report 1988-89**

Victoria : British Columbia Superannuation Commission, 1990. 38 p. *CSI 38152.005*.  
ISSN 0229-0952  
MICROLOG 90-05413 1 fiche

The annual report contains summary data on financial activity undertaken in benefits for the public service employees. Includes data on group life insurance, long term disability, extended health care and dental plans and pre-retirement leave, retirement allowance and death gratuity benefits. Includes data on premium contributions, payments and claims.  
BC LA PA PR ST

**British Columbia Railway : Annual report 1989**

Victoria : The Corporation, 1990. 35 p. : ill. *CSI 38181.001*. ISSN 0702-9438  
MICROLOG 90-05621 1 fiche

The British Columbia Railway group comprises BC Railway Company and BC Rail Ltd. This annual report includes financial highlights; the year in review; and financial statements.  
BC PR SC ST TR

**British Columbia salmonid disease handbook**

by B. Hicks. Victoria : Ministry of Agriculture and Fisheries, 1989. iv, 40 p. : ill. ISBN 0-7726-1010-X  
MICROLOG 90-02646 1 fiche

Handbook to aid farm staff with disease identification and to increase awareness of the variety of diseases present in fish. Nineteen diseases are described, with the gross pathology, diagnosis, epidemiology, prevention and treatment given for each. Detailed illustrations are also included.  
BC FI PR SC

**British Columbia seabird colony inventory, report no. 4 : Scott Islands : census results from 1982 to 1989 with reference to the Nestucca oil spill**

by M.S. Rodway, M.J.F. Lemon and K.R. Summers. Delta, B.C. : Canadian Wildlife Service, Pacific and Yukon Region, 1990. ix, 109 p. : maps, fold. maps. Bibliogr. (Technical report series ; no. 86) ISSN 0831-6481 ISBN 0-662-17406-2  
MICROLOG 90-06320 2 fiche



The Scott Islands house the largest concentrations of breeding seabirds in the eastern North Pacific south of Alaska, making them very vulnerable to local marine contamination. Oil from the barge Nestucca, damaged off the Washington coast in late December 1988, spread along the length of the west coast of Vancouver Island in January and February 1989. The condition of the Scott Islands was a major concern, and the islands were monitored for the presence of oil at that time. This report covers population studies conducted on the Scott Islands during the summer of 1989 to assess the impact on local breeding populations. Studies focused on common murrelets and Cassin's Auklets, but information was gathered on other breeding species. Data from all recent surveys by the Canadian Wildlife Service were included to provide comprehensive coverage for all species. Results were compared with those from studies conducted in previous years.

● BC CA EV SC

#### British Columbia seabird colony inventory, report no. 5 : west coast, Vancouver Island

by M.S. Rodway and M.J.F. Lemon. Ottawa : Canadian Wildlife Service, Pacific and Yukon Region, 1990. vi, 87 p. : maps. Bibliogr. (Technical report series ; no. 94) ISSN 0831-6481 ISBN 0-662-17568-9 MICROLOG 90-06701 2 fiche

As part of the seabird colony inventory program, all colonies between Gilliam Islands and McQuarrie Islets, and Cleland Island, were surveyed from July 6-17, 1988. Seabird Rocks was surveyed on July 26 and 30, 1988. Colonies south of McQuarrie Islets which were known to support only surface-nesting species were not surveyed. Solander Island was resurveyed on May 28-30, 1989 to assess possible impacts to local seabird breeding populations following the Nestucca oil spill, which impacted the west coast of Vancouver Island in January and February 1989. Results were compared to those obtained in 1988.

● BC CA EV SC

#### British Columbia Systems Corporation : Annual report 1989-90

Victoria : The Corporation, 1990. 28 p. : ill. CSI 38119.001. ISSN 0710-846X MICROLOG 90-06603 1 fiche

The Corporation's mandate is to advance the effective and efficient use of information systems in the B.C. public sector. This publication provides information on operations including reports on service to clients, products and services, performance highlights, and internal activities. Also presented is information on finances consisting of a balance sheet, a statement of income and retained earnings, a statement of change in financial position, notes to the financial statements, and a five year statistical summary.

BC PR SC TE

#### British Columbia trade, 1989

Victoria : Ministry of International Business and Immigration, 1990. 42 p. : ill. CSI 38186.001. MICROLOG 90-07346 1 fiche

Data is presented from 1989 on exports from B.C., including the percentage of the gross domestic expenditure taken up by exports, destination by major market groups, rank in sales, value, growth from 1980, value-added products, and a ranking by destination compared to the past year and compared to total Canadian exports.

BC CO PR ST

#### British Columbia Utilities Commission : Annual report 1988

Vancouver, B.C. : The Commission, 1989. vii, 81 p. : ill. CSI 38120.001. ISSN 0712-9424 MICROLOG 90-00672 2 fiche

Reports on the activities of the petroleum, electricity, and telecommunications industries.

BC CO EN PR PW SC ST TE

#### British Columbia Utilities Commission : Annual report 1989

Vancouver, B.C. : The Commission, 1990. iii, 28 p. : ill. CSI 38120.001. ISSN 0712-9424 MICROLOG 90-07069 1 fiche

Reviews and evaluates energy related projects concerning gas and electricity. The report is a result of public hearings and staff assessments of applications, submissions and complaints made to the Commission. Information dealing with orders or certificates issued, sales of gas and electricity as well as maps showing the location of facilities and utilities, conclude this document.

BC PR PW SC ST TE

#### Broadcast technologies research

Ottawa : Communications Canada, 1990. 6, 6 p. : ill. *Bilingual (La Recherche en technologies de...)*. At head of title: *The Department of Communications Research Program*. ISBN 0-662-57347-1 MICROLOG 90-05554 1 fiche

Broadcast technologies research performs long-term research that underlies Canada's advanced broadcasting developments and assists in developing broadcast policy and managing the spectrum. This report covers work on advanced television, advanced sound, new broadcast media, and technology transfer and collaboration.

CA SC TE

#### Browning of evergreens

Regina : Saskatchewan Agriculture and Food ; Saskatchewan Rural Development, 1990. 2 p. (Farm facts) ISSN 0840-9447 MICROLOG 90-03566 1 fiche

Short description of the causes of browning of evergreens, including natural autumn needleshed, winter browning or dessication, drought, salt, herbicides, spider mites, mechanical, transplant shock, dogs, and diseases. Methods of control for each are given.

AG MS PR SC

#### Bruce NGS 'B' stress measurements co-operative pilot project : final report

by D.A. McKay and J.B. Williams. Toronto : Ontario Hydro, Research Division, 1990. iii, 38 p. : ill. (Report ; no. 89-156-K) MICROLOG 90-06093 1 fiche

Study to determine whether there are high stresses existing in the rock units beneath the site of the Bruce Nuclear Generating Station Unit B, since it was proposed to build an underground storage cavern in these rock units. The stress test results were to be used in the design of this cavern. The project was carried out in June 1988. The field program consisted of drilling 2 96 mm diameter boreholes to approximately 91 m (300 ft.) to obtain information on the rock formations adjacent to the proposed storage cavern site.

EN ON PR PS SC

#### Le Bruit au travail et la mesure du bruit : guide de base

par Andrea M. Sass-Kortsak ; avec l'aide de Bhawani Pathak et Susan Cooper. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. ii, 20 p. : ill. Bibliogr. ISBN 0-660-92651-2 MICROLOG 90-04267 1 fiche

Le bruit est l'un des dangers les plus courants pour la santé en milieu de travail. C'est un facteur présent partout, dans l'industrie lourde et dans l'industrie de la fabrication, de même que dans les exploitations agricoles, les cafétérias, les cuisines, les petits ateliers, les

bureaux et les écoles. Cette publication, sous forme de questions et réponses, explique ce qu'est le bruit en milieu de travail et décrit les méthodes de base pour le mesurer. Elle aide à effectuer des mesures simples du bruit et à comprendre les résultats des relevés acoustiques.

● CA EV LA SC

#### Buck for Wildlife : Annual report 1988-89

Edmonton : Alberta Forestry, Lands and Wildlife, Fish and Wildlife, 1990. 8 p. : ill. CSI 35151.001 MICROLOG 90-06716 1 fiche

This program was introduced in 1973 to conserve and enhance habitat through habitat improvement projects proposed by individuals, clubs, private organizations and government agencies. This publication describes the program, its funding, and representative projects such as streambank fencing, fish barrier placements, lake stabilization, reservoir rehabilitation, prescribed burns, instream enhancement, lake aeration, wetland enhancement, and the landowner habitat program. A summary of expenditures is included.

AL EV PR SC

#### Bucket wheel applicability study : Plains Coal Mines

Toronto : North American Mining Consultants Ltd. ; Geocon Ltd., 1981. 141 p. : ill., fold. maps. Bibliogr. CANMET contract: OSQ80-00065. MICROLOG 90-00174 2 fiche

Study to identify the characteristics of overburden in Alberta and Saskatchewan plains coal fields which would limit the application of bucket wheel excavators. The report begins with a listing of the major equipment in use in larger operating plains coal mines, including basic bucket wheel operating methods and a summary of the geological conditions in mines in which bucket wheel excavators are operated in North America, Europe, Asia and Australia. The report also covers the types of bucket wheel excavators and the necessary support equipment employed in each mine. Mines visited in the plains area included the Whitewood Mine, the Highvale Mine, the Diplomat Mine, and the Roselyn Mine in Alberta, and the Poplar River Mine, and the Souris Valley Mine in Saskatchewan.

● AL CA CM MS NR PS SC

#### Budget 1988-89 : crédits supplémentaires no 2 pour l'année financière se terminant le 31 mars 1989

Québec (Province). Conseil du trésor. Québec : le Conseil, 1989. 37 p. CSI 66100.010. ISSN 0709-3721 ISBN 2-550-19302-4 MICROLOG 90-04902 1 fiche

Crédits supplémentaires pour les ministères de l'Agriculture, Pêcheries et Alimentation; des Approvisionnements et Services; des Communautés culturelles et Immigration; de l'Éducation; de l'Énergie et Ressources; de l'Environnement; de la Man-d'œuvre et Sécurité du revenu; de la Régie de l'assurance-maladie du Québec; de la Santé et Services sociaux; et du Transports.

CO PA PR QU

#### Budget 1988-89 : crédits supplémentaires no 3 pour l'année financière se terminant le 31 mars 1989

Québec (Province). Conseil du trésor. Québec : le Conseil, 1989. 16 p. L'éd. anglaise (1988-89 budget..no. 3...) sur la même fiche. CSI 66100.012. ISSN 0709-3721 ISBN 2-550-19550-7 MICROLOG 90-04026 1 fiche



Contient le sommaire général des dépenses, par ministère et organismes tels l'Éducation, l'Enseignement supérieur et la Science, la Main d'œuvre et la Sécurité du revenu, et la Régie de l'assurance-maladie du Québec.  
CO PA PR QU

#### Budget 1989-90 : crédits supplémentaires no 1

Québec : Gouvernement du Québec, Conseil du trésor, 1989. 52 p. *CSI 66100.005F*.  
ISSN 0709-3721 ISBN 2-550-19828-X  
MICROLOG 90-02924 1 fiche

Ce document présente le Budget du Conseil du trésor pour l'année 1989/90. On y fournit les crédits supplémentaires qui ont été déposés à l'Assemblée nationale par monsieur Gérard D. Lévesque, ministre des Finances.  
CO PA PR QU

#### Budget 1989-90 : crédits supplémentaires no 2 pour l'année financière se terminant le 31 mars 1990

Québec (Province). Conseil du trésor. Québec : le Conseil, 1989. 49 p. *L'éd. anglaise (1988-90 budget...no. 2...)* : 90-03289/1. *CSI 66100.010*. ISSN 0709-3721  
ISBN 2-550-20321-6  
MICROLOG 90-03288 1 fiche

Le document présente le budget 1989-90 du ministère des Finances et porte particulièrement sur les crédits supplémentaires no 2 pour l'année financière se terminant le 31 mars 1990.  
CO PA PR QU

#### Budget 1989-90 : renseignements supplémentaires : crédits

Québec (Province). Conseil du trésor. Québec : le Conseil, 1989. 97 p. : ill. *CSI 66100.008*. ISSN 0706-0327 ISBN 2-550-19554-X  
MICROLOG 90-03876 1 fiche

Ce document fournit des éléments supplémentaires d'information sur le budget des dépenses. A ce titre, les montants qui s'y retrouvent excluent les crédits de la catégorie 'Prêts, Placements et avances', laquelle fait partie des opérations non budgétaires. La première partie présente la prévision des dépenses 1989-90 et la compare à la dépense probable 1988-89. L'évolution historique des dépenses y est analysée en relation avec le taux d'inflation (IPC) et la croissance du produit intérieur brut (PIB). La troisième partie donne la répartition des crédits 1989-90 par mission et catégorie de dépenses ainsi qu'un aperçu des priorités gouvernementales pour la prochaine année. La dernière section de cette partie porte sur les effets gouvernementaux. La quatrième partie présente un tableau sommaire des enveloppes ministérielles et les faits saillants des crédits 1989-90 par ministère et par programme.  
CO PA PR QU

#### Budget 1990

delivered by Mel Couvelier. Victoria : Ministry of Finance and Corporate Relations, 1990. 97 p. : ill. *Backgrounders (23 p.) laid in. CSI 37106.002*. ISSN 0382-1986  
MICROLOG 90-04460 2 fiche

Document contains full text of budget speech given by the Honourable Mel Couvelier on April 19, 1990. Reviews the economic performance of the previous year and gives an outlook for 1990-91. It covers such topics as the fiscal plan, expenditure programs, revenue measures, financing, education finance reform, the provincial housing action plan, the Science and Technology Fund, and sustainable development.  
BC CO PA PR

#### Budget 1990-91 : crédits pour l'année financière se terminant le 31 mars 1991

Québec (Province). Conseil du trésor. Québec : le Conseil, 1990. xxxi, 226 p. *CSI 66100.004*. ISSN 0706-0319 ISBN 2-550-20510-3  
MICROLOG 90-05112 3 fiche

Ce document présente à l'Assemblée nationale les crédits demandés par le gouvernement pour l'année financière se terminant le 31 mars 1991. Fournit le sommaire général des dépenses, les crédits par super-catégorie et catégorie, les crédits de transfert, la budgétisation par mission et secteur, ainsi que la budgétisation par secteur et programme. Inclut aussi la liste des crédits par ministère et par organisme.  
CO PA PR QU

#### Budget 1990-91 : discours sur le budget et renseignements supplémentaires

Québec (Province). Ministère des finances. Québec : le Ministère, 1990. 226 p. : ill. *L'éd. anglaise (1990-91 budget : budget speech...)* : 90-05111/3. *CSI 66120.003*. ISBN 2-551-14075-7  
MICROLOG 90-05096 3 fiche

Le texte du discours du budget inclut des informations sur l'état de l'économie et des finances publiques, sur la main-d'œuvre, sur le défi de l'environnement, sur les réformes fiscales à l'égard des particuliers et les mesures d'aide aux familles, ainsi que sur les équilibres financiers. Fournit aussi des données statistiques sur la situation économique et financière du Québec.  
CO PA PR QU

#### Budget 1990-91 : renseignements supplémentaires : crédits

Québec (Province). Conseil du trésor. Québec : le Conseil, 1989. 94 p. : ill. *CSI 66100.008*. ISSN 0706-0327 ISBN 2-550-20512-X  
MICROLOG 90-05095 1 fiche

Ce document contient d'abord la présentation faite par le ministre délégué à l'Administration et Président du Conseil du trésor de la politique de dépenses budgétaires du Gouvernement. Puis, il porte sur les résultats de l'exercice 1989-90 et le budget des dépenses 1990-91. La troisième partie contient une analyse de l'évolution des dépenses budgétaires en fonction de l'inflation et du produit intérieur brut. Ensuite il présente la répartition des crédits par mission gouvernementale ainsi que l'effectif, et il renferme des notes explicatives sur les crédits par ministère et programme. Finalement, le document présente les dépenses, revenus et effectifs prévus pour les fonds spéciaux administrés par certains ministères.  
CO PA PR QU

#### Budget address 1990

Alberta. Alberta Treasury. Edmonton : Alberta Treasury, 1990. 72 p. : ill. *Budget highlights (12 p.) laid in. CSI 34118.004*.  
MICROLOG 90-05622 1 fiche

This budget address, including highlights, discusses Alberta's economy, fiscal situation and outlook. It then goes on to look at affordability (deficit reduction), fiscal federalism, taxation, 1990-91 revenue outlook and the financial plan. Appendices give budget figures for the general revenue fund, the Alberta Heritage Savings Trust Fund, other major funds, provincial Crown corporations, and the capital tax on financial institutions.  
AL CO PA PR ST

#### Budget address, 1990-91

Nova Scotia. Dept. of Finance. Halifax : The Dept., 1990. 39 p. : ill. *Highlights (6 p.) laid*

in. *CSI 51105.002*.  
MICROLOG 90-04910 1 fiche

The 1990-91 Budget address reviews the province's past economic performance and provides a balanced approach to program delivery and deficit reduction in areas such as health care, educational opportunities and social assistance. Highlights of the budget are included along with financial and supplementary information.  
AP CO PA PR

#### Budget address, March 1990

Saskatchewan. Saskatchewan Finance. Regina : The Ministry, 1990. 58 p. : ill. *Highlights (9 p.) laid in. CSI 71119.004*.  
MICROLOG 90-04156 1 fiche

This document includes the Budget Address from the Minister of Finance, and the 1990-91 budget papers.  
CO MS PA PR

#### Budget Committee for the fishing industry activity studies 1979-81 : fishing vessels in the size range 25-40 ft. 8-13 m.

by J.E. Hellestrand. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5309) *Originally published in Norwegian, by the Directorate of Fisheries at Bergen, in Norway.* ISSN 0704-3716  
MICROLOG 90-02093 1 fiche

Report on the activity of fishing vessels from 25.0-39.9 feet in overall length (8.0-12.9 m) for 1979 and 1981, based on data from local fisheries authorities and assembled for cost and earnings studies. Data is summarized nationally and by county and includes composition of vessels, type of fishing gear, fish species caught, and age of vessels. Only the foreword, table of contents, and introduction were translated.  
● CA CF FI SC

#### Budget Committee for the fishing industry cost and earnings studies for fishing vessels between 8.0 and 12.9 m.o.l. operated year-round in 1984

by T. Nepstad. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5310) *Originally published in Norwegian, by the Directorate of Fisheries at Bergen, in Norway.* ISSN 0704-3716  
MICROLOG 90-02092 1 fiche

Report on the results of the cost and earnings studies for 1984 for fishing vessels of 8.0-12.9 metres in overall length. Only the foreword, table of contents and introduction were translated.  
● CA CF FI SC

#### Budget Committee for the fishing industry cost and earnings studies, 1980 : vessels operated all year in the size range 8.0 - 12.9 m.o.l.

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 5 p. (Canadian translation of fisheries and aquatic sciences ; no. 5308) *Originally published in Norwegian.* ISSN 0704-3716  
MICROLOG 90-02083 1 fiche

Results of cost and earnings study for 1980 for vessels from 8.0-12.9 m in overall length that are used for fishing for the entire year. This is a continuation of the studies for vessels from 25-39 feet registered length for 1977-79. Only the foreword, table of contents and introduction was translated.  
● CA CF FI SC



**Budget Committee for the fishing industry cost and earnings/studies, 1979 for vessels 25-39 feet registered length being operated year-round**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 3 p. (Canadian translation of fisheries and aquatic sciences ; no. 5311) Originally published in Norwegian, by the Directorate of Fisheries at Bergen, in Norway. ISSN 0704-3716  
MICROLOG 90-02091 1 fiche

Report on the results of the cost and earnings studies in 1979 for fishing vessels from 25-39 feet in overall length. Only the foreword, the table of contents and the introduction were translated.

• CA CF FI SC

**Le Budget de 1989 et la politique sociale : rapport**

Conseil national du bien-être social (Canada). Ottawa : le Conseil, 1989. 53 p. : ill. ISBN 0-662-95618-4  
MICROLOG 90-00360 1 fiche

Le rapport a pour objet principal d'expliquer les modifications des allocations familiales et des pensions de vieillesse. On y relève les lacunes de la disposition de récupération et on propose des mesures de rechange. Le rapport revoit aussi d'autres aspects importants du budget de 1989. Des renseignements supplémentaires sur les tendances dans les dépenses sociales, les recettes et les dépenses totales du gouvernement, le déficit, l'inflation et le chômage sont présentés à la fin du rapport.

CA PA SA

**Budget de 1990 du Nouveau-Brunswick**

discours de Allan E. Maher, ministre des Finances. Fredericton : le Ministère, 1990. 31, 32 p. : ill. *Faits saillants* (12, 11 p.) inclus. *Bilingue* (The 1990 New...). CSI 45105.002. ISSN 0833-5680 ISBN 1-55048-283-1  
MICROLOG 90-04022 2 fiche

Ce document présente les faits saillants et le contexte économique et financier du plan budgétaire de 1990-1991. Il fournit également des renseignements sur : la gestion des dépenses; les questions relatives aux recettes; le résumé budgétaire; et, la dette non provisionnée au titre des régimes de retraite.

AP CO PA PR

**Le Budget de l'Ontario de 1990**

Ontario. Ministère du trésor et de l'économie. Toronto : le Ministère, 1990. 78 p. : ill. L'éd. anglaise (1990 Ontario budget) : 90-06065/1. Points saillants (20 p.) inclus. CSI 55121.006F.  
MICROLOG 90-06390 2 fiche

Ce document présente le budget de l'Ontario de 1990 qui donne l'occasion de brosser un tableau de la situation économique de la province, d'annoncer les dépenses consacrées aux programmes et d'expliquer la façon dont on règle les factures. En somme, il propose un plan d'action qui répond aux réalités des années 1990 soit, une population vieillissante, des parents qui travaillent, une main-d'œuvre qui fait la navette entre son domicile et son lieu de travail, les besoins en eau propre et les exigences de la concurrence sur le marché global.

CO ON PR

**Budget des dépenses 1990-91, partie I : plan de dépenses du gouvernement**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 87, 81 p. *Bilingue* (1990-91

estimates...the government...). CSI 21104.012. ISBN 0-660-55675-8  
MICROLOG 90-03283 2 fiche

Le Budget des dépenses indique au Parlement le niveau et la nature des dépenses prévues par le gouvernement fédéral pour l'exercice à venir (1990-1991). Il a pour objet de renseigner les députés, à qui il incombe de comprendre et d'évaluer les prévisions de dépenses et de demander des comptes au gouvernement. Cette partie fournit au Parlement un aperçu des prévisions qu'elle situe dans le contexte du cadre des dépenses globales. Les éléments suivants sont inclus dans le document : un aperçu du plan des dépenses, le plan des dépenses par enveloppe, les dépenses par catégorie de paiement et les crédits non compris dans le plan de dépenses.

CA CO PA

**Budget des dépenses 1990-91, partie III : Administration du pipe-line du Nord Canada**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 17, 17 p. *Bilingue* (1990-91 estimates...Northern...). CSI 21104.039. ISBN 0-660-55596-4  
MICROLOG 90-03664 1 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.

CA CO PA

**Budget des dépenses 1990-91, partie III : Affaires extérieures et Commerce extérieur Canada**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 126, 114 p. : ill. *Bilingue* (1990-91 estimates...External...). CSI 21104.054. ISBN 0-660-55652-9  
MICROLOG 90-03686 3 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.

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**Budget des dépenses 1990-91, partie III : Affaires indiennes et du Nord Canada**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 219, 202 p. : ill. *Bilingue* (1990-91 estimates...Indian...). CSI 21104.016. ISBN 0-660-55585-9  
MICROLOG 90-03674 5 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.

CA CO PA

**Budget des dépenses 1990-91, partie III : Agence canadienne de développement international**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 74, 71 p. : ill. *Bilingue* (1990-91 estimates...Canadian...). CSI 21104.019. ISBN 0-660-55614-6  
MICROLOG 90-03647 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au

résumé d'Agriculture Canada.  
CA CO PA

**Budget des dépenses 1990-91, partie III : Agence de promotion économique du Canada atlantique**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 56, 52 p. *Bilingue* (1990-91 estimates...Atlantic Canada...). CSI 21104.091. ISBN 0-660-55639-1  
MICROLOG 90-03724 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.

CA CO PA

**Budget des dépenses 1990-91, partie III : Agence spatiale canadienne**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 19, 19 p. *Bilingue* (1990-91 estimates...Canadian...). CSI 21104.037. ISBN 0-660-55650-2  
MICROLOG 90-03662 1 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.

CA CO PA

**Budget des dépenses 1990-91, partie III : Agriculture Canada**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 210, 190 p. : ill. *Bilingue* (1990-91 estimates...Agriculture...). CSI 21104.055. ISBN 0-660-55568-9  
MICROLOG 90-03716 5 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère et programme et fournissent de plus amples renseignements sur les coûts. On présente les autorisations pour 1990-91 et l'emploi des autorisations en 1988-89. Pour chaque programme, on présente les points saillants des plans pour 1990-91 et un sommaire des besoins financiers, les points saillants du rendement récent, et un examen des résultats financiers. On décrit le mandat, l'objectif et l'organisation des programmes et services, et on donne une perspective de planification qui explique les facteurs externes qui influent sur chaque programme, les initiatives et l'efficacité. On analyse chaque activité et programme en présentant les dépenses relatives détaillées. Les renseignements supplémentaires présentés donne un aperçu des besoins financiers par article et détails des besoins en personnel, par groupe professionnel.

CA CO PA

**Budget des dépenses 1990-91, partie III : Anciens combattants Canada**

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 127, 119 p. : ill. *Bilingue* (1990-91 estimates...Veterans...). CSI 21104.020. ISBN 0-660-55612-X  
MICROLOG 90-03673 3 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.

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**Budget des dépenses 1990-91, partie III : Approvisionnements et services Canada**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 84, 77 p. *Bilingue (1990-91  
estimates...Supply...)*. CSI 21104.024. ISBN  
0-660-55610-3  
MICROLOG 90-03648 2 fiche

Les titres de la troisième partie du budget  
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**Budget des dépenses 1990-91, partie III : Archives nationales Canada**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 51, 44 p. *Bilingue (1990-91  
estimates...National...)*. CSI 21104.048. ISBN  
0-660-55573-5  
MICROLOG 90-03681 2 fiche

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**Budget des dépenses 1990-91, partie III : Bibliothèque nationale du Canada**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 28, 26 p. *Bilingue (1990-91  
estimates...National...)*. CSI 21104.058. ISBN  
0-660-55572-7  
MICROLOG 90-03689 1 fiche

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**Budget des dépenses 1990-91, partie III : Bureau canadien d'enquête sur les accidents de transport et de sécurité des transports**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 31, 29 p. *Bilingue (1990-91  
estimates...Canadian...)*. CSI 21104.099. ISBN  
0-660-55654-5  
MICROLOG 90-04291 1 fiche

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**Budget des dépenses 1990-91, partie III : Bureau de la diversification de l'Ouest**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 32, 30 p. *Bilingue (1990-91  
estimates...Western...)*. CSI 21104.092. ISBN  
0-660-55640-5  
MICROLOG 90-03725 1 fiche

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**Budget des dépenses 1990-91, partie III : Bureau de privatisation et affaires réglementaires**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 15, 15 p. *Bilingue (1990-91  
estimates...Office...)*. CSI 21104.090. ISBN  
0-660-55637-5  
MICROLOG 90-03718 1 fiche

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**Budget des dépenses 1990-91, partie III : Bureau du Commissaire à la magistrature fédérale**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 26, 25 p. *Bilingue (1990-91  
estimates...Office...)*. CSI 21104.075. ISBN  
0-660-55588-3  
MICROLOG 90-03704 1 fiche

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**Budget des dépenses 1990-91, partie III : Bureau du Conseil privé**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 35, 34 p. *Bilingue (1990-91  
estimates...Privy...)*. CSI 21104.066. ISBN  
0-660-55619-7  
MICROLOG 90-03696 1 fiche

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**Budget des dépenses 1990-91, partie III : Bureau du Directeur général des élections**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 39, 38 p. *Bilingue (1990-91  
estimates...Office...)*. CSI 21104.041. ISBN  
0-660-55598-0  
MICROLOG 90-03666 1 fiche

Les titres de la troisième partie du budget  
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**Budget des dépenses 1990-91, partie III : Bureau du Surintendant des institutions financières**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 24, 23 p. *Bilingue (1990-91  
estimates...Office...)*. CSI 21104.059. ISBN  
0-660-55583-2  
MICROLOG 90-03690 1 fiche

Les titres de la troisième partie du budget  
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**Budget des dépenses 1990-91, partie III : Bureau du Vérificateur général du Canada**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 47, 43 p. : ill. *Bilingue (1990-91  
estimates...Office...)*. CSI 21104.065. ISBN  
0-660-55616-2  
MICROLOG 90-03695 1 fiche

Les titres de la troisième partie du budget  
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**Budget des dépenses 1990-91, partie III : Centre canadien d'hygiène et de sécurité au travail**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 45, 44 p. : ill. *Bilingue (1990-91  
estimates...Canadian...)*. CSI 21104.082. ISBN  
0-660-55632-4  
MICROLOG 90-03711 1 fiche

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**Budget des dépenses 1990-91, partie III : Centre canadien de gestion**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 32, 31 p. *Bilingue (1990-91  
estimates...Canadian...)*. CSI 21104.035. ISBN  
0-660-55647-2  
MICROLOG 90-03660 1 fiche

Les titres de la troisième partie du budget  
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**Budget des dépenses 1990-91, partie III : Comité de surveillance des activités de renseignement de sécurité**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 22, 22 p. *Bilingue (1990-91  
estimates...Security...)*. CSI 21104.088. ISBN  
0-660-55635-9  
MICROLOG 90-03721 1 fiche

Les titres de la troisième partie du budget  
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**Budget des dépenses 1990-91, partie III : Comité externe d'examen de la Gendarmerie royale du Canada**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 22, 19 p. *Bilingue (1990-91  
estimates...Royal Canadian...)*. CSI 21104.093. ISBN  
0-660-55641-3  
MICROLOG 90-03726 1 fiche

Les titres de la troisième partie du budget  
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CA CO PA



**Budget des dépenses 1990-91, partie III : Commissariat aux langues officielles**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 28, 27 p. *Bilingue (1990-91  
estimates...Office...)*. CSI 21104.040. ISBN  
0-660-55597-2  
MICROLOG 90-03665 1 fiche

Les titres de la troisième partie du budget  
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résumé d'Agriculture Canada.  
CA CO PA

**Budget des dépenses 1990-91, partie III : Commissariats à l'information et à la protection de la vie privée**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 37, 36 p. *Bilingue (1990-91  
estimates...Offices...)*. CSI 21104.087. ISBN  
0-660-55634-0  
MICROLOG 90-03720 1 fiche

Les titres de la troisième partie du budget  
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**Budget des dépenses 1990-91, partie III : Commission canadienne des droits de la personne**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 27, 27 p. *Bilingue (1990-91  
estimates...Canadian...)*. CSI 21104.085. ISBN  
0-660-55587-5  
MICROLOG 90-03714 1 fiche

Les titres de la troisième partie du budget  
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**Budget des dépenses 1990-91, partie III : Commission de contrôle de l'énergie atomique**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 28, 26 p. : ill. *Bilingue (1990-  
91 estimates...Atomic...)*. CSI 21104.061. ISBN  
0-660-55581-6  
MICROLOG 90-03691 1 fiche

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CA CO PA

**Budget des dépenses 1990-91, partie III : Commission de l'immigration et du statut de réfugié du Canada**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 25, 20 p. : ill. *Bilingue (1990-  
91 estimates...Immigration...)*. CSI 21104.052  
ISBN 0-660-55578-6  
MICROLOG 90-03684 1 fiche

Les titres de la troisième partie du budget  
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CA CO PA

**Budget des dépenses 1990-91, partie III : Commission de la Fonction publique du Canada**

Canada. Ministère des finances. Ottawa :  
Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 49, 48 p. *Bilingue (1990-91  
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Ministre des approvisionnements et services  
Canada, Centre d'édition du gouvernement du  
Canada, 1990. 54, 48 p. : ill. *Bilingue* (1990-  
91 estimates...National...). CSI 21104.073.  
ISBN 0-660-55628-6  
MICROLOG 90-03703 2 fiche

Les titres de la troisième partie du budget  
contiennent des détails pour chaque ministère,



ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Office national du film

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 54, 51 p. *Bilingue (1990-91 estimates...National...)*. CSI 21104.057. ISBN 0-660-55571-9  
MICROLOG 90-03688 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Pêches et océans Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 147, 128 p. : ill. *Bilingue (1990-91 estimates...Fishes...)*. CSI 21104.017. ISBN 0-660-55617-0  
MICROLOG 90-03645 3 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Protection civile Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 21, 20 p. *Bilingue (1990-91 estimates...Emergency...)*. CSI 21104.034. ISBN 0-660-55646-4  
MICROLOG 90-03659 1 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Revenu Canada, Douanes et accise

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 64, 58 p. : ill. *Bilingue (1990-91 estimates...Revenue...)*. CSI 21104.044. ISBN 0-660-55601-4  
MICROLOG 90-03669 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Revenu Canada, Impôt

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 91, 83 p. : ill. *Bilingue (1990-91 estimates...Revenue...)*. CSI 21104.045. ISBN 0-660-55602-2  
MICROLOG 90-03678 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Santé et bien-être social Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 234, 213 p. : ill. *Bilingue (1990-91 estimates...Health...)*. CSI 21104.015. ISBN 0-660-55594-8  
MICROLOG 90-03675 5 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Secrétariat canadien

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 18, 18 p. *Bilingue (1990-91 estimates...Canadian...)*. CSI 21104.038. ISBN 0-660-55651-0  
MICROLOG 90-03663 1 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Secrétariat d'Etat du Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 75, 72 p. : ill. *Bilingue (1990-91 estimates...Secretary...)*. CSI 21104.014. ISBN 0-660-55605-7  
MICROLOG 90-03644 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Secrétariat des conférences intergouvernementales canadiennes

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 20, 19 p. *Bilingue (1990-91 estimates...Canadian...)*. CSI 21104.067. ISBN 0-660-55620-0  
MICROLOG 90-03697 1 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Service correctionnel Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 65, 61 p. : ill. *Bilingue (1990-91 estimates...Correctional...)*. CSI 21104.026. ISBN 0-660-55608-1  
MICROLOG 90-03650 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Solliciteur général Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services

Canada, Centre d'édition du gouvernement du Canada, 1990. 58, 55 p. : ill. *Bilingue (1990-91 estimates...Solicitor...)*. CSI 21104.027. ISBN 0-660-55607-3  
MICROLOG 90-03651 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Statistique Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 81, 81 p. : ill. *Bilingue (1990-91 estimates...Statistics...)*. CSI 21104.084. ISBN 0-660-55627-8  
MICROLOG 90-03713 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Transports Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 232, 209 p. : ill., cartes géogr. *Bilingue (1990-91 estimates...Transport...)*. CSI 21104.021. ISBN 0-660-55611-1  
MICROLOG 90-03672 5 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Travail Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 67, 66 p. : ill. *Bilingue (1990-91 estimates...Labour...)*. CSI 21104.079. ISBN 0-660-55592-1  
MICROLOG 90-03708 2 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Travaux publics Canada

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 124, 120 p. *Bilingue (1990-91 estimates...Public Works...)*. CSI 21104.098. ISBN 0-660-55621-9  
MICROLOG 90-04290 3 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Tribunal canadien du commerce extérieur

Canada. Ministère des finances. Ottawa : Ministre des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 24, 24 p. *Bilingue (1990-91 estimates...Canadian...)*. CSI 21104.047. ISBN 0-660-55584-0  
MICROLOG 90-03680 1 fiche



Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Tribunal de l'aviation civile

Canada. Ministère des finances. Ottawa : Ministère des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 17, 17 p. *Bilingue (1990-91 estimates...Civil...)*. CSI 21104.089. ISBN 0-660-55636-7  
MICROLOG 90-03722 1 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses 1990-91, partie III : Tribunal de la concurrence du Canada

Canada. Ministère des finances. Ottawa : Ministère des approvisionnements et services Canada, Centre d'édition du gouvernement du Canada, 1990. 15, 15 p. *Bilingue (1990-91 estimates...Competition...)*. CSI 21104.050. ISBN 0-660-55576-X  
MICROLOG 90-03683 1 fiche

Les titres de la troisième partie du budget contiennent des détails pour chaque ministère, ses programmes et ses activités. Pour une description du format, veuillez vous reporter au résumé d'Agriculture Canada.  
CA CO PA

### Budget des dépenses de la province de l'Ontario pour l'année financière se terminant le 31 mars 1990 : volume 2

Ontario. Conseil de gestion du gouvernement de l'Ontario. Toronto : le Conseil, 1989. xi, 19 p. CSI 55100.001F. ISSN 0835-5576  
MICROLOG 90-01652 1 fiche

Ce document présente le budget des dépenses de la province de l'Ontario pour l'année financière se terminant le 31 mars 1990.  
CO ON PA PR

### Budget des dépenses en capital supplémentaire, 1990-91

Nouveau-Brunswick. Ministère des finances. Fredericton : le Ministère, 1990. 3, 3 p. *Bilingue (Supplementary capital estimates...)* CSI 45105.009.  
MICROLOG 90-04129 1 fiche

Cette brochure présente le budget supplémentaire du Nouveau-Brunswick, en compte de capital, par ministère, Commission et Société, pour l'année 1990-1991. Les données sont fournies par objectifs du programme, par total du laboratoire d'analyse et par total du compte de capital.  
AP CO PA PR

### Budget des dépenses en capital, 1990-91

Fredericton : la Province, 1989. 32, 32 p. *Bilingue (Capital estimates...)*. CSI 45105.007  
MICROLOG 90-00722 1 fiche

Document fournissant le détail des budgets des dépenses en capital pour l'année 1990-1991 des différents ministères au Nouveau-Brunswick.  
AP CO PA PR

### Budget des dépenses supplémentaire, 1989-90

Toronto : Conseil de gestion du gouvernement de l'Ontario, 1990. 8, 8 p. *Bilingue*

(Supplementary expenditure...). CSI 55100.002.  
MICROLOG 90-04377 1 fiche

Ce document présente un résumé des dépenses supplémentaires pour l'année 1989-90. Il porte particulièrement sur le sommaire général, le Bureau de l'Assemblée législative, le Bureau de l'Ombudsman et le Bureau du vérificateur provincial.  
CO ON PA PR

### Budget des dépenses supplémentaire (A), 1990-91, pour l'exercice financier se terminant le 31 mars 1991

Ottawa : Ministère des finances, 1990. 4, 4 p. *Bilingue (Supplementary estimates (A)...)...* CSI 21104.009. ISBN 0-660-55785-1  
MICROLOG 90-05814 1 fiche

Ce document fournit des informations sur le budget des dépenses supplémentaires du ministère de l'Agriculture pour le Programme agro-alimentaire, de l'Emploi et Immigration Canada pour les programmes d'emploi et d'assurance, et d'immigration, et pour le Programme des affaires indiennes et Inuit d'Affaires indiennes et Nord canadien. Il donne des détails sur les articles de dépense, sur les années-personnes, ainsi que sur les paiements de transfert.  
CA CO PA

### Budget des dépenses supplémentaire (B), 1989-90, pour l'exercice financier se terminant le 31 mars, 1990

Canada. Ministère des finances. Ottawa : le Ministère, 1990. ii, 90, ii, 89 p. *Bilingue (Supplementary estimates (B)...)...* CSI 21104.011. ISBN 0-661-55545-X  
MICROLOG 90-03159 2 fiche

Présente le rapport annuel du budget des dépenses supplémentaire (B), pour l'année 1989-90. Y donne des renseignements sur tous les ministères.  
CA CO

### Budget des dépenses supplémentaire (C), 1989-90, pour l'exercice financier se terminant le 31 mars, 1990

Canada. Ministère des finances. Ottawa : le Ministère, 1990. ii, 126, ii, 124 p. *Bilingue (Supplementary estimates (C)...)...* CSI 21104.005. ISBN 0-660-55689-8  
MICROLOG 90-03670 3 fiche

Ce budget porte principalement sur les domaines suivants. les Affaires extérieures, l'Agence de promotion économique du Canada atlantique; l'Agriculture; les Anciens combattants; les Approvisionnements et Services, les Communications; le Conseil privé, les Consommateurs et les Sociétés, la Défense nationale, l'Emploi et l'Immigration, l'Energie, les Mines et Ressources; l'Environnement, les Finances; les Forêts, le Gouverneur général; l'Industrie, les Sciences et la Technologie, la Justice; le Revenu national; le Secrétariat d'Etat; le Solliciteur général, les Transports; le Travail; et, les Travaux publics.  
CA CO PA

### Budget des dépenses supplémentaires de la province du Manitoba, 1989-90

Winnipeg : Manitoba. Finances Manitoba, 1989. 8 p. *Bilingue (Supplementary estimates... Manitoba...)*. CSI 41111.014  
MICROLOG 90-02918 1 fiche

Le document présente le budget des dépenses supplémentaires nécessaires à l'administration de la province pour l'exercice se terminant le 31 mars 1990. Il donne le numéro de poste, la rubrique, les détails des crédits votés, et le numéro de résolution.  
CO MS PA PR

### Budget estimates, 1989

Toronto (Ont.). Toronto : The City, 1990. 2 v. CSI 89200.002  
MICROLOG 90-07341 10 fiche

Detailed overview of operating budget affecting property tax rates, assessments, and expenditures and revenues by funded department, council or other jurisdiction dependent on the city for funding. Includes operating budgets not affecting the tax rate which include water, sewer and parking meter budgets. Contains details of inter-governmental and proprietary services, Parking Authority of Toronto, business improvement areas' levies and assessments, and 1989 capital budget and program of proposed capital works for 1990-93.  
CO MU ON PA

### Budget paper A : economic performance and prospects : 1989 Manitoba budget

Winnipeg The Province, 1989. 17 p. : ill.  
MICROLOG 90-03414 1 fiche

Discusses the net general purpose debt, Canadian exchange and interest rates, sources of growth, gross domestic product by industry, population and labour market, employment by industry, and capital investment. It also examines mineral production, agricultural production, farm income, manufacturing shipment, and retail sales. Includes Manitoba economic statistics.  
CO MS PR

### Budget principal, 1990-91

Nouveau-Brunswick. Ministère des finances. Fredericton : le Ministère, 1990. 274 p. *L'éd anglaise (Main estimates, 1990-91)* 90-04021/3. CSI 45105.004F  
MICROLOG 90-04025 3 fiche

Ce document présente le budget principal du Nouveau-Brunswick pour l'année 1990-1991. Il se penche particulièrement sur les tableaux récapitulatifs des dépenses, le budget principal des dépenses (comptes ordinaire, compte de capital, compte à but spécial et prêts et avances), les prévisions des recettes au compte ordinaire, des recouvrements au compte de capital, des recettes au compte à but spécial et des recouvrements au compte de prêts et avances, et les estimations du compte à but spécial.  
AP CO PA PR

### Budget speech and estimates, 1989-90

presented by Gilbert R. Clements.  
Charlottetown Dept. of Finance, 1990. xxv, 152 p. *Highlights (6 p.) laid in* CSI 61104.003  
MICROLOG 90-04299 2 fiche

This document contains the text of the speech presented by Gilbert R. Clements, providing the economic situation and outlook, federal-provincial fiscal arrangements, public accounts, forecast of revenue and expenditure and borrowing requirements. The estimates of revenue and expenditure are also included.  
AP CO PA PR

### Buffalo Pound taste and odour control facilities : final report

Regina : G.A.C. Management Committee, 1989. 35 p.  
MICROLOG 90-06376 1 fiche

Regina and Moose Jaw share a common water treatment plant which draws its water from the shallow Buffalo Pound Lake, in the Qu'Appelle River system about 5 km northwest of Regina. In summer and autumn the Regina and Moose Jaw water supply suffered from a severe taste and odour problem because of weed and algae growth in the lake. The construction of a granular activated carbon water treatment



system was proposed as an immediate solution to the problem. This report describes the background to federal and provincial government involvement and the agreement signed; the treatment plant, the taste and odour control facilities; and operational experience. CA EV MS SC

# **Builders' liens : towards greater assurance of payment : final report, part 1**

Alberta. Joint Government/Industry Task Force on Builders' Liens. Edmonton : The Task Force, 1989. 83 p.  
MICROLOG 90-05218 1 fiche

This report represents the completion of the Task Force's primary work of reviewing the current Act and drafting proposed legislation embodying its recommendations to the government.  
AL CO PR

# **Building a strong positive image for New Brunswick : final report**

Lippincott and Margulies. Fredericton : Dept. of Tourism, Recreation and Heritage, 1990. 232 p. : ill. *Bilingual Action Plan* (3, 3 p.) laid in. French ed. (Création d'une image...) : 90-05559/3.  
MICROLOG 90-06467 3 fiche

Research was conducted between July and September 1989 on New Brunswick's image among key audiences. The research involved discussion with individuals and groups within the province and in adjacent regions. Over 50 citizens from all region and major population centres were interviewed. Focus groups involving about 60 people were held in six locations within the province and in Boston, Toronto, and Montreal. Mall intercepts of about 120 people were conducted in Fredericton and Moncton. Findings fall under these five headings and are discussed in the text: verbal message, visual message, provincial pride and loyalty, public perceptions in Canada, awareness outside Canada.  
AP CU PA PR

# **Building a stronger Manitoba : a discussion paper**

Liberal Party of Manitoba. Task Force on the Economy. Winnipeg : The Task Force, 1990. 21 p. : ill.  
MICROLOG 90-04991 1 fiche

This discussion paper offers examples of opportunities for new enterprise and asks readers to think about the range of possible responses to complex issues of public and economic policy.  
CO MS PR

# **Building an effective partnership : the federal government's commitment to fighting AIDS**

Ottawa : Health and Welfare Canada, 1990. 37, 37 p. *Bilingual (Une Collaboration fructueuse...)*. Highlights (5 p.) laid in. ISBN 0-662-57587-3  
MICROLOG 90-06407 1 fiche

Highlights education and prevention; biomedical initiatives; care, treatment and support; support to non-governmental organizations; coordination and collaboration, and administration and support.  
CA CI HE SA

# **Building houses, communities and our future : a new approach to housing in the Northwest Territories**

Yellowknife : Northwest Territories Housing Corporation, 1990. 24 p. : ill. *Bilingual (Construire des maisons, des...)*.  
MICROLOG 90-05707 1 fiche

In the two years since the Special Committee on Housing submitted its final report to the

Legislative Assembly, recommending changes to the way housing is delivered in the Northwest Territories, the N.W.T. Housing Corporation has been working hard to make these changes. This report describes the Corporation's progress over the past year and describes changes still to come.  
NO PR SA

# **Building Partnerships for Environmentally Sound Development in Nova Scotia : conference proceedings**

Building Partnerships for Environmentally Sound Development in Nova Scotia (1989 : Halifax, N.S.). Halifax : Dept. of the Environment, 1989. xx, 151 p.  
MICROLOG 90-04580 2 fiche

Proceedings of a conference hosted by industry, public interest groups and government to initiate a program of cooperative action for the achievement of sustainable economic development in Nova Scotia. A summary of the conference and recommendations of the workshops are also included.  
AP CO EV PR SC

# **Building stone inventory of the Sudbury Resident Geologist's area**

by J.K. Lacey. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xiii, 64 p. : ill., fold. maps. (Ontario Geological Survey open file report ; 5721)  
MICROLOG 90-00867 2 fiche

The granite building and dimensional stone industry in North America has shown continued growth over the past few years, with the majority of this increase in exterior panels of landmark buildings and flooring tiles. The demand for new colours and distinctive textured granite is steadily increasing. This report contains detailed information and references for 14 areas with good potential for producing dimensional stone. Detailed information and history of the 3 currently producing granite quarries (Dana Black Granite, Killarney Tweed and Positano Granite) in the Sudbury area are also included.  
NR ON PR PS SC

# **Building Team 2000 : human resource strategy for the 90's**

Vancouver, B.C. : B.C. Hydro, 1990. 25 p. : ill. ISBN 0-7726-1100-9  
MICROLOG 90-05021 1 fiche

B.C. Hydro's mission is to support the economic growth of British Columbia through the efficient supply of electricity. This publication presents the Corporation's strategic plan to build an efficient and more productive workforce strategy. Objectives and initiatives are presented to help identify the challenges necessary in developing the strategy for the next decade.  
BC EN LA PR SC

# **Building the future : profiles of Canadian women in trades**

by K. Braid. Ottawa : Labour Canada, Women's Bureau, 1990. i, 65, i, 75 p. : ill. Bibliogr. *Bilingual (Bâtir l'avenir : profils...)*.  
MICROLOG 90-05931 2 fiche

Over the last few years the number of women entering trades such as carpentry, welding and construction has increased, yet women still comprise a minority in these occupations. This document looks at the experience of tradeswomen working in large and small companies, participating in cooperatives, running their own businesses or planning to do so in the future.  
CA LA SA

# **The Bulk Sales Act**

Edmonton : Alberta Law Reform Institute, 1990.

i, 41 p. (Report ; no. 56) ISSN 0317-1604  
ISBN 0-8886-4157-5  
MICROLOG 90-03550 1 fiche

This report describes the Act and states the reasons for our conclusion that the Act should be repealed. It also contains the text of the Act, describes the survey conducted of members of the legal profession regarding their views on the Act, and summarizes the most frequently expressed reasons for retaining the Act, and states why it was concluded that those reasons were overborne by those in favour of repeal. Finally, it describes some approaches that could be taken to reforming rather than repealing the Act.  
AL CO JU PR

# **Bulletin : initial assessment decisions -- 5th ed.**

Ottawa : Federal Environmental Assessment Review Office, 1989. 41, 42 p. *Bilingual (Bulletin des décisions...)*.  
MICROLOG 90-03920 1 fiche

Initial assessment is part of the federal environmental assessment and review process (EARP) which is used to implement government policy on environmental assessment. Initial assessment helps determine the potential environmental and directly related social implications of proposals for which the government has a decision-making responsibility. This bulletin contains summaries of decisions about proposals made as a result of initial assessment. Proposed projects are listed alphabetically by province or territory and by location. Interprovincial projects and offshore projects are listed under Canada. Each description includes the location, the federal board, department, agency or corporation responsible, the document number, a brief description of the project, and the decision.  
● CA EV PA SC

# **Bulletin de l'Ontario en matière d'enseignement des sciences : comparaisons avec le reste du Canada**

par F.M. Connelly. Toronto : Ministère de l'éducation, 1988. xiv, 95 p. : ill. Bibliogr. (Recherche en bref) ISBN 0-7729-2970-3  
MICROLOG 90-04310 2 fiche

Les grandes lignes de cette étude ont d'abord été désignées au palier international grâce au travail d'une équipe de recherche multidisciplinaire. Une équipe de recherche canadienne a ensuite apporté sa contribution au palier national et, finalement, un comité s'est occupé des questions d'intérêt provincial. Le document examine particulièrement les points suivants: l'étude en contexte; le programme de sciences désiré, le rendement scolaire en sciences; l'attitude et le rendement; les deux conditions à l'enseignement (l'utilisation des laboratoires et la prise de décision en matière de programme d'études); et, un résumé du bulletin scolaire de l'enseignement des sciences en Ontario.  
ED ON PR

# **Bulletin des décisions prises à la suite d'évaluations environnementales initiales -- 5e éd.**

Ottawa : Bureau fédéral d'examen des évaluations environnementales, 1989. 42, 41 p. *Bilingue (Bulletin : initial...)*.  
MICROLOG 90-03920 1 fiche

L'évaluation initiale s'effectue dans le cadre du Processus fédéral d'évaluation et d'examen en matière d'environnement (PEEE), lequel constitue le mécanisme d'application de la politique gouvernementale sur l'évaluation environnementale. L'évaluation initiale aide à déterminer les conséquences environnementales potentielles d'un projet ainsi que les conséquences sociales qui en découlent directement et à l'égard desquelles un organisme gouvernemental exerce un pouvoir



de décision. Le présent bulletin donne des comptes rendus des décisions prises à la suite d'une évaluation environnementale.  
● CA EV PA SC

#### Bulletin ENFOR, 1989

ENFOR. Ottawa : Forêts Canada, 1989. iii, 31, iii, 28 p. *Bilingue (ENFOR review, 1989)*. CSI 21137.003. ISSN 0714-5853 ISBN 0-662-57205-X  
MICROLOG 90-03285 1 fiche

Cette publication regroupe des résumés de rapports ENFOR (Energie de la forêt) récemment publiés. On y présente également une liste mise à jour des projets du programme ENFOR. ENFOR est un programme de recherche-développement à contrat dirigé par Forêts Canada. Il vise à favoriser l'acquisition des connaissances et des techniques nécessaires à l'accroissement marqué de l'apport de la biomasse forestière aux ressources énergétiques du Canada. Le programme a été établi en 1978 dans le cadre d'une initiative interministérielle fédérale en vue d'exploiter des sources d'énergie renouvelables.  
● CA EN FO SC

#### Bunch yarding with radio-controlled chokers in coastal British Columbia second-growth timber

by A.J. MacDonald. S.I. : Forest Resource Development Agreement, 1990. v, 20 p. : ill. Bibliogr. (FRDA report ; 108) ISSN 0835-0752 ISBN 0-662-17559-X  
MICROLOG 90-04429 1 fiche

Examination of a yarding crane using radio-controlled, self-releasing chokers to yard mechanically felled and bunched timber. The report is one in a series on yarding techniques used in logging B.C. coastal second-growth timber. The study determined the system costs and productivity; determined the effect of turn volume and hookup times on productivity; compared choker-yarding costs and productivities with those of grapple yarding; and determined the marginal log volume for profitable yarding while using chokers. Two Madill 044 yarding cranes, rigged in different yarding configurations, were monitored at a detailed-timing level for 3 weeks in 1989 in a second-growth Douglas-fir stand near Port Alberni, B.C.  
● BC CA FO PR SC

#### Bureau canadien de la sécurité aérienne : Rapport annuel 1988

Ottawa : le Bureau, 1989. viii, 63, viii, 58 p. : ill. *Bilingue*. CSI 22219.001. ISBN 0-662-56612-2  
MICROLOG 90-00747 2 fiche

En plus de donner l'aperçu des activités du bureau, le rapport annuel couvre les points suivants: les enquêtes sur les activités et les rapports et les accidents majeurs en cours à la fin de l'exercice; la mise au point de nouvelles méthodes d'investigation et d'analyse des enregistreurs phoniques et des enregistreurs de données de vol, de la photogrammétrie, des levés des lieux d'accidents et de la restauration des numéros de fabrication des pièces; le programme des comptes rendus confidentiels sur la sécurité aérienne; la santé et la sécurité au travail; les communications; les conclusions des rapports sur des accidents majeurs adoptés par le Bureau en 1988; et les recommandations et les mesures de sécurité.  
CA SC ST TR

#### Bureau canadien de la sécurité aérienne : Rapport annuel 1989

Ottawa : le Bureau, 1990. viii, 62, viii, 58 p. : ill. *Bilingue*. CSI 22219.001. ISBN 0-662-57311-0  
MICROLOG 90-05521 2 fiche

Le Bureau a pour mandat de promouvoir la sécurité aérienne en procédant à des enquêtes

indépendantes ou publiques sur des faits aéronautiques, en constatant les manquements à la sécurité mis en évidence par les faits aéronautiques, et en présentant des recommandations à la suite des enquêtes. Ce rapport annuel présente un sommaire des statistiques concernant la sécurité aérienne, un résumé des activités d'enquêtes, des nouvelles sur les applications de la technologie, et des avis sur la sécurité aérienne.  
CA SC ST TR

#### Bureau du Commissaire à l'information et à la protection de la vie privée/Ontario : Rapport annuel 1988

Toronto : le Bureau, 1989. 100 p. : ill. L'éd. anglaise : 90-00553/2. CSI 56239.001F  
MICROLOG 90-00554 2 fiche

Ce document porte sur l'accès à l'information et la protection de la vie privée. On y examine les points suivants: le Bureau du commissaire, l'administration et les communications, les services juridiques et l'observation de la loi et des enquêtes; les pratiques et les procédures de processus d'appel; l'examen de l'efficacité en ce qui a trait à la nature et la résolution finale des appels et les statistiques relatives aux demandes reçues par les ministères et organismes; les statistiques relatives au processus d'appel; et les recommandations du commissaire.  
JU ON PA PR ST

#### Bureau du surintendant des institutions financières Canada : Rapport annuel 1989

Ottawa : le Bureau, 1989. viii, 26, viii, 24 p. : ill. *Bilingue*. CSI 22170.002. ISBN 0-662-56236-4  
MICROLOG 90-00504 1 fiche

Le surintendant des institutions financières est chargé de réglementer et de surveiller les banques, les compagnies d'assurance, les sociétés de fiducie, de prêt et d'investissement et les associations coopératives de crédit qui détiennent une charte ou une licence émise par le gouvernement fédéral, et de surveiller les régimes de retraite assujettis à la réglementation fédérale. De plus, il doit fournir des rapports actuariels sur divers programmes de pensions publiques. Le document se penche donc sur la réglementation des années 90; les institutions financières assujetties à la réglementation fédérale; et la structure hiérarchique du Bureau du surintendant des institutions financières.  
CA CO

#### La Bureautique et la productivité : état de la question

par G. Wybouw, R. Kanaan et R. Blake. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 48 p. Bibliogr. ISBN 0-662-94939-0  
MICROLOG 90-02316 1 fiche

Ce rapport présente les résultats d'une recherche sur les méthodes, modèles, écoles de pensée et approches à la mesure de la productivité dans un environnement bureautique. Il comprend une bibliographie, une bibliographie annotée, les textes de communications à divers congrès de sociétés savantes, ainsi qu'un document intitulé 'Méthodes et outils de mesure reliés à la productivité'. Finalement, le document se penche sur les différentes perceptions de la productivité et les approches à la mesure.  
CA LA

#### La Bureautique et la productivité : revue de la littérature

par G. Wybouw et R. Kanaan. Laval, Québec : Ministère des communications, Centre canadien de recherche sur

l'informatisation du travail, 1986. ii, 162 p. MICROLOG 90-02307 2 fiche

Le Centre canadien de recherche sur l'informatisation du travail a été créé par le gouvernement fédéral afin de renforcer la position du Canada dans le domaine de l'informatisation du travail et de catalyser les efforts de recherche dans cet important secteur. Le Centre poursuit ainsi un objectif de leadership de la recherche appliquée dans le domaine des systèmes informatisés de bureau en s'assurant que ces systèmes contribuent à la synthèse de besoins des utilisateurs et à contribuer à la résolution des problèmes d'informatisation du bureau. Le document contient des résumés, un index de référence original contenant les définitions ou utilisations faites des termes ainsi que les articles auxquels ils se réfèrent.  
CA LA

#### Business growth in Edmonton, 1988

Edmonton : Edmonton Planning and Development, Strategic Planning Branch, 1989. v, 27 p. (Research paper ; no. 29) CSI 89453.207. MICROLOG 90-00499 1 fiche

The report analyses business growth as an indicator of the strength of the Edmonton economy, highlighting the major growth sectors and the locations experiencing the greatest changes.  
AL CO MU ST

#### Business plan, 1990-91

British Columbia. Ministry of Energy, Mines and Petroleum Resources. Victoria : The Ministry, 1990. 16 p. CSI 37104.008. ISSN 0847-0014  
MICROLOG 90-05878 1 fiche

The Ministry's mission is to ensure that the province's energy and mineral resources are developed and used in a safe, efficient, and environmentally sound manner for the economic benefit of the province. This document presents outlooks for the Ministry's various divisions and lists key initiatives for 1990/91 fiscal year.  
BC EN NR PR PS SC

#### Business strategy for the collection and transportation of regulated wastes

prepared by P. Inglis, B. Wolfman and D. Ross ; for the Ontario Waste Management Corporation. Toronto : Coopers & Lybrand Consulting Group, 1988. 73 p. : ill. Bibliogr. MICROLOG 90-02872 1 fiche

Result of an investigation into the best business strategy for the Ontario Waste Management Corp. to ensure that the facility is available, at a reasonable cost, to all generators of waste in Ontario with the priority given to those which are currently inadequately treated. The report evaluates the demand for waste management services in the various regions of Ontario, reviews the suppliers providing service, and outlines a number of possible strategies for the provision of this service.  
EV ON PR SC

#### Búsqueda : agua dulce imperativo humano

Ottawa : Centro internacional de investigaciones para el desarrollo, 1988. 44 p. : ill. (Informe ; 272s) ISSN 0120-1689 ISBN 0-88936-545-8  
MICROLOG 90-00935 1 fiche (Available on fiche only)

Abstract unavailable for this document.  
CA EX NR SC

#### Buttercups, waterlilies, and their relatives : the order Ranales in British Columbia

by T.C. Brayshaw. Victoria : Royal British Columbia Museum, 1989. vii, 253 p. : ill.,



maps. Bibliogr. (Royal British Columbia Museum memoir ; no. 1) ISSN 0843-5383 ISBN 0-7718-8739-6  
MICROLOG 90-01767 3 fiche

This contribution to the flora of B.C. describes 98 plant species in the families Ranunculaceae, Nymphaeaceae, Ceratophyllaceae, and Berberidaceae, comprising the representatives of the Englerian order Ranales that have been found growing wild, native or naturalized, in B.C. The species described are illustrated, and their distributions are indicated by maps based on herbarium records. Diagnostic keys are provided to aid in the identification of species and subspecific categories. Some cases of questionable identity are discussed in detail. One hybrid is described, and 6 other nomenclatural innovations are made.  
BC EV LS PR SC

#### Buy local programs : import substitution at the regional level

by H.C. Davis. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1987. 20 p. Bibliogr. (Canadian planning issues ; no. 25) ISSN 0828-2390  
MICROLOG 90-05474 1 fiche (Available on fiche only)

Import substitution at the local or regional level is a community-based economic initiative that is gaining increasing attention. Import substitution can have a higher multiplier effect on the local economy than export expansion. This paper reviews 'Buy-Local' efforts in the state of Oregon, the province of Saskatchewan, and the metropolitan area of Victoria, B.C. in an effort to establish the principal determinants of, as well as constraints on, a successful regional import substitution program.  
BC CO MU PR

#### By-law no. 7P90 : being a by-law of the City of Calgary to amend the City of Calgary Land Use By-Law

Calgary (Alta.). Calgary : The City, 1990. 6 p. Bound with: By-law no. 8P90 : being a by-law of the City of Calgary to amend the City of Calgary Land Use By-Law.  
MICROLOG 90-03447 1 fiche

Contains the text of the by-law.  
AL JU MU

#### By-law no. 8P90 : being a by-law of the City of Calgary to amend the City of Calgary Land Use By-Law

see By-law no. 7P90 : being a by-law of the City of Calgary to amend the City of Calgary Land Use By-Law

#### C.D. Howe Institute : Annual report 1989 : decade of challenge

Toronto : The Institute, 1990. 20 p. : ill. Bibliogr. CSI 99526.001.  
MICROLOG 90-04150 1 fiche

This annual report outlines the major activities and accomplishments of the Institute. It includes financial statements.  
• CA CO

#### C-14 removal from spent IX resins, phase II : preliminary studies and pilot plant design

by F.H. Chang. Toronto : Ontario Hydro, Research Division, 1989. iii, 32 p. : ill. Bibliogr. (Report ; no. 89-54-K)  
MICROLOG 90-00416 1 fiche

A program was initiated in 1987 to develop a process for removing C-14 from spent resins removed from CANDU reactors for separate storage, reducing the storage requirements significantly and enabling disposal of the treated resins as low or intermediate active wastes by shallow land burial at properly designed sites. Phase I of the program was completed in 1987

and included a bench-scale laboratory evaluation of several methods selected from the literature. Phase II was conducted during 1988 to confirm the efficiency of the acid stripping technique with laboratory simulated spent resins containing higher C-14 activities and also with station (actual) spent resin samples retrieved from Pickering NGS.  
EN ON PR PS SC

#### Cabinet committees : restructuring the system

by W. Koerner. Ottawa : Library of Parliament, Research Branch, 1989. 31 p. Bibliogr. (Background ; BP-106E) French ed. (Les Comités du Cabinet...) on the same fiche. ISBN 0-660-13286-9  
MICROLOG 90-01920 1 fiche

This document covers historical considerations concerning cabinet committees; cabinet organization and the restructuring of committees; the Turner ministry; the first Mulroney administration; and recent changes.  
CA CI PA

#### Cabinet government in Ontario : a view from inside

by E.E. Stewart. Halifax : Institute for Research on Public Policy, 1989. xvi, 104 p. Bibliogr. ISBN 0-88645-098-5  
MICROLOG 90-02503 2 fiche

In this lecture, the author describes a government where senior officials are important partners who play the same role whatever the political stripe of the government. He describes a government of substance rather than style. His lecture explains not only how blandness worked, but why. It deals with renovation and cautious conflict-resolution with the challenge of developing a contemporary system of Cabinet government in which structure serves decision-making, rather than the other way around.  
ON PA PR

#### Cadmium uptake rates in euryhaline amphipods of the Elbe Estuary experiments with *Corophium volutator* (Pallas) (Amphipoda, Corophiidae)

by R. Bias. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 33 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5147) Originally published in German, at Stuttgart. ISSN 0704-3716  
MICROLOG 90-00088 1 fiche

In numerous experiments published in recent years, the high toxicity of the element cadmium and its bioconcentration in aquatic organisms has been demonstrated. In addition, it is unusually persistent in the environment. Therefore, increased use of this element in industrial processes presents a risk of unknown magnitude for the environment. This report presents the results of experiments with *Corophium* collected at Otterndorf, using 5 cadmium concentrations for a constant salinity (16‰ S) or at different salinities (4-28‰ S) for one concentration of the toxic heavy metal. For all of the experiments with sediments, the ratio of the volume of water to the volume of sediment was 3.6:1.0. Monitoring was done for temperature, oxygen content, pH value, salinity, and loss of water as well as spot checks for alkalinity.  
• CA CF FI LS SC

#### Le Cadre administratif et les aspects légaux et réglementaires de l'immigration au Québec

Québec : Communautés culturelles et immigration, 1989. 19 p. (Consultation sur les niveaux d'immigration) ISSN 0831-0335 ISBN 2-550-19886-7  
MICROLOG 90-02627 1 fiche

Ce texte vise à faire comprendre les éléments essentiels du cadre légal, réglementaire et administratif, à l'intérieur duquel fonctionne le système québécois d'immigration. Dans un premier temps, il décrit brièvement les principes du système canadien d'immigration auxquels le Québec adhère. Il expose ensuite comment les pouvoirs reconnus au Québec par l'entente administrative s'inscrivent dans ce système et il définit les modalités plus précises en fonction desquelles les immigrants appartenant aux diverses catégories sont sélectionnés. Finalement, il explique en quoi consiste, pour chacune des catégories, l'exercice de détermination des niveaux d'immigration.  
EX PR QU

#### Cadre de référence pour le plan quinquennal d'investissements universitaires, 1988-93

Québec : Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement et de la recherche universitaires, 1988. 22 p. CSI 66131.018. ISBN 2-550-19502-7  
MICROLOG 90-02791 1 fiche

Ce document a pour objet de présenter le cadre de référence qui a permis l'élaboration du plan quinquennal d'investissements universitaires 1988-93 lequel doit être approuvé par le gouvernement conformément à la loi sur les investissements universitaires. Le document comprend trois sections. La première présente le contexte général dans lequel le plan quinquennal 1988-93 est préparé. La deuxième présente les différentes composantes du plan ainsi que les formules de calcul qui permettent de déterminer les montants alloués à chaque composante. Quant à la dernière section, elle résume l'essentiel de la contribution totale du ministère de l'Enseignement supérieur et de la Science et des autres sources de financement en matière d'investissements universitaires pour le plan 1988-93.  
ED PR QU

#### Caisse de dépôt et placement du Québec : Annual report 1989

Montreal : The Caisse, 1990. 32 p. : ill. Bilingual. CSI 67132.002.  
MICROLOG 90-03291 1 fiche

The mandate for the Caisse de dépôt et placement du Québec, is to make profitable investments and to support Quebec's economic development. This document includes an economic overview, and presents information on asset mix, variable-income securities, fixed-income securities, depositors' funds, and administration. It also contains combined summary financial statements.  
CO PR QU ST

#### Caisse de dépôt et placement du Québec : États financiers et statistiques financières 1989

Montréal : la Caisse, 1990. 36 p. Bilingual (Financial statements...1989). CSI 67132.005. ISSN 0835-2143 ISBN 2-550-20482-4  
MICROLOG 90-03292 1 fiche

Document donnant des renseignements sur les états financiers de la Caisse de dépôt et placement du Québec, notamment les statistiques financières, le rendement, les intérêts ou revenus annuel versé sur les dépôts moyens, les placements, la participation aux émissions d'obligation du secteur public québécois, les investissements spécifiques, et la rétrospective financière des dix dernières années.  
CO PR QU ST

#### Caisse de dépôt et placement du Québec : Financial statements and financial statistics 1989

Montreal : The Caisse, 1990. 36 p. Bilingual



(Etats financiers...1989). CSI 67132.005.  
ISSN 0835-2143 ISBN 2-550-20485-9  
MICROLOG 90-03292 1 fiche

The mandate for the Caisse de depot et placement du Quebec, is to make profitable investments and to support Quebec's economic development. This document includes highlights, financial statements, and financial statistics.  
CO PR QU ST

### Caisse de dépôt et placement du Québec : Rapport annuel 1989

Montréal : la Caisse, 1990. 32 p. : ill.  
Bilingue CSI 67132.002.  
MICROLOG 90-03291 1 fiche

La Caisse de dépôt et placement du Québec, a été créée pour administrer les fonds de retraite et de régimes d'assurance publics. Ce document se penche sur la répartition de l'actif, les valeurs à revenu variable et fixe, les fonds des déposants ainsi que les états financiers sommaires cumulés.  
CO PR QU ST

### Caisse de métro de type grand gabarit : étude conceptuelle

André G. Fontaine ; préparé par Bombardier inc., Québec : Gouvernement du Québec, Ministère des transports ; Ottawa : Transports Canada, 1989. xxiii, 55 p. : ill. (Etudes et recherches en transports) (Technologie et instrumentation) ISBN 2-550-19825-5  
MICROLOG 90-02828 1 fiche

Ce rapport résume le travail accompli au cours de la phase I du projet. Il s'agit d'une étude conceptuelle qui vise à déterminer l'intérêt et la faisabilité d'une caisse, c'est-à-dire de l'ensemble structural monocoque qui forme l'essentiel d'une voiture de métro. Les objectifs du projet sont: développer un design de caisse de métro grand gabarit, en acier inoxydable, qui sera en mesure de répondre adéquatement aux besoins du marché; contribuer au développement des fournisseurs locaux pour le matériel spécialisé; et, maîtriser la technologie de caisse de type grand gabarit. Dans la première partie, on passe en revue les concepts existant. On établit les caractéristiques des voitures en utilisation dans plusieurs villes et on retient les caractéristiques les plus intéressantes. Ensuite, on établit les objectifs de conception, on fournit une description de la caisse prototype et des paramètres de conception et on fait l'analyse structurale, la présentation des régions critiques et une discussion des résultats.  
CA PR PS QU SC TR

### Caisse des réclamations de la pollution maritime (Canada) : Rapport annuel 1988-89

Ottawa : Transports Canada, 1990. 7 p.  
Bilingue. CSI 21123.012. ISBN 0-662-57246-7  
MICROLOG 90-03290 1 fiche

Ce document présente un exposé sur l'évolution de la Caisse des réclamations de la pollution maritime au cours de l'exercice allant du 1er avril 1988 au 31 mars 1989. Il porte principalement sur les thèmes suivants: le problème; le déversement d'hydrocarbures sur la côte ouest; le déversement d'hydrocarbures par le chaland *Pointe Levy* près de Matane (Québec); le déversement d'hydrocarbures d'origine inconnue dans le lac Supérieur; le déversement d'hydrocarbures par le navire de charge *South Angela* à Come By Chance (Terre-Neuve); les réclamations non-réglées; les modifications à la Loi sur la marine marchande du Canada; et, la situation de la Caisse.  
AP CA EV SC

### Caisses populaires du Nouveau-Brunswick : Rapport annuel 1988

Fredericton : Ministère de la justice, 1989. 22, 22 p. : ill. Bilingue (New Brunswick credit

unions...). CSI 46117.001.  
MICROLOG 90-00718 1 fiche

La responsabilité majeure du Service des caisses populaires et coopératives est celle de surveiller les caisses populaires et les 'credit unions' au Nouveau-Brunswick. Le Service a comme principal objectif de veiller à l'application de la 'Loi sur les caisses populaires' et de ses règlements ainsi que de la 'Loi sur les fédérations de caisses populaires' dans le but de protéger l'épargne des membres. A cette fin, le Service effectue périodiquement des inspections des caisses populaires et de 'credit unions' dont en voici le rapport annuel.  
AP CO PA PR

### Calcium magnesium acetate (CMA) production : an assessment of process technology

Sheridan Technical Associates Inc. Toronto : Ministry of Transportation, Research and Development Branch, 1990. vii, 110 p. : ill. Bibliogr.  
MICROLOG 90-05796 2 fiche

Calcium magnesium acetate (CMA) has been identified as the most promising, non-corrosive, environmentally benign alternative to rock salt as a de-icing chemical. Unfortunately, CMA presently costs at least 25 times as much as salt on the basis of small scale pilot production. This technology review evaluated present and possible chemical and biotechnical processes to determine if opportunity exists for Ontario industry to produce CMA to the existing specifications for use as a de-icer at a cost less than \$35/tonne (1988 prices). As a guideline, production costs will be based on a plant producing 10-6 tonnes/a which approximates to the potential Ontario requirements. The report examines the options available for the economic production of CMA and assumes that new capital construction will be required to achieve this. The possibility of export sales is not considered. This technology review is divided into sections dealing with proven commercial processes for acetic acid manufacture, conversion of acetic acid to CMA, possible routes from renewable resources, and newer chemical routes to acetic acid/CMA.  
NR ON PR PS SC

### Calcul simultané de la matrice de demande et des flots optimaux de marchandises sur un réseau multimodal

par C. Gédéon. Montréal : Université de Montréal, Centre de recherche sur les transports, 1990. v, 97 p. : ill. Bibliogr. (Publication ; no. 699)  
MICROLOG 90-06429 2 fiche

Ce document porte sur les points suivants: exposer un modèle proposé en divers degrés de généralité, puis développer une approche de résolution basée sur la méthode d'approximation linéaire; généraliser cette approche; analyser quelques cas particuliers; et, décrire l'implantation informatique de cette méthode. On y passe également en revue les tests et résultats numériques obtenus grâce à cette implantation, avant de tirer quelques conclusions de cette étude.  
PR QU SC TR

### Caldwell Township, Sudbury mining division 41/8

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 17 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 544)  
Fold maps not filmed.  
MICROLOG 90-02991 1 fiche

Geological data inventory for Caldwell Township, including a checklist of data sources, mineral commodities reference list, topographical maps

available, results of a general index search, and selected references.  
NR ON PR PS SC

### Calgary 2020 : Calgarians choosing their future today

Calgary, Alta. : Calgary Public Information Dept., 1989. 39 p. : ill.  
MICROLOG 90-03636 1 fiche

In October 1988, the Minister of Municipal Affairs commissioned Alberta's local governments to prepare "preferred vision" statements to help shape their futures. This document contains Calgary's response to this inquiry. Thirty three groups comprised of 300 individuals contributed. Twenty of these groups offered special perspectives from different age groups including children, teens, post-secondary students, and seniors; particular themes such as business, labour, urban planning, heritage, environment, health, and the disabled; and various backgrounds including native, and ethno-cultural groups.  
AL BS CO MU

### Calgary Regional Planning Commission : Annual report 1988-89

Calgary, Alta. : The Commission, 1989. 39 p. : ill. CSI 89968.001.  
MICROLOG 90-04370 1 fiche

The Commission is responsible to exercise subdivision approving authority, provide planning advice and assistance, advise on annexations, and encourage public participation in planning. This annual report outlines the major activities and accomplishments of the Commission. It includes financial statements.  
AL MU PL SC

### Calgary Regional Planning Commission : Annual report 1989-90

Calgary, Alta. : The Commission, 1990. 37 p. : ill. CSI 89968.001.  
MICROLOG 90-06550 1 fiche

The Commission's principal responsibilities are these : to administer the Regional Plan; exercise subdivision approving authority where this has not been delegated to municipalities, to provide planning advice and assistance to municipal councils; to advise on annexations; and to encourage public participation in planning. This annual report reviews the activities of the Commission and the Standing Committees. It presents information on the staff, and includes financial statements.  
AL MU PL SC

### Calgary (Alta.) : Financial report 1986

Calgary, Alta. : Calgary Finance Dept., 1987. 72 p. : ill. CSI 89467.002.  
MICROLOG 90-02154 1 fiche

1986 was a hard year for the city because of plummeting oil prices in late 1985. However, Calgary pulled through and this financial report, which provides combined statements, schedules and statistics, and fund statements reflect the success of 1986. schedules and statistics, and fund statements.  
AL CO MU PA

### Calgary (Alta.) : Financial report 1987

Calgary, Alta. : Calgary Finance Dept., 1987. 72 p. : ill. CSI 89467.002.  
MICROLOG 90-03186 1 fiche

Contains combined statements, schedules and statistics, and fund statements for the general fund, utilities, social housing programs, and the service funds.  
AL CO MU PA

### Calibration of capacitive cells for measuring water in snow

by R. Perla and J. Banner. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988.



8 p. Bibliogr. (NHRI contribution ; no. 88033)  
In Cold Regions Science and Technology: vol.  
15, no. 3, 1988. ISSN 0838-1992  
MICROLOG 90-06486 1 fiche

A capacitive cell is a practical device for  
measuring liquid water in snow. This report  
presents the statistical and physical calibration  
of a one MHz cell using 251 samples, with  
liquid water measured independently by acid  
dilution.  
CA EV PS SC

### Cambridge District fisheries management plan, 1989-2000

Toronto : Ministry of Natural Resources, 1989.  
iv, 106 p. : maps. Bibliogr. ISBN  
0-7729-5747-9  
MICROLOG 90-01992 2 fiche

This fisheries management plan was prepared  
to outline the direction for fisheries management  
in the Cambridge District to 2000 and to  
identify specific activities required to manage  
local fisheries resources over the next 5  
years. The report covers the purpose and  
planning process, including existing policy and  
technical direction; the current and projected  
resource use for sport fishermen, commercial  
food and bait fishermen, private fish farms,  
native fisheries, and fish viewing; general and  
specific management direction for the sport  
fisheries, bait fisheries, provincially rare and  
endangered species, and non-consumptive  
fisheries; and implementation.  
FI ON PR SC

### Le Camionnage pour compte d'autrui au Québec

par G. Gonthier. Québec : Gouvernement du  
Québec, Ministère des transports, 1989. xvi,  
105 p. : ill. Bibliogr. (Etudes et recherches  
en transports) (Socio-économie des  
transports) ISBN 2-550-19984-7  
MICROLOG 90-02888 2 fiche

Sur la base du partage des compétences  
fédérale et provinciale, un bref historique  
présente les principales étapes législatives de la  
réforme du camionnage, ceci à l'aide des  
données statistiques disponibles, notamment  
celles de Statistique Canada, des tableaux et  
des figures illustrant l'importance économique du  
camionnage pour le Québec. Les objectifs, les  
principes et les orientations guidant la réforme  
sont également passés en revue. Ensuite,  
l'analyse des principales dispositions de la Loi  
de 1987 sur les transports et de la Loi sur le  
camionnage permet de comprendre l'étendue de  
la réforme et son effet sur l'accès au marché  
du camionnage. En ce qui concerne le  
système des permis adopté par le Règlement  
sur le camionnage, l'approche présentée fournit  
une plus grande liberté de commerce pour  
stimuler la concurrence. Enfin, une description  
des pouvoirs d'enquête et d'inspection, de  
même que des dispositions pénales applicables  
respectivement aux entreprises de camionnage  
extraprovinciales et locales, complète ce tour  
d'horizon des règles du jeu en vigueur au  
Québec.  
CO PR QU SC TR

### Campus community recycling strategy for McMaster University, Hamilton, Ontario

Pal-Tech Engineering Inc. Toronto :  
Environment Ontario, Waste Management  
Branch, 1990. vi, 98 p. ISBN 0-7729-6865-9  
MICROLOG 90-07013 2 fiche

The conduct of this study, the development of  
a community recycling strategy for McMaster  
University and the McMaster University Medical  
Center, has revealed a great deal of active  
interest and initiatives already in place with  
respect to recycling. Of special note are the  
various waste reduction and recycling programs  
that are observed in several departments, and  
in the student based McMaster Recycling  
Initiative. This report provides a summary of

these programs.  
EV ON PR

### Can jack pine site productivity in north central Ontario be predicted using multiple regression soil-site equations?

by P.A. LeBlanc and W.D. Towill. Thunder  
Bay, Ont. : Ministry of Natural Resources,  
Northwestern Ontario Forest Technology  
Development Unit, 1989. iv, 14 p. Bibliogr.  
(Technical report ; no. 33)  
MICROLOG 90-01573 1 fiche

Examination of the application of Schmidt and  
Carmean's (1988) multiple regression equations  
describing jack pine soil-site relationships for  
the Thunder Bay District and the B.8 Central  
Plateau and B.11 English River forest sections.  
Soils and jack pine site index data from 84  
forest ecosystem classification plots located on  
various site conditions across the B.8 and B.11  
forest sections were used to test the  
hypothesis that these soil-site relationships could  
be applied across north central Ontario.  
FO ON PR SC

### Can we use the northern prime land classification to identify the productivity of jack pine site in north central Ontario?

by P.A. LeBlanc and W.D. Towill. Thunder  
Bay, Ont. : Ministry of Natural Resources,  
Northwestern Ontario Forest Technology  
Development Unit, 1989. iii, 21 p. : ill.  
Bibliogr. (Technical report ; no. 34)  
MICROLOG 90-01574 1 fiche

In 1985, the Northern Region developed a  
classification and key for assigning various soil-  
site conditions to relative site productivity  
classes. This key was developed using selected  
soil site variables considered to be critical in  
influencing individual tree and stand growth.  
This investigation tested the accuracy of the  
Northern region prime land key in predicting  
jack pine site productivity in north central  
Ontario. An extensive data base consisting of  
84 plots established by the forest ecosystem  
classification, and 99 plots from Schmidt's soil-  
site study for jack pine in the north central  
region was used. Site productivity was  
described using site index (height of dominant  
trees at breast height age of 50 years).  
FO ON PR SC

### Canada. Administration des mesures d'encouragement du secteur pétrolier : Rapport annuel 1987

Ottawa : l'Administration, 1990. 19 p.  
CSI 21110.004. ISBN 0-662-95930-2  
MICROLOG 90-05139 1 fiche

Ce rapport traite des activités de  
l'Administration durant l'année civile 1987.  
Cette année on a mis en oeuvre des  
initiatives en raison de l'élimination du  
Programme d'encouragement du secteur  
pétrolier. Les examens de conformité du  
Programme de détermination de la participation  
et du contrôle canadiens ont aussi été terminés  
au cours de l'année. Ce dernier rapport  
passe en revue les activités pour les deux  
programmes.  
CA CO EN SC ST

### Canada. Administration du pipe-line du Nord : Rapport annuel 1988-89

Ottawa : l'Administration, 1989. 14, 14 p.  
Bilingue. CSI 22159.001. ISBN  
0-662-55616-X  
MICROLOG 90-02763 1 fiche

Ce document fournit le rapport du vérificateur  
général sur les comptes et les transactions  
financières de l'Administration pour l'année 1988-  
89. On y aborde les sujets suivants: le  
gazoduc de la route de l'Alaska; l'exploitation  
du gazoduc et l'élaboration d'importants plans  
d'expansion; les finances, le personnel et les

langues officielles.  
CA EN NO SC

### Canada. Administration du rétablissement agricole des prairies : Rapport annuel 1988-89

Ottawa : l'Administration, 1989. 40, 40 p. : ill.,  
cartes géogr. Bilingue. CSI 22234.001. ISBN  
0829-1772 ISBN 0-662-57608-X  
MICROLOG 90-07097 1 fiche

L'Administration du rétablissement agricole des  
Prairies (ARAP) fournit de l'aide technique,  
matérielle et financière aux agriculteurs, aux  
administrations locales ainsi qu'à d'autres  
organismes fédéraux et provinciaux pour mener  
à bien des projets de conservation des sols et  
d'aménagement des eaux. Ce rapport annuel  
contient un aperçu de l'organisation, un rappel  
des faits saillants de l'année et un sommaire  
des activités par programme administré par  
l'ARAP. Ces programmes touchent  
l'aménagement hydraulique, les pâturages  
communautaires, la distribution d'arbres, le  
réseau de digues et la lutte contre la  
sécheresse. Une section est consacrée aux  
ententes sur le développement économique et  
régional.  
AG CA SC ST

### Canada. Affaires des anciens combattants Canada : Rapport annuel 1988-89

Ottawa : le Ministère, 1989. 96, 86 p. : ill.  
Bilingue. CSI 21125.001.  
MICROLOG 90-03609 2 fiche

Présente le rapport annuel du ministère des  
Anciens combattants, les rapports du président  
du Tribunal d'appel des anciens combattants et  
du président de la Commission canadienne des  
pensions, ainsi que le rapport du Bureau de  
services juridiques des pensions, sur les  
travaux de l'exercice terminé le 31 mars 1989.  
CA SA ST

### Canada. Affaires indiennes et du Nord Canada : Rapport annuel 1988-89

Ottawa : le Ministère, 1989. iv, 69, iv, 68 p. :  
ill. Bilingue. CSI 21113.001. ISBN  
0-662-57007-3  
MICROLOG 90-02944 2 fiche

Ce document présente le rapport annuel du  
ministère des Affaires indiennes et du Nord  
canadien pour l'exercice financier allant du 1er  
avril 1988 au 31 mars 1989. Le document  
donne les points saillants de l'année pour  
ensuite aborder les points suivants: les  
programmes des affaires indiennes et Inuit; les  
programmes des affaires du Nord; les  
programmes de l'administration; et, des  
renseignements sur les bureaux régionaux.  
CA NO NP

### Canada. Agricultural Products Board : Annual report 1988-89

Ottawa : The Board, 1989. 13, 13 p. Bilingual.  
CSI 22101.001.  
MICROLOG 90-00892 1 fiche

Annual report of the Board, giving highlights of  
the year, and a short review of the  
responsibilities and administrative processes. A  
financial statement is included.  
AG CA CO

### Canada. Agricultural Stabilization Board : Annual report 1988-89

Ottawa : The Board, 1989. 47, 51 p. Bilingual.  
CSI 22100.001  
MICROLOG 90-00890 2 fiche

Annual review of the Board, covering the role  
and objectives of the Board and its relationship  
to the Agricultural Stabilization Act. The  
current year's program for named and  
designated commodities and other programs  
administered by the Board are given. A



financial statement is included.  
AG CA CO ST

**Canada. Agriculture Canada.  
Direction générale de la recherche :  
Rapport annuel 1988**

Ottawa : la Direction, 1989. vii, 409 p.  
*Bilingue. CSI 21100.006. ISBN*  
0-662-56752-8  
MICROLOG 90-01659 5 fiche

La mission de la Direction est d'améliorer le potentiel de commercialisation à long terme des produits agro-alimentaires en réduisant les coûts de production, en augmentant la valeur ajoutée des produits alimentaires par la diversification et en insistant davantage sur la salubrité des aliments et la qualité de l'environnement. Ce rapport est un résumé annuel des réalisations de la Direction générale.  
AG CA SC

**Canada. Agriculture Canada.  
Research Branch : Annual report  
1988**

Ottawa : The Branch, 1989. viii, 409 p.  
*Bilingual. CSI 21100.006. ISBN*  
0-662-56752-8  
MICROLOG 90-01659 5 fiche

Annual summary of achievements throughout the Branch, reported in both scientific and extension-type papers listed for 1988 at the end of each establishment's report. The report describes the functions and structure of Headquarters, the Research Coordination Directorate, the Strategic and Planning Directorate, the Central Experimental Farm, and the Eastern and Western Region stations. Organizational charts are included.  
AG CA SC

**Canada. Agriculture Canada : Annual  
report 1987-88**

Ottawa : The Dept., 1988. 53, 62 p.  
*Bilingual. CSI 21100.001. ISBN* 0-662-56374-3  
MICROLOG 90-01637 2 fiche

Annual report of the Department, covering the mandate, ministerial responsibilities and legislation; highlights of the year; and more detailed information on activities in crops, grains and oilseeds, horticultural products, special crops, livestock, dairy products, poultry, and red meat. Activities in such resources as soil and water and forests are also included. Descriptions of the branches and their programs are included.  
● AG CA SC ST

**Canada. Agriculture Canada : Annual  
report 1988-89**

Ottawa : The Dept., 1989. 47, 53 p.  
*Bilingual. CSI 21100.001. ISBN* 0-662-56982-2  
MICROLOG 90-02401 2 fiche

The responsibilities of the Department encompass most aspects of the production, processing and marketing of crops and livestock. This annual report highlights the activities of the Department, and provides information on individual crops.  
AG CA SC

**Canada. Agriculture Canada : Rapport  
annuel 1987-88**

Ottawa : le Ministère, 1988. 62, 53 p.  
*Bilingue. CSI 21100.001. ISBN*  
0-662-56374-3  
MICROLOG 90-01637 2 fiche

Le ministère de l'Agriculture a été constitué par la Loi sur l'Agriculture. Les responsabilités du Ministre portent sur la plupart des aspects de la production, de la transformation et de la commercialisation des cultures et des animaux. Ce document présente le rapport annuel du ministère de l'Agriculture pour l'année financière se terminant le 31 mars 1988.  
● AG CA SC ST

**Canada. Agriculture Canada : Rapport  
annuel 1988-89**

Ottawa : le Ministère, 1989. 53, 47 p.  
*Bilingue. CSI 21100.001. ISBN*  
0-662-56982-2  
MICROLOG 90-02401 2 fiche

Les responsabilités du ministère de l'Agriculture portent sur la plupart des aspects de la production, de la transformation et de la commercialisation des produits végétaux et animaux. En 1988-1989, l'agriculture canadienne a de nouveau subi de nombreuses pressions en raison de la guerre des subventions que se livrent toujours les États-Unis et la Communauté économique européenne. Aussi, le secteur agro-alimentaire a-t-il fait face à des défis de taille. Le cours des denrées les plus touchées par cette guerre a toutefois quelque peu remonté. Ce document présente le Rapport annuel d'Agriculture Canada pour l'année 1988-1989.  
AG CA SC

**Canada. Atomic Energy Control  
Board : Annual report 1988-89**

Ottawa : The Board, 1989. 40, 40 p. : ill.  
*Bilingual. CSI 22125.001. ISBN*  
0-662-56754-4  
MICROLOG 90-02952 1 fiche

Annual report of the Board, covering regulatory requirements and control; nuclear facilities from uranium mines to nuclear power plants to radioactive waste management; nuclear materials; compliance monitoring; safeguards and security; and international activities. An organizational chart and financial statement are included, as well as licensees for various types of facilities.  
CA EN NR PS SC

**Canada. Bureau de la politique de  
concurrence : Rapport annuel 1987-88**

Ottawa : Consommation et corporations Canada, 1989. ix, 91, ix, 87 p. Bibliogr. *Bilingue. CSI 21101.002. ISBN* 0-662-56324-7  
MICROLOG 90-05421 3 fiche

La Loi sur la concurrence a pour objet de contribuer à préserver et à favoriser une concurrence efficace au Canada. Ce rapport annuel pour l'exercice clos le 31 mars 1988 contient un résumé de la Loi sur la concurrence; des faits nouveaux concernant la Loi; ainsi que des résumés des activités, des poursuites criminelles et des enquêtes en cours, discontinuées ou terminées.  
CA CO PA ST

**Canada. Bureau du Commissaire aux  
langues officielles : Rapport annuel  
1989**

Ottawa : le Commissaire, 1990. iv, 304, iv, 278 p. : ill. Bibliogr. *Bilingue. CSI 22164.001. ISBN* 0-662-57215-7  
MICROLOG 90-03905 7 fiche

Ce document présente le Rapport annuel du Commissaire aux langues officielles qui se rapporte à l'année civile 1989. Il aborde les points suivants: le panorama 1989; une analyse de l'égalité dans les institutions fédérales; une évaluation de cinquante institutions; la chronique minoritaire; et l'enseignement de la langue seconde.  
CA PA ST

**Canada. Bureau of Competition  
Policy : Annual report 1987-88**

Ottawa : Consumer and Corporate Affairs Canada, 1989. ix, 87, ix, 91 p. Bibliogr. *Bilingue. CSI 21101.002. ISBN*  
0-662-56324-7  
MICROLOG 90-05421 3 fiche

The purpose of the Act is to maintain and encourage fair competition in Canadian corporations and businesses. The framework

of the Act includes measures for eliminating selected practices in restraint of trade, overcoming negative effects of concentration and provisions aimed at preventing misleading advertising and deceptive marketing techniques. The annual report contains summaries of major provisions of the Act and provides information on activities, proceedings and discontinued inquiries under jurisdiction of the Act.  
CA CO PA ST

**Canada. Bureaux d'examen de  
l'endettement agricole : Rapport  
annuel 1988**

Ottawa : les Bureaux, 1989. 16, 15 p.  
*Bilingue. CSI 22368.001. ISBN*  
MICROLOG 90-01640 1 fiche

Le document présente le rapport annuel sur l'endettement agricole. Il examine particulièrement les points suivants: l'historique; la structure et les lignes directrices; l'examen des activités, les activités des bureaux d'examen de l'endettement agricole; les estimés budgétaires révisés 1988-89, l'organigramme; et la composition actuelle des bureaux d'examen de l'endettement agricole.  
AG CA CO

**Canada. Commissaire à l'information  
du Canada : Rapport annuel 1988-89**

Ottawa : le Commissaire, 1989. 104, 91 p.  
*Bilingue. CSI 22336.001. ISBN*  
0-662-56807-9  
MICROLOG 90-00662 3 fiche

Ce rapport annuel sur l'information porte particulièrement sur la transparence gouvernementale et le premier palier de la procédure de révision. Il aborde également les retards tels les délais de réponse, les limites de temps, les prélèvements; les droits des tiers; les plaintes, exprimées en données statistiques; la terminologie; l'incidence des conclusions sur l'institution fédérale; les documents confidentiels du Cabinet; le sommaire des cas, les plaintes déposées à l'initiative du Commissaire; les demandes de renseignements; les présentations au public la révision par la cour Fédérale des faits saillants et des causes en détail, et la gestion intégrée.  
CA JU ST

**Canada. Commissaire à l'information  
du Canada : Rapport annuel 1989-90**

Ottawa : le Commissaire, 1990. 81, 74 p.  
*Bilingue. CSI 22236.001. ISBN*  
0-662-57515-6  
MICROLOG 90-05134 2 fiche

Ce rapport annuel renferme un sommaire des plaintes et décrit la nature des litiges ainsi que des poursuites engagées par le Commissaire. On y retrouve aussi une évaluation des répercussions de la Loi sur l'accès à l'information, les résultats de l'examen parlementaire et la réaction du gouvernement, de même que quelques observations sur ces sujets. Des données statistiques sur les plaintes exprimées sont aussi incluses.  
CA PA ST TE

**Canada. Commissaire à la protection  
de la vie privée du Canada :  
Rapport annuel 1989-90**

Ottawa : le Commissaire, 1990. 76, 63 p. : ill.  
*Bilingue. CSI 22195.001. ISBN*  
0-662-57525-3  
MICROLOG 90-06898 2 fiche

La Loi sur la protection des renseignements personnels donne aux individus accès à leurs renseignements personnels détenus par le gouvernement fédéral; protège la vie privée des individus en restreignant le nombre des personnes qui peuvent consulter les renseignements; et donne aux individus un certain contrôle sur la collecte et l'usage des renseignements par le gouvernement. Ce document présente le rapport annuel du



Commissaire à la protection de la vie privée qui couvre la période allant du 1er avril 1989 au 31 mars 1990.  
CA JU ST

**Canada. Commission d'appel de l'immigration : Rapport annuel 1988**

Ottawa : la Commission, 1989. 33, 32 p.  
*Bilingue. CSI 22149.001. ISBN 0-662-56611-4*  
MICROLOG 90-01307 1 fiche

Rapport annuel de la Commission d'appel de l'immigration, portant sur la période du 1er janvier 1988 au 31 décembre. Le document donne le profil de la Commission, l'organisation, le mandat, les obligations (appels, demandes et réexamens des revendications du statut de réfugié), les auditions ainsi que les décisions importantes de la Commission.  
CA EX ST

**Canada. Commission de contrôle de l'énergie atomique : Rapport annuel 1988-89**

Ottawa : la Commission, 1989. 40, 40 p. : ill.  
*Bilingue. CSI 22125.001. ISBN 0-662-56754-4*  
MICROLOG 90-02952 1 fiche

Ce document présente le rapport annuel de la Commission de contrôle de l'énergie atomique pour l'année se terminant le 31 mars 1989. Il porte principalement sur le contrôle et les exigences réglementaires; le fonctionnement, les installations nucléaires; la gestion des déchets radioactifs; les substances nucléaires; le contrôle de la conformité; les études normatives; les garanties et sécurité matérielle, les activités internationales; l'information publique, et, la gestion interne.  
CA EN NR PS SC

**Canada. Commission de l'immigration et du statut de réfugié : Rapport annuel 1989**

Ottawa : la Commission, 1990. 27, 25 p.  
*Bilingue. CSI 22359.001.*  
MICROLOG 90-04707 1 fiche

Document présentant le premier rapport annuel de la Commission de l'immigration et du statut de réfugié pour la période allant du 1er décembre 1989 au 31 décembre 1989. Son objet est de donner des renseignements sur la première année de fonctionnement de la Commission de l'immigration et du statut de réfugié (CISR). Le rapport traite également des principes situations qui influent sur la façon dont le Canada aborde le traitement des réfugiés au sens de la Convention dans le contexte international.  
CA EX

**Canada. Commission de la Capitale nationale : Rapport annuel 1988-89**

Ottawa : la Commission, 1989. 24 p. : ill.  
*Bilingue. Rapport financier (16, 16 p.) inclus. CSI 22250.001*  
MICROLOG 90-00911 1 fiche

Ce document a pour mandat de faire de la capitale un symbole de fierté nationale. Trois thèmes principaux guident la tâche de la CCN: fournir un lieu de rencontre national, faire connaître le Canada aux Canadiens et sauvegarder et conserver l'environnement naturel de la capitale ainsi que les aménagements qui y ont été réalisés. Ce rapport examine les activités de la CCN qui, au cours de la dernière année, ont visé à créer une nouvelle image de la capitale  
CA CU MU ON PA

**Canada. Communications Canada : Annual report 1988-89**

Ottawa : The Dept., 1990. 75, 77 p. : ill.  
*Bilingue. CSI 21102.002. ISBN 0-662-57190-8*  
MICROLOG 90-02601 2 fiche

Annual report of the Department, including highlights of the year's activities and a discussion of policy issues in telecommunications, radio, broadcasting, film, foreign investment in book publishing, status of the artist, museums, archaeology and copyright. Cross-Canada services and operations, research activities, support programs, and international activities are also described.  
CA SC ST TE

**Canada. Communications Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1990. 77, 75 p. : ill.  
*Bilingue. CSI 21102.002. ISBN 0-662-57190-8*  
MICROLOG 90-02601 2 fiche

Ce document présente le Rapport annuel du ministère des Communications pour l'année budgétaire se terminant le 31 mars 1989. On y fournit des renseignements sur les points suivants: les faits saillants; les dossiers politiques; les activités et les services pancanadiens; les activités de recherche; les programmes d'appui; les activités internationales, et, la gestion du ministère.  
CA SC ST TE

**Canada. Condition physique et sport amateur : Rapport annuel 1988-89**

Ottawa : le Ministère, 1989. 38, 34 p.  
*Bilingue. CSI 22146.001. ISBN 0-662-56755-2*  
MICROLOG 90-06146 1 fiche

Le mandat de ce ministère est de favoriser, promouvoir et développer la condition physique et le sport amateur au Canada. Ce rapport annuel porte principalement sur: une rétrospective de l'année, l'organisation de la condition physique et du sport amateur; la condition physique au Canada (domaines de compétence, divisions et programmes pour les femmes); Sport Canada (domaines de compétence, services et programmes spéciaux); la Direction des relations internationales; les programmes d'initiatives en matière du bilinguisme; les aides aux programmes; les dépensés pour l'année 1988-1989; et, le tableau des contributions.  
CA CU

**Canada. Conseil d'examen du prix des médicaments brevetés : Rapport annuel 1988-89**

Ottawa : le Conseil, 1989. 46, 46 p. : ill.  
*Bilingue. CSI 22365.001. ISSN 0847-4397*  
ISBN 0-662-57112-6  
MICROLOG 90-02274 2 fiche

Présente le rapport annuel du Conseil d'examen du prix des médicaments brevetés pour l'année fiscale qui s'est terminée le 31 mars 1989. Le rapport contient également des renseignements sur les activités du Conseil de sa création au 30 septembre 1989.  
CA CO HE ST

**Canada. Consommation et corporations Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1989. 42, 42 p. : ill.  
*Bilingue. CSI 21101.001. ISBN 0-662-56663-7*  
MICROLOG 90-02788 1 fiche

Ce document présente le rapport annuel du Ministère de la Consommation et des Corporations pour l'année financière terminée le 31 mars 1989. On y donne des renseignements sur les points suivants: l'aperçu de l'année financière 1988-89, les cadres du Ministère; le Bureau de la politique de concurrence; les bureaux de la consommation, des corporations et de la coordination des politiques; les services, les opérations régionales; le Bureau du Sous-registraire général adjoint du Canada; les sources des

recettes; et, les dépenses  
CA CO ST

**Canada. Consumer and Corporate Affairs Canada : Annual report 1988-89**

Ottawa : The Dept., 1989. 42, 42 p. : ill.  
*Bilingue. CSI 21101.001. ISBN 0-662-56663-7*  
MICROLOG 90-02788 1 fiche

The Dept.'s mission is to promote the fair and efficient operation of the marketplace. This annual report includes an overview of the 1988-89 fiscal year. It also includes Bureau reports, and reviews regional operations.  
CA CO ST

**Canada. Correctional Investigator : Annual report 1988-89**

Ottawa : The Investigator, 1990. 35, 36 p.  
*Bilingue. CSI 22134.001. ISBN 0-662-57642-X*  
MICROLOG 90-06882 1 fiche

This annual report contains statistics regarding complaints received and pending, institutions visited, inmate interviews and complaints resolved. Ten recommendations outstanding from the 1987-88 annual report are given, along with issues raised in 1988-89.  
CA JU ST

**Canada. Cour suprême : Rapport annuel 1988-89**

Ottawa : la Cour, 1989. 54 p. : ill. *Bilingue. CSI 21134.001. ISBN 0-662-57196-7*  
MICROLOG 90-03585 1 fiche

Ce rapport annuel 1988-89, qui vise la période 1989, explique le fonctionnement de la Cour et met en valeur certains des arrêts les plus importants de l'année. Il se penche particulièrement sur les membres de la Cour; les départs à la retraite, la procédure de la Cour; les points saillants des arrêts 1988-89; les traditions juridiques canadiennes; l'édifice de la Cour suprême; l'administration de la Cour; et, des statistiques.  
CA JU ST

**Canada. Dept. of External Affairs : Annual report 1987-88**

Ottawa : The Dept., 1988. viii, 93, viii, 109 p. : ill. *Bilingue. CSI 21103.001. ISBN 0-662-56289-5*  
MICROLOG 90-03348 3 fiche

This annual report presents an overview of Canada and world affairs, and covers the international economic environment; Canada and world trade, multilateral affairs and international co-operation, Canada's regional relationships, defence and collective security, protection of private interests; international law, communications and culture; and policy co-ordination, management, and administration.  
CA EX ST

**Canada. Dept. of Fisheries and Oceans : Annual report 1987-88**

Ottawa : The Dept., 1988. 38, 38 p. : ill.  
*Bilingue. CSI 21105.001. ISBN 0-662-56808-7*  
MICROLOG 90-02133 1 fiche

Annual report of the Department, giving an overview of the year as well as the objectives, mandate and organization. Highlights in science, fisheries and habitat management, federal/provincial relations, inspection, international relations, small craft harbours, and corporate and regulatory matters are presented. Work done in fisheries conservation, health and safety, environmental protection, oceans policy, and responses to free trade are also included.  
CA CF FI SC



**Canada. Dept. of Justice : Annual report 1988-89**

Ottawa : The Dept., 1989. vi, 63, vi, 68 p.  
Bibliogr. *Bilingual. CSI 21127.001.* ISSN  
0825-7442 ISBN 0-662-57319-6  
MICROLOG 90-04725 2 fiche

The Department of Justice reports on the activities of the Attorney General, who is responsible for the actual application of the law, and on the Ministry's activities, whose mandate is to concern itself with policy considerations underlying the law. The annual report overviews activities that include the Constitutional Accord of Meech Lake, Free Trade, revised statutes, child sexual abuse, and other legal legislation. The annual report also reviews caseloads of each associated branch of the Ministry which includes public law, human rights, civil litigation, and the Policy, Programs and Research Branch.  
• CA JU

**Canada. Dept. of the Secretary of State of Canada : Annual report 1988-89**

Ottawa : The Dept., 1990. 86, 90 p. : maps.  
*Bilingual. CSI 21120.001.* ISBN  
0-662-57219-X  
MICROLOG 90-07211 2 fiche

Some of the highlights of the year under review, described in detail in the annual report include the responsibilities of the Secretary and of the Minister Responsible for Multiculturalism, citizenship court activities, activities surrounding the first Annual National Citizenship Week, work on the Citizenship Act and on new multiculturalism legislation, a review of citizenship judge appointment procedures, amendments to the Official Languages Act, bilateral agreements with the provinces on minority language education and second language instruction, and other activities. Includes financial data.  
CA CU ED SA

**Canada. Direction générale du transport des marchandises dangereuses : Rapport annuel 1988-89**

Ottawa : la Direction, 1989. 23, 21 p. : ill.  
*Bilingue. CSI 21123.009.* ISBN  
0-662-56790-0  
MICROLOG 90-05084 1 fiche

Présente le rapport annuel de la Direction générale du transport des marchandises dangereuses du ministère des Transports pour l'année financière se terminant le 31 mars 1989. Les états financiers y sont également inclus.  
CA SC TR

**Canada. Director of Investigation and Research, Competition Act : Annual report 1985-86**

Ottawa : The Director, 1986. vi, 155 p.  
*CSI 21101.002.* ISBN 0-662-15053-8  
MICROLOG 90-00551 2 fiche

This annual report covers current developments, and reviews the Manufacturing Branch, the Resources Branch, the Services Branch, the Regulated Sector Branch, the Marketing Practices Branch, and the Economic Analysis and Policy Evaluation Branch.  
CA CO PA ST

**Canada. Director of Investigation and Research, Competition Act : Annual report 1986-87**

Ottawa : Consumer and Corporate Affairs Canada, 1987. vi, 159 p. *CSI 21101.002.*  
ISBN 0-662-15801-6  
MICROLOG 90-00884 2 fiche

This annual report presents an introduction and

summary of the Competition Act, reviews current developments, and includes branch reports.  
CA CO ST

**Canada. Division des hippodromes : Revue annuelle 1988**

Ottawa : la Division, 1989. 33, 33 p. : ill.  
*Bilingue. CSI 22366.001.* ISBN  
0-662-56732-3  
MICROLOG 90-01661 1 fiche

La Division des hippodromes dessert les parieurs et l'industrie des courses de chevaux. Elle veille à ce que les poules de pari soient distribuées de bonne foi et elle aide le secteur à conserver une bonne image de marque auprès du public et à demeurer économiquement viable. Ce document présente une revue annuelle de la Division des hippodromes pour l'année 1988.  
CA CU ST

**Canada. Emploi et immigration Canada : Rapport annuel 1988-89**

Ottawa : Emploi et immigration Canada, 1989. viii, 74, viii, 74 p. : ill. *Bilingue.*  
*CSI 22138.001.*  
MICROLOG 90-00468 2 fiche

Rapport annuel des activités de la Commission de l'emploi et de l'immigration du Canada et du ministère de l'Emploi et de l'Immigration pour l'année financière 1988-1989. Y sont traités les domaines suivants: les faits saillants; les Commissaires; un aperçu de la Commission et du Ministère; l'économie; le Ministre d'Etat à la jeunesse; les services d'emploi; la planification de l'emploi; l'assurance-chômage; l'immigration; les services généraux; et le rapport de gestion.  
CA LA SA ST

**Canada. Emploi et immigration Canada (Commission). Direction des rentes : Rapport annuel 1987-88**

Ottawa : la Direction, 1989. 11, 11 p. *Bilingue.*  
*CSI 22138.002.* ISBN 0-662-56482-0  
MICROLOG 90-01221 1 fiche

Présente le rapport annuel des rentes sur l'Etat ainsi que les états financiers pour la période du 1er avril 1987 au 31 mars 1988.  
CA CO LA

**Canada. Emploi et immigration Canada (Commission). Direction des rentes : Rapport annuel 1988-89**

Ottawa : la Direction, 1989. 11, 11 p. *Bilingue.*  
*CSI 22138.002.* ISBN 0-662-57220-3  
MICROLOG 90-03282 1 fiche

Présente le rapport annuel des rentes sur l'Etat, portant sur la période du 1er avril 1988 au 31 mars 1989. Le rapport a été établi en conformité avec l'article 18 de la Loi sur l'augmentation du rendement des rentes sur l'Etat.  
CA CO CU LA

**Canada. Employment and Immigration Canada : Annual report 1988-89**

Ottawa : Employment and Immigration Canada, 1989. viii, 74, viii, 74 p. : ill. *Bilingue.*  
*CSI 22138.001.*  
MICROLOG 90-00468 2 fiche

The Commission is responsible for all employment, unemployment insurance, and immigration programs. This annual report reviews employment services, the Canadian jobs strategy, unemployment insurance, immigration, and corporate services. It includes a statement of operations.  
CA LA SA ST

**Canada. Employment and Immigration Canada (Commission). Annuities Branch : Annual report 1987-88**

Ottawa : The Branch, 1989. 11, 11 p.  
*Bilingue. CSI 22138.002.* ISBN  
0-662-56482-0  
MICROLOG 90-01221 1 fiche

This annual report contains workload statistics, financial statements, and tabular information on the valuation of government annuities.  
CA CO LA

**Canada. Employment and Immigration Canada (Commission). Annuities Branch : Annual report 1988-89**

Ottawa : The Branch, 1989. 11, 11 p.  
*Bilingue. CSI 22138.002.* ISBN  
0-662-57220-3  
MICROLOG 90-03282 1 fiche

Contains an historical background, workload statistics, mortality experience, and centenarians. It also provides financial statements.  
CA CO CU LA

**Canada. Energie, mines et ressources Canada : Rapport annuel 1985-86**

Ottawa : le Ministère, 1987. 44, 44 p. : ill.  
*Bilingue. CSI 21110.001.* ISBN  
0-662-55220-2  
MICROLOG 90-00552 1 fiche

Le ministère explore la masse continentale du Canada, administre les travaux de recherche-développement en matière de technologie reliée à l'énergie et aux ressources minérales, et voit à la mise en oeuvre de politiques et de programmes qui visent à assurer la mise en valeur et la gestion des ressources minérales et pétrolières du Canada. Ce rapport donne le résumé des activités et des administrations de ces secteurs.  
CA EN NR PS SC

**Canada. Energie, mines et ressources Canada : Rapport annuel 1986-87**

Ottawa : le Ministère, 1988. 46, 41 p. : ill.  
*Bilingue. CSI 21110.001.* ISBN  
0-662-56149-X  
MICROLOG 90-00883 2 fiche

Le ministère explore la masse continentale du Canada, administre les travaux de recherche-développement en matière de technologie reliée à l'énergie et aux ressources minérales, et voit à la mise en oeuvre de politiques et de programmes qui visent à assumer une mise en valeur équitable et une saine gestion des ressources minérales et pétrolières du Canada. Ce document présente les faits saillants de l'année, les programmes de l'énergie, des minéraux, des sciences de la terre et de l'administration, ainsi que des données sur les sociétés d'état et les organismes. Le document présente également les états financiers.  
CA EN NR PS SC

**Canada. Energie, mines et ressources Canada : Rapport annuel 1987-88**

Ottawa : le Ministère, 1989. 46, 40 p. : ill.  
*Bilingue. CSI 21110.001.* ISBN  
0-662-56665-3  
MICROLOG 90-02945 2 fiche

Ce document présente le Rapport annuel du ministère de l'Energie, des Mines et des Ressources pour l'année financière se terminant le 31 mars 1988. Il examine les programmes suivants: le programme des minéraux et des sciences de la Terre, le programme de l'énergie; le programme de l'administration; les sociétés d'état, et les organismes.  
CA EN NR PS SC



**Canada. Energie, mines et ressources Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1990. 58, 47 p. : ill.  
*Bilingue. CSI 21110.001. ISBN 0-662-57267-X*  
 MICROLOG 90-06155 2 fiche

Energie, Mines et Ressources Canada explore la masse continentale du Canada, dirige des travaux de recherche et de développement et poursuit des politiques et des programmes visant à assurer l'emploi de méthodes de mise en valeur et d'extraction sûres qui respectent l'environnement. Le document porte principalement sur les programmes des minéraux et des sciences de la Terre dans les secteurs de la politique minérale et de la technologie des minéraux et de l'énergie, le programme de l'énergie dans le secteur des programmes et de l'administration du pétrole et du gaz des terres du Canada; le programme de l'administration dans le secteur de la politique globale et des communications et du secteur des finances et de l'administration, et, les sociétés d'état et les organismes.  
 CA EN NR SC

**Canada. Energy, Mines and Resources Canada : Annual report 1985-86**

Ottawa : The Dept., 1987. 44, 44 p. : ill.  
*Bilingual. CSI 21110.001. ISBN 0-662-55220-2*  
 MICROLOG 90-00552 1 fiche

This annual report includes a departmental profile, 1985-86 highlights, a review of the energy program, the minerals and earth sciences program, the administration program, and Crown corporations and agencies. It lists regional offices.  
 CA EN NR PS SC

**Canada. Energy, Mines and Resources Canada : Annual report 1986-87**

Ottawa : The Dept., 1988. 41, 46 p. : ill.  
*Bilingual. CSI 21110.001. ISBN 0-662-56149-X*  
 MICROLOG 90-00883 2 fiche

Annual report presenting information on the department, highlights of the year's activities, and more detailed information on programs in energy, and minerals and earth sciences. A list of Crown corporations responsible to the Department, as well as the regional offices are given. A financial summary is included.  
 CA EN NR PS SC

**Canada. Energy, Mines and Resources Canada : Annual report 1987-88**

Ottawa : The Dept., 1989. 40, 46 p. : ill.  
*Bilingual. CSI 21110.001. ISBN 0-662-56665-3*  
 MICROLOG 90-02945 2 fiche

Annual report of Energy, Mines and Resources Canada, covering the year's activities in mineral policy; Geological Survey of Canada; mineral and energy technology; surveys, mapping and remote sensing; energy policy; energy programs, energy commodities; Canada Oil and Gas Lands Administration; and Crown corporations and agencies.  
 CA EN NR PS SC

**Canada. Energy, Mines and Resources Canada : Annual report 1988-89**

Ottawa : The Dept., 1990. 47, 58 p. : ill.  
*Bilingual. CSI 21110.001. ISBN 0-662-57267-X*  
 MICROLOG 90-06155 2 fiche

Annual report of the Dept., which explores

Canada's landmass, conducts R&D and pursues policies and programs to ensure the development of energy and mineral resources in safe, efficient, and environmentally responsible ways. This report gives details on activities undertaken during the year in mineral policy, mineral and energy technology, mapping, surveys and remote sensing, Geological Survey of Canada, energy, Canada Oil and Gas Lands Administration, and programs sectors. Activities in these sectors included the acid rain abatement program, the provincial-federal mineral development agreements, safe use of asbestos, coal utilization, mine safety, offshore mining and energy efficiency and diversity. A financial summary is included.  
 CA EN NR SC

**Canada. Enquêteur correctionnel : Rapport annuel 1988-89**

Ottawa : l'Enquêteur, 1990. 36, 35 p. *Bilingue. CSI 22134.001. ISBN 0-662-57642-X*  
 MICROLOG 90-06882 1 fiche

Le 7 décembre 1988, une très importante modification élargissant les pouvoirs de l'Enquêteur correctionnel a été apportée à la commission nommant ce dernier. Il est désormais responsable de faire enquête sur des problèmes touchant la surveillance des détenus qui sortent des pénitenciers en vertu d'une permission de sortir, d'une semi-liberté, d'une libération conditionnelle ou liberté surveillée, problèmes qui relèvent de la compétence du Solliciteur général du Canada. En plus de fournir le rapport annuel de l'Enquêteur correctionnel pour l'année 1988-1989, ce document fournit dans l'annexe A le texte du mandat qui existait avant le 7 décembre 1988, tandis que la version modifiée constitue l'Annexe B.  
 CA JU ST

**Canada. Environmental Protection Service. Western and Northern Region : Annual review 1987-88**

Regina : The Region, 1988. 37 p. : ill.  
*CSI 22395.001. ISBN 0-662-57420-6*  
 MICROLOG 90-06297 1 fiche

This report describes the organization, mandate and achievements of Conservation and Protection, Western and Northern Regions, which includes Northwest Territories, Alberta, Saskatchewan and Manitoba. Reviews activities in the three sub-groups belonging to the Service. Environmental Protection covers the Canadian Environmental Protection Act, Environmental Quality and Scientific Programs branches and district offices of each province. Inland Waters covers interjurisdictional water management, flood damage reduction, water quality and quantity management, land conservation, toxic chemicals and environmental assessment and baseline studies. Finally, the Canadian Wildlife Services discusses threatened species, migratory bird studies and migratory birds management. Telephone numbers and addresses conclude the document.  
 • AL CA EN EV MS NO SC

**Canada. External Affairs and International Trade Canada : Annual report 1988-89**

Ottawa : The Dept., 1989. viii, 96, viii, 109 p. : ill. *Bilingual. CSI 21103.001. ISBN 0-662-57083-9*  
 MICROLOG 90-05409 3 fiche

Annual report for the 1988-89 fiscal year giving an overview of world affairs and the activities of the Department. Reviews Canada's international relations, and analyses the international economic picture and the importance of world trade to Canada. Also gives information on defence and collective security, protection of private interests, international law, and communications and culture.  
 CA EX ST

**Canada. Farm Debt Review Boards : Annual report 1988**

Ottawa : The Boards, 1989. 15, 16 p.  
*Bilingual. CSI 22368.001. ISBN 0-662-57267-X*  
 MICROLOG 90-01640 1 fiche

Annual report of the Board, established in 1986 for each province to ensure that farm operations in financial difficulty, or actually facing a farm foreclosure situation, have access to an impartial third-party review of individual farm circumstances and possible financing/re-financing options. This report covers the structure and guidelines, a review of operations, the year's activities, current composition of the Boards, and budgetary estimates. An organizational chart is included.  
 AG CA CO

**Canada. Fitness and Amateur Sport : Annual report 1988-89**

Ottawa : The Ministry, 1989. 34, 38 p.  
*Bilingual. CSI 22146.001. ISBN 0-662-56755-2*  
 MICROLOG 90-06146 1 fiche

The Dept.'s mandate is to promote, encourage and develop fitness and amateur sport in Canada. This annual report outlines the major activities and accomplishments of the Dept., namely through Fitness Canada and Sport Canada. It includes an International Relations Directorate and reports on bilingual initiatives. It lists expenditures and presents a summary of contributions.  
 CA CU

**Canada. Forestry Canada. Newfoundland and Labrador Region : Program review 1988-89**

St. John's : The Region, 1989. vii, 59 p. : ill.  
*Bibliogr. CSI 22397.001. ISSN 0847-5539. ISBN 0-662-17483-6*  
 MICROLOG 90-06878 1 fiche

Annual report of the Centre, covering the year's activities in forest resources and environmental research, forest protection research, forestry development, economics, and communications. Highlights are given, among them a new federal/provincial memorandum of agreement and the initiation of a major strategic planning exercise to improve service to clients through development of more focused R&D programs. A summary of expenditures is given, as well as a list of publications and an organization chart.  
 • AP CA FO SC

**Canada. Forestry Canada : Annual report 1988-89**

Ottawa : The Dept., 1990. iv, 19, iv, 19 p.  
*Bilingual. CSI 22189.018. ISBN 0-662-57420-6*  
 MICROLOG 90-06930 1 fiche

Annual report of the Department, describing its mandate, the Minister's responsibilities, and its organizational structure and functions. An overview of the year's activities in wood supply, international affairs, regional and forestry development, and sustainable development is given, as well as the highlights of the year and annual expenditures.  
 CA FO SC

**Canada. Forêts Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1990. iv, 19, iv, 19 p.  
*Bilingue. CSI 22189.018. ISBN 0-662-57420-6*  
 MICROLOG 90-06930 1 fiche

Ce document présente le rapport du Service canadien des forêts pour l'année financière se terminant le 31 mars 1989. Il donne des renseignements sur la mission, le mandat et les responsabilités du ministère, les structures et fonctions; les initiatives stratégiques, les activités de l'année telles les réserves de bois.



le développement régional et le développement de la foresterie, le développement durable de la forêt, les communications et les initiatives au chapitre des ressources humaines; les faits saillants de l'année; les dépenses annuelles; et, les centres et instituts forestiers.  
CA FO SC

**Canada. Health and Welfare Canada : Annual report 1987-89 : plan of action 1985-90, based on the Nairobi Forward-Looking Strategies for the Advancement of Women to the Year 2000**

Ottawa : The Dept., 1990. vi, 115 p. Bibliogr. Bibliogr. CSI 21112.019. ISBN 0-662-57007-3  
MICROLOG 90-06556 2 fiche

Third annual report on Canada's new Plan of Action. Covers the year ending 31 July, 1989. Discusses the scope and details of the Plan and issues of income security programs; support services to assist families and individuals; family violence, violence against women and children; support for voluntary and women's organizations; family health, women's health promotion, research, reproduction, occupational and environmental health; physical activity and sport; native, immigrant and visible minority women; international activities and equity in employment. Highlights the 100 initiatives outlined in the Plan of Action as undertaken by the Office of the Senior Adviser Status of Women in the initial phase of the Action Plan.  
CA CI SA ST

**Canada. Health and Welfare Canada : Annual report 1988-89**

Ottawa : The Dept., 1989. 50, 57 p. Bilingual. CSI 21112.001. ISBN 0-662-56913-X  
MICROLOG 90-02136 2 fiche

This annual report provides an overview of the Department branches; Health Protection; Income Security Programs; Medical Services; Social Services; Health Services and Promotion; Corporate Management; Policy, Communications and Information and Intergovernmental and International Affairs. Also includes reports from the Fitness and Amateur Sport program; Senior Advisor, Status of Women; Principal Nursing Officer; National Council of Welfare; National Advisory Council on Aging and Review of Demography and its Implications for Economic and Social Policy. A review of operations from each area is included.  
CA HE

**Canada. Immigration and Refugee Board : Annual report 1989**

Ottawa : The Board, 1990. 25, 27 p. Bilingual. CSI 22359.001. ISBN 0-662-56808-7  
MICROLOG 90-04707 1 fiche

The purpose of this annual report is to acquaint Parliament with the results of the Board's first year of operation. It also outlines the major issues as they affect Canada's approach to dealing with Convention refugees in the international context.  
CA EX

**Canada. Immigration Appeal Board : Annual report 1988**

Ottawa : The Board, 1989. 32, 33 p. Bilingual. CSI 22149.001. ISBN 0-662-56611-4  
MICROLOG 90-01307 1 fiche

The Board makes available to certain categories of persons who have been denied entry to or ordered removed from Canada, or to Canadian citizens and permanent residents whose relatives have been refused landing in Canada by officials of Employment and Immigration Canada, an independent court to which such decisions may be appealed on both legal and equitable grounds. This annual report provides a review of the Board's

activities throughout the year.  
CA EX ST

**Canada. Indian and Northern Affairs Canada : Annual report 1988-89**

Ottawa : The Dept., 1989. iv, 68, iv, 69 p. : ill. Bilingual. CSI 21113.001. ISBN 0-662-57007-3  
MICROLOG 90-02944 2 fiche

The Department provides a broad range of services to Canada's Indians and Inuit aimed at improving their overall social and economic conditions and advancing the cause of self-government. The Department also promotes the economic and political development of the Yukon and Northwest Territories and coordinates federal activities in the North. This annual report details activities that were directed at Indian self-government, economic development for Aboriginal people and the northern communities, increasing quality of life for Indians and Inuit communities across Canada, better management of Indian land and monies, the transfer of provincial-type responsibilities to northern governments, and contributions to the affirmation of Arctic sovereignty.  
CA NO NP

**Canada. Information Commissioner of Canada : Annual report 1988-89**

Ottawa : The Commissioner, 1989. 91, 104 p. Bilingual. CSI 22236.001. ISBN 0-662-56807-9  
MICROLOG 90-00662 3 fiche

This annual report discusses open government, the first tier of the review process, and delays. It also includes complaints by number, case summaries, self-initiated complaints, enquiries, and a federal court review.  
CA JU ST

**Canada. Information Commissioner of Canada : Annual report 1989-90**

Ottawa : The Commissioner, 1990. 74, 81 p. Bilingual. CSI 22236.001. ISBN 0-662-57515-6  
MICROLOG 90-05134 2 fiche

The Information Commissioner's goal is to increase access to all government information possible. This report opens with a look at the difficulties of the Commissioner and future prospects for the office. It goes on to summarize complaints and litigation, and it covers complaints by number and the terminology, cabinet confidences, case summaries, enquiries, public appearances, federal court review, and corporate management. Includes an organization chart, and exemptions and exclusions under the Access to Information Act.  
CA PA ST TE

**Canada. Labour Canada : Annual review 1988-89**

Ottawa : The Dept., 1989. 87 p. : ill. Bilingual. CSI 21114.001. ISBN 0-662-57007-3  
MICROLOG 90-02256 1 fiche

The Department's mandate covers labour issues in enterprises that are interprovincial or international in scope, some 40 Crown corporations, and those industries that Parliament has designated as being for the general advantage of Canadians. This annual review presents information on the structure of the Department, fair and safe workplaces, ensuring occupational safety and health, workplace hazardous material, conditions of work, equal pay, and labour education. It also includes regional information.  
CA LA

**Canada. Ministère de la justice : Rapport annuel 1988-89**

Ottawa : le Ministère, 1989. vi, 68, vi, 63 p. Bibliogr. Bilingual. CSI 21127.001. ISSN 0825-7442. ISBN 0-662-57319-6  
MICROLOG 90-04725 2 fiche

Le mandat du ministère de la Justice du Canada est de fournir au gouvernement du Canada et à ses ministères tous les services juridiques dont ils ont besoin. Ce rapport annuel pour l'année 1988-89 contient le mandat, une vue d'ensemble des activités et l'organigramme. On fournit ensuite les rapports des composantes du Ministère incluant entre autres: la Direction du contentieux des affaires civiles, la Direction du droit fiscal, le Secteur du droit public, les services juridiques des ministères, le Secteur de la politique, des programmes et de la recherche, et le Secteur de la gestion.  
• CA JU

**Canada. Ministère des affaires extérieures : Rapport annuel 1987-88**

Ottawa : le Ministère, 1988. viii, 103, viii, 93 p. : ill. Bilingual. CSI 21103.001. ISBN 0-662-56289-5  
MICROLOG 90-03348 3 fiche

Ce document présente le rapport annuel du ministère des Affaires extérieures. Il rend compte des activités du Ministère au cours de l'année financière. On y examine les domaines suivants, le Canada et le monde; l'environnement économique international; le Canada et le commerce mondial; les affaires multilatérales et la coopération internationale, les relations régionales du Canada, la défense et la sécurité collective; la protection des intérêts privés; le droit international; les communications et la culture; et, la coordination de la politique, des systèmes de gestion et de l'administration.  
CA EX ST

**Canada. Ministère des affaires extérieures et commerce extérieur : Rapport annuel 1988-89**

Ottawa : le Ministère, 1989. viii, 109, viii, 96 p. : ill. Bilingual. CSI 21103.001. ISBN 0-662-57083-9  
MICROLOG 90-05409 3 fiche

Rapport annuel pour l'année financière 1988-89 traçant les grandes lignes des événements mondiaux et des activités du Ministère durant l'année. Fait le bilan des relations du Canada avec les autres pays et analyse le contexte économique international, ainsi que l'importance du commerce extérieur pour le Canada. Fournit aussi des informations sur les affaires multilatérales et la coopération internationale, les intérêts régionaux du Canada, la défense et la sécurité collective, la protection des intérêts privés, le droit international, la communication et la culture, ainsi que sur la coordination de la politique.  
CA EX ST

**Canada. Ministère des pêches et des océans : Rapport annuel 1987-88**

Ottawa : le Ministère, 1988. 38, 38 p. : ill. Bilingual. CSI 21105.001. ISBN 0-662-56808-7  
MICROLOG 90-02133 1 fiche

L'objectif du ministère des Pêches et des Océans consiste à mettre en oeuvre des politiques et des programmes visant à appuyer les intérêts économiques, écologiques et scientifiques du Canada dans ses eaux océaniques et intérieures, assurer la conservation, la mise en valeur et l'utilisation économique et soutenue des ressources halieutiques dans les eaux marines et douces dans l'intérêt des personnes dont le mode de subsistance dépend de ces ressources ou de celles qui en tirent profit et coordonner les politiques et les programmes du gouvernement canadien concernant les océans. Ce document fournit le rapport annuel du ministère pour l'année se terminant le 31 mars 1988.  
CA CF FI SC



**Canada. National Capital Commission : Annual review 1988-89**

Ottawa : The Commission, 1989. 24 p. : ill. *Bilingual. Financial statement (16, 16 p.) laid in.* CSI 22250.001  
MICROLOG 90-00911 1 fiche

This annual report reviews the activities of the Commission during the year. It includes a financial review.  
CA CU MU ON PA

**Canada. National Energy Board : Annual report 1989**

Ottawa : The Board, 1990. 135 p. : ill., maps. CSI 22158.001. ISBN 0-662-17611-1  
MICROLOG 90-05403 2 fiche

Annual report of the Board, giving information on energy developments (crude oil, petroleum products, natural gas, and electricity), hearings and inquiries held by the Board, legislative and regulatory changes, functions and responsibilities, organization of the Board, and reasons for decisions made. A list of companies under the Board's jurisdiction, including oil and gas pipelines, gas export licence holders, and electric power licence holders is included.  
CA EN SC ST

**Canada. Northern Pipeline Agency : Annual report 1988-89**

Ottawa : The Agency, 1989. 14, 14 p. *Bilingual.* CSI 22159.001. ISBN 0-662-55616-X  
MICROLOG 90-02763 1 fiche

Annual report of the Agency, consisting of an overview of the Alaska highway gas pipeline project and operation of the prebuilt pipeline and development of plans for major expansions, including transportation to market of Canadian gas from the Mackenzie Delta region, a solution to the continuing dispute between Pan-Alberta and United, extension of existing Canadian gas exports through the prebuild and provision of access for a new shipper, and operations of the Canadian and U.S. regulatory agency responsible for the pipeline. A financial statement is included.  
CA EN NO SC

**Canada. Office de stabilisation des prix agricoles : Rapport annuel 1988-89**

Ottawa : l'Office, 1989. 51, 47 p. *Bilingue.* CSI 22100.001.  
MICROLOG 90-00890 2 fiche

L'Office est un établissement public qui administre les paiements d'appoint émis sur la stabilisation des prix agricoles, les autres paiements spéciaux autorisés, ainsi que les paiements de stabilisation émis conformément aux ententes nationales tripartites signées par le ministre de l'Agriculture et soumis à l'autorité du Gouverneur en Conseil. Son but principal est de réduire le risque de perte de revenu à court terme à cause de la baisse des prix des produits ou de l'augmentation des coûts. Le document porte sur les produits dénommés et désignés, les plans nationaux tripartites de stabilisation des prix, le sommaire des paiements ainsi que les frais administratifs.  
AG CA CO ST

**Canada. Office des prix des produits de la pêche : Rapport annuel 1988-89**

Ottawa : l'Office, 1989. 24, 24 p. *Bilingue.* CSI 22145.001. ISBN 0-662-56917-2  
MICROLOG 90-00721 1 fiche

La Loi sur le soutien des prix des produits de la pêche, entrée en vigueur en 1947, confère à l'Office des prix des produits de la pêche les pouvoirs officiels d'une société d'État. L'Office a pour tâche d'enquêter sur les prix des produits de la pêche et, s'il y a lieu, de recommander des mesures déjà prévues par

la Loi en cas de chute des prix. Essentiellement, les mesures législatives servent à protéger les pêcheurs de baisses trop rapides de prix et des pertes de revenus qui s'ensuivent, baisses dont les causes échappent au contrôle des pêcheurs ou des producteurs. Sous réserve d'une approbation du Gouverneur en conseil, l'Office a le pouvoir d'acheter les produits de la pêche à des prix prescrits, de les vendre ou d'en disposer autrement, ou de verser aux producteurs des montants compensatoires équivalant à la différence qui existe entre le prix prescrit et le prix moyen auquel ces produits sont vendus. Ce document donne des renseignements sur l'industrie canadienne de la pêche en 1988, la transformation et la commercialisation et les activités de l'Office des prix des produits de la pêche.  
• CA CO FI SC ST

**Canada. Office des produits agricoles : Rapport annuel 1988-89**

Ottawa : l'Office, 1989. 13, 13 p. *Bilingue.* CSI 22101.001.  
MICROLOG 90-00892 1 fiche

Le rapport annuel de l'Office présente les faits saillants en ce qui a trait aux légumes en conserves (1980), aux raisins de l'Ontario (1986-88) et au sirop d'érable (1988). S'y trouvent également annexés les états financiers de l'Office des produits agricoles et le rapport du Vérificateur général du Canada pour l'année se terminant le 31 mars 1989.  
AG CA CO

**Canada. Office national de l'énergie : Rapport annuel 1989**

Ottawa : l'Office, 1989. 141 p. : ill. CSI 22158.001. ISBN 0-662-95935-3  
MICROLOG 90-04249 2 fiche

Les mandats de l'Office sont de délivrer des licences d'exportation de pétrole, de gaz naturel et d'électricité; d'accorder des certificats visant les pipelines interprovinciaux et internationaux et les lignes internationales et interprovinciales désignées de transport d'électricité; et d'établir les droits et tarifs concernant les oléoducs et les gazoducs de compétence fédérale. Ce rapport annuel pour 1989 fait le bilan de l'évolution de la situation énergétique et trace les grandes lignes des activités de l'Office. Inclut aussi les changements apportés à la loi et aux règlements régissant les activités de l'Office; la liste des fonctions et des responsabilités de l'Office, les motifs de décision; ainsi que des données statistiques.  
CA EN SC ST

**Canada. Office of the Commissioner of Official Languages : Annual report 1989**

Ottawa : The Commissioner, 1990. iv, 278, iv, 304 p. : ill. *Bilingual.* CSI 22164.001. ISBN 0-662-57215-7  
MICROLOG 90-03905 7 fiche

Describe the three main goals of the Commission in incorporating both French and English into the cultural identity of Canada. These goals are: the equality that is proclaimed by the Constitution and the Official Languages Act; the quality of service, education and financial management all citizens are entitled to receive from government; and continuity of programs as well as consistency of motivations to ensuring the existence of these programs. The report discusses official languages from a national agenda perspective, with a look at affairs of state, language rights, government policies and programs, and the work of the Standing Joint Committee. Analyses equality of services to the public, and the right to work in the language of one's choice. The report also evaluates equality of language rights in federal institutions and gives an overview and a province-by-province review of minorities. Also discusses the promotion of second-language

instruction in public schools and post-secondary educational institutions. Appendices include a review of activities for the year and plans for the coming year; complaints, statistics, audit reports and publications list; and, new linguistic profiles from the census.  
CA PA ST

**Canada. Office of the Superintendent of Financial Institutions : Annual report 1989**

Ottawa : The Office, 1989. viii, 24, viii, 26 p. : ill. *Bilingual.* CSI 22170.002. ISBN 0-662-56236-4  
MICROLOG 90-00504 1 fiche

The Superintendent is responsible for regulating and supervising banks, insurance, trust, loan and investment companies, and co-operative credit associations that are licensed or registered by the federal government, and for supervising federally regulated pension plans. This annual report discusses regulation in the 1990s, and the supervision of the federally regulated financial institutions.  
CA CO

**Canada. Patented Medicine Prices Review Board : Annual report 1988-89**

Ottawa : The Board, 1989. 46, 46 p. : ill. *Bilingual.* CSI 22365.001. ISSN 0847-4397  
ISBN 0-662-57112-6  
MICROLOG 90-02274 2 fiche

First annual report of the Board, which reviews patented medicine prices charged by the patentee in order to ensure that these prices are not excessive, and reports on the price trends of medicines in general and on the research and development-to-sales ratio of individual patentees and of the industry as a whole. This report covers the period from its creation on December 7, 1987 to the fiscal year ending March 31, 1989. The report gives the mandate of the Board, its jurisdiction, and a definition of the meaning of patent in relation to medicines; the regulatory approach, policy development and major initiatives; price trends; compliance with the guidelines and data filing requirements; patentee revenues and R&D expenditures; and a structure of the Board. Financial data is included.  
CA CO HE ST

**Canada. Prairie Farm Rehabilitation Administration : Annual report 1988-89**

Ottawa : The Administration, 1989. 40, 40 p. : ill., maps. *Bilingual.* CSI 22234.001. ISSN 0829-1772 ISBN 0-662-57608-X  
MICROLOG 90-07097 1 fiche

The Administration provides technical and financial assistance to farmers, local governments, and other federal and provincial agencies for soil conservation and water development projects. The annual report includes activities of rural water development, community pastures, tree distribution, irrigation rehabilitation and projects, the South Saskatchewan River Project, agricultural community water infrastructure and activities carried under interim subsidiary agreements (Manitoba and Saskatchewan). Includes reports on soil conservation projects for each of the prairie provinces, and activities carried on in cooperation with outside agencies.  
AG CA SC ST

**Canada. Privacy Commissioner of Canada : Annual report 1989-90**

Ottawa : The Commissioner, 1990. 63, 76 p. : ill. *Bilingual.* CSI 22195.001. ISBN 0-662-57525-3  
MICROLOG 90-06898 2 fiche

The Commissioner examines any file, except confidences of the Queen's Privy Council, to ensure that government institutions are



complying with the Privacy Act. This annual report outlines the major activities and accomplishments of the Commission in 1989-90, including the Complaints Directorate and the Compliance Directorate. An organizational chart and list of government institutions covered by the Act, conclude this report.  
CA JU ST

**Canada. Public Works Canada : Annual report 1988-89**

Ottawa : The Dept., 1989. 37, 39 p. : ill. *Bilingual. CSI 21118.001.* ISBN 0-662-56732-3  
MICROLOG 90-02135 2 fiche

The Department operates primarily as a common service organization, providing design, construction and other realty services to government institutions, departments and agencies. This annual report reviews the Department's activities over the year, and includes regional reports, and financial and operational data.  
CA PW

**Canada. Race Track Division : Annual review 1988**

Ottawa : The Division, 1989. 33, 33 p. : ill. *Bilingual. CSI 22366.001.* ISBN 0-662-56732-3  
MICROLOG 90-01661 1 fiche

The Race Track Division protects the betting public by ensuring that betting pools are distributed honestly and helps the industry maintain a good image and remain economically viable. This annual report reviews the activities of the Division's Services such as photo finish, race patrol, equine drug evaluation, and pari-mutuel supervision. It also provides financial statements.  
CA CU ST

**Canada. Road Safety : Annual report 1988**

Ottawa : The Directorate, 1989. iv, 41, iv, 47 p. : ill. *Bibliogr. Bilingual. CSI 22291.001.* ISBN 0-662-56945-8  
MICROLOG 90-02576 2 fiche

Annual report of the Directorate, giving highlights of the year's activities and information on traffic safety standards and research and vehicle safety and energy operations. Traffic safety includes compatibility with foreign standards of safety, amendments to the Motor Vehicle Safety Regulations, the use of daytime running lights, occupant protection, safety in heavy trucks, the Canadian light truck and van safety study, impaired driving, energy R&D and a fuel consumption survey. The vehicle safety branch covers inspection, component testing, importation, public complaints, recalls, regulatory development, energy conservation, and testing.  
CA SC ST TR

**Canada. Santé et bien-être social Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1989. 57, 50 p. *Bilingue. CSI 21112.001.* ISBN 0-662-56913-X  
MICROLOG 90-02136 2 fiche

Ce document présente le Rapport annuel du ministère de la Santé nationale et du Bien-être social pour l'année financière terminée le 31 mars 1989  
CA HE

**Canada. Secrétariat d'Etat du Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1990. 90, 86 p. : cartes géogr. *Bilingue. CSI 21120.001.* ISBN 0-662-57219-X  
MICROLOG 90-07211 2 fiche

Ce document contient le rapport annuel du Secrétariat d'Etat du Canada pour l'année 1987-1988. Les éléments suivants sont inclus. l'administration du personnel, l'aide à l'éducation, la citoyenneté, les langues officielles, le

multiculturalisme, les opérations régionales, les politiques ministérielles et les affaires publiques, les pratiques de gestion, ainsi que le rapport des dépenses de fonctionnement et celui des subventions et contributions.  
CA CU ED SA

**Canada. Secteur des levés, de la cartographie et de la télédétection : Revue annuelle 1988-89**

Ottawa : le Secteur, 1989. 22, 22 p. : ill. *Bilingue. CSI 21110.003.* ISBN 0-622-57167-3  
MICROLOG 90-05122 1 fiche

Ce document présente la revue annuelle du Secteur des levés, de la cartographie et de la télédétection. Elle porte sur les levés, la cartographie, la télédétection et l'élaboration de systèmes d'information géographique, essentiels à la présentation de l'information géographique sous ses formes les plus facilement utilisables: fichiers et graphiques numériques, cartes, photographies aériennes et images satellites.  
• CA NR PS SC

**Canada. Sécurité routière : Rapport annuel 1988**

Ottawa : la Direction, 1989. iv, 47, iv, 41 p. : ill. *Bibliogr. Bilingue. CSI 22291.001.* ISBN 0-662-56945-8  
MICROLOG 90-02576 2 fiche

Le document présente le rapport annuel pour l'année 1988 de la sécurité routière. Il trace le rôle de la Direction et fournit des détails sur les programmes de cette dernière qui visent à accroître la sécurité des véhicules automobiles au Canada. De plus, il donne des renseignements sur la Direction des normes et recherches relatives à la sécurité routière, la Direction des activités relatives à la sécurité des véhicules automobiles et à l'énergie, et la Direction de la planification et des activités régionales.  
CA SC ST TR

**Canada. Solicitor General Canada : Annual report 1988-89**

Ottawa : The Dept., 1990. 71, 75 p. : ill. *Bilingue. CSI 21121.001.* ISBN 0-662-57150-9  
MICROLOG 90-05518 2 fiche

The Ministry brings together the major operational elements of the federal government concerned with the administration of the criminal justice system through four of its major agencies: the RCMP, the Correctional Service of Canada, the National Parole Board, and the Canadian Security Intelligence Service. For each agency, the annual report reviews mandates, organizational format, policies, and workloads for the year  
CA JU ST

**Canada. Solliciteur général Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1990. 75, 71 p. : ill. *Bilingue. CSI 21121.001.* ISBN 0-662-57150-9  
MICROLOG 90-05518 2 fiche

Le Ministère regroupe les principaux éléments opérationnels du gouvernement fédéral qui s'occupent de l'administration du système de justice pénale. Ce rapport annuel pour l'année 1988-89 expose les structures, les programmes et les priorités du Ministère. Les organismes suivants sont présentés: le Secrétariat, la Gendarmerie royale du Canada, la Commission nationale des libérations conditionnelles, le Service correctionnel du Canada et le Service canadien du renseignement de sécurité.  
CA JU ST

**Canada. Supreme Court : Annual report 1988-89**

Ottawa : The Court, 1989. 54 p. : ill. *Bilingue. CSI 21134.001.* ISBN 0-662-57196-7  
MICROLOG 90-03585 1 fiche

This annual report explains the court's operation, and highlights some of the many significant cases it decided in the past year.  
CA JU ST

**Canada. Surveys, Mapping and Remote Sensing Sector : Annual review 1988-89**

Ottawa : The Sector, 1989. 22, 22 p. : ill. *Bilingue. CSI 21110.003.* ISBN 0-662-57167-3  
MICROLOG 90-05122 1 fiche

First annual review of the Sector, which is responsible for the fundamental surveying and mapping of all of Canada, and for fostering the development of remote sensing technologies and applications. This report gives a summary of the year's activities, and details on the collecting of geographic information, major conferences and activities, advisory committees, awards, and production highlights. Financial data is also included.  
• CA NR PS SC

**Canada. Transport Canada : Annual report 1987-88**

Ottawa : The Dept., 1989. 37, 42 p. : ill. *Bilingue. CSI 21123.001.* ISBN 0-662-57081-2  
MICROLOG 90-06883 2 fiche

The goal of the Dept. is to ensure safety in the national transportation system. This annual report gives highlights of the year and reviews the activities of the Airports Authority Group, Aviation Group, Marine Group, and the Surface Group. It reports on policy and coordination, security and emergency planning and on central services. A financial summary is included.  
CA SC TR

**Canada. Transport Dangerous Goods Directorate : Annual report 1988-89**

Ottawa : The Directorate, 1989. 21, 23 p. : ill. *Bilingue. CSI 21123.009.* ISBN 0-662-56790-0  
MICROLOG 90-05084 1 fiche

Annual report of the Directorate, including highlights of the year's activities, and details on activities in regulatory affairs, risk management and compliance and operations. Data is given on accidents by class, mode, province, and by fiscal year. Major contracts are also listed.  
CA SC TR

**Canada. Transports Canada : Rapport annuel 1987-88**

Ottawa : le Ministère, 1989. 42, 37 p. : ill. *Bilingue. CSI 21123.001.* ISBN 0-662-57081-2  
MICROLOG 90-06883 2 fiche

Rapport annuel pour l'année financière close le 31 mars 1988 qui retrace les grandes lignes des activités du Ministère. Inclut des informations sur les services centraux, ainsi que le bilan des activités des différentes composantes du Ministère: Groupe de gestion des aéroports, Groupe Aviation, Groupe de la marine, Groupe de la surface et Groupe des politiques et de la coordination. Comprend aussi un sommaire financier.  
CA SC TR

**Canada. Travail Canada : Revue annuelle 1988-89**

Ottawa : le Ministère, 1989. 87 p. : ill. *Bilingue. CSI 21114.001.* ISBN 0-662-57256-1  
MICROLOG 90-02256 1 fiche

Cette revue annuelle marque les deux décennies de l'engagement de Travail Canada envers le principe qui veut que la sécurité doit régner dans les lieux de travail de compétence fédérale. Le mandat du Ministère porte sur les questions du travail dans des entreprises d'envergure interprovinciale ou internationale,



dans une quarantaine de sociétés d'Etat et dans des industries désignées d'intérêt public par le Parlement du Canada. Le champ total de sa compétence comprend le transport par air, chemin de fer, route ou pipeline, l'exploitation des canaux, des ponts et des tunnels; le transport maritime et les entreprises connexes; les industries de service telles la radiodiffusion et les banques; enfin, la manutention du grain et les mines d'uranium. Le document se divise en trois parties: les relations du travail, la sécurité et la santé au travail, et les normes du travail.  
CA LA

**Canada. Travaux publics Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1989. 39, 37 p. : ill. Bilingue. CSI 21118.001  
MICROLOG 90-02135 2 fiche

Ce document présente le rapport annuel de Travaux publics Canada pour l'exercice clos le 31 mars 1989. On y aborde l'organisation en bref, les objectifs de Travaux publics Canada, les rapports régionaux, les données financières et opérationnelles, et on donne finalement des renseignements sur le personnel de direction ainsi que les adresses des bureaux du Ministère.  
CA PW SC

**Canada. Veterans Affairs Canada : Annual report 1988-89**

Toronto : The Dept., 1989. 86, 96 p. : ill. Bilingual. CSI 21125.001.  
MICROLOG 90-03609 2 fiche

The mandate of the Department is to meet the needs of those Canadians who served their country during wartime and to honour those who gave their lives in that service. This annual report outlines the major activities and accomplishments of the Department.  
CA SA ST

**Canada and international peace and security : a bibliography, covering materials from January 1985 through December 1989**

Ottawa : Canadian Institute for International Peace and Security, 1990. v, 434 p. Bilingual (Le Canada, la paix...). ISSN 1180-3797 ISBN 0-660-55772-X  
MICROLOG 90-07051 5 fiche

The aim of this bibliography is to increase access to Canadian information on international peace and security issues, in both the French and the English languages. Peace and security issues focus primarily on arms control, disarmament, defence, and conflict resolution. The sources used are drawn principally from initial lists of Canadian periodicals compiled by Information Services and its Consultative Group. All non-Canadian periodicals received at the Institute are also indexed for articles covering Canadian interests, or written by Canadians.  
• CA EX

**Canada and international safeguards : verifying nuclear non-proliferation**

Ottawa : External Affairs Canada, 1990. 60 p. : ill. (Verification brochure ; no. 5) French ed. (Le Canada et les garanties...) : 90-04279/1. ISSN 0830-923X ISBN 0-662-17377-5  
MICROLOG 90-04280 1 fiche

Brochure exploring some of the background to International Atomic Energy Agency nuclear non-proliferation safeguards and outlining how they work. It also examines Canada's contributions in this area.  
CA CI EX

**Canada and the Pacific Basin**

by G. Hervouet. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 34, 36 p. : ill. Bibliogr. (About Canada) Bilingual (Le

Canada et le bassin...). ISBN 0-662-56298-4  
MICROLOG 90-00859 1 fiche

One of a series of booklets on Canada and its people. This booklet provides an explanation for the growing interest in the Pacific region and the proliferation of government and private-sector initiatives in the area. The booklet gives a short outline of Canada's history of involvement in the Pacific Basin, but does not deal with such problems as foreign aid, Canada's political stand on Vietnam or the political changes in the Philippines. Coverage includes traditional objectives and new initiatives, renewed activity and priority in the Pacific Basin, priority to Japan and renewed interest in China, the newly industrialized countries, ASEAN and Pacific partners, and the obstacles to development.  
CA CO EX PA

**Canada and the U.S.-Mexico free trade negotiations**

by R.J. Wonnacott. Toronto : C.D. Howe Institute, 1990. 8 p. Bibliogr. (Commentary ; no. 21) ISSN 0824-8001 ISBN 0-88806-265-6  
MICROLOG 90-06724 1 fiche

This paper addresses some of the issues that arise in any Canadian decision to participate in a North American free trade agreement. It focuses on two questions: Should Canada participate with the objective of expanding the existing Agreement to include Mexico? Or should Canada allow the United States and Mexico to go ahead and create a bilateral agreement on their own?  
• CA CO EX

**Canada as a borderlands society**

by R. Gibbins. Orono, ME : Canadian-American Center, 1989. v, 18 p. Bibliogr. (Borderlands monograph series ; no. 2) ISSN 1040-3264 ISBN 0-9625055-0-1  
MICROLOG 90-02311 1 fiche (Available on fiche only)

The international border which Canada and the United States share is commonly used as a symbol for the relationship between the two countries. Hence the phrase 'the world's longest undefended border' is thought to capture the friendship that exists between the two countries, and to reflect the extensive north-south flow of people, resources, and culture which the border does little to impede. The point of this essay is not to challenge the mythology of the undefended border but, rather, to argue that while Americans and Canadians may share the same border, they share it in very different ways.  
• CA EX

**Canada Assistance Plan : Annual report 1985-86**

Ottawa : Health and Welfare Canada, 1990. 27, 29 p. : ill. Bibliogr. Bilingual. CSI 21112.003. ISBN 0-662-57160-6  
MICROLOG 90-02577 1 fiche

The objectives of the plan are to support the provision by provinces of adequate assistance and institutional care for persons in need. This report describes the administration and operation of the Plan in 1985-86. It provides data, by province, on costs and persons assisted.

**Canada at the U.S.-Mexico free trade dance : wallflower or partner?**

by R.G. Lipsey. Toronto : C.D. Howe Institute, 1990. 16 p. Bibliogr. (Commentary ; no. 20) ISSN 0824-8001 ISBN 0-88806-264-8  
MICROLOG 90-06723 1 fiche

There is a good chance that, early in the 21st century, virtually all goods and services will move duty free across the U.S.-Mexico border.  
CA HE SA ST

and that Canada will end up inside a greater North American free trade area encompassing Canada, the United States, and Mexico. This document examines this possibility and discusses the options available for Canada on this matter, the structure of a tripartite regional agreement, and criticisms of a North American free trade agreement.  
• CA CO EX

**Canada Brick Quarry ash landfill : groundwater monitoring and control system modifications, 1989**

by C.B. Cragg. Toronto : Ontario Hydro, Research Division, 1989. 12 p. : ill. (Report ; no. 89-296-K)  
MICROLOG 90-04000 1 fiche

Groundwater sampling wells were installed in the shale upstream of the ash landfill to replace wells destroyed by local construction. New sampling wells were installed in ash in the south end of the landfill. Modifications were made to sumps attached to the emergency underdrainage system to improve long term durability. This report provides details of these installations and modifications.  
EV ON PR SC

**Canada Brick Quarry ground water survey : eighth annual report, 1988-89**

by D.H. Barber and A.Z. Mlynarczyk. Toronto : Ontario Hydro, Research Division, 1989. i, 186 p. : ill. Bibliogr. (Report ; no. 89-309-K)  
MICROLOG 90-03996 2 fiche

Between December 1981 and December 1986 Lakeview Thermal Generating Station fly ash was disposed of as fill in the Canada Brick Quarry, Mississauga, Ontario. As a condition of issuance of an environmental provisional certificate, an annual program of ground water monitoring is required. For the 1988/89 sampling year, ground water samples were collected from the up-gradient wells, the underdrain collection sump, and the down-gradient wells. Seven new wells were installed, 4 south of the railway and 3 in the ash fill to provide samples of ash leachate. This report covers the chemical analyses and piezometric head measurements of ground water samples from October 1988 to September 1989. The analytical data reported includes previous ground water surveys as well as that for the current sampling year.  
EV ON PR SC

**Canada Brick Quarry surface water survey : eighth annual report, 1988-89**

by D.H. Barber and A.Z. Mlynarczyk. Toronto : Ontario Hydro, Research Division, 1989. i, 47 p. : ill. Bibliogr. (Report ; no. 89-310-K)  
MICROLOG 90-03995 1 fiche

Lakeview Thermal Generating Station fly ash was disposed of at Canada Brick Quarry in Mississauga, Ontario, between December 1981 and December 1986. As a condition of environmental approval, an annual surface water survey is required. This year's report contains the historical data from the 7 previous surveys as well as results of analyses of samples collected on October 27, 1988 and April 22, 1989. The 1987-89 survey identified reasons to suspect that the Creek may have been contaminated or mixed with ash leachate during the monitoring period. This mixing was examined again this year.  
EV ON PR SC

**Canada Committee on Ecological Land Classification : achievements 1976-89, and long-term plan**

by G.R. Ironside. Ottawa : Environment Canada, Corporate Policy Group, 1989. 7,



7 p. Bibliogr. *Bilingual (Comité canadien de la classification...)*. ISBN 0-662-56971-7  
MICROLOG 90-03123 1 fiche

The Committee was formed in 1976 to encourage the development of both a uniform national ecological approach to land/natural ecosystem classification, and to encourage a sound application of this approach to environmentally sustainable resource management and land use planning. This report describes the operation of the Committee; the core work areas; and the achievements of the working groups on national wetlands, wildlife, ecoregions, national vegetation, land/water integration, and methodology/philosophy. The long-term plans of each of these working groups are also described. Publications of the Committee are listed.  
CA EV SC

#### Canada Council : Annual report 1986-87 : supplement

Ottawa : The Council, 1988. 101 p. *Bilingual*.  
CSI 22110.003  
MICROLOG 90-00566 2 fiche

This supplement includes a list of grants and services rendered during the year, names of recipients, and brief descriptions of each type of grant and service.  
CA CU

#### Canada Council : Annual report 1987-88 : supplement

Ottawa : The Council, 1989. 103 p. *Bilingual*.  
CSI 22110.003  
MICROLOG 90-02786 2 fiche

The objects of the Council are to foster and promote the study and enjoyment of, and the production of works in, the arts. This document reports on the activities of the grant programs, and lists the Council's various prizes and awards.  
CA CU PA

#### Canada Council : Annual report 1988-89 : supplement

Ottawa : The Council, 1990. 107 p. *Bilingual*.  
CSI 22110.003  
MICROLOG 90-04854 2 fiche

This supplement to the Canada Council's annual report for 1988-89 includes a list of grants and services rendered during the year, names of recipients and brief descriptions of each type of grant and service. The figures given represent amounts approved, as all grants are subject to the meeting of certain conditions by the recipient.  
CA CU

#### Canada Employment and Immigration Advisory Council : Annual review 1988

Ottawa : The Council, 1989. xi, 18, xi, 18 p. : ill. *Bilingual*. CSI 22112.001. ISBN 0-662-56959-8  
MICROLOG 90-00748 1 fiche

This annual review reports on Council activities in 1988 and Council studies. It also discusses future directions and past studies published by the CEIAC, and includes 1988 operating costs.  
CA EX LA

#### Le Canada et le bassin du Pacifique

par G. Hervouet. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 36, 34 p. : ill. Bibliogr. (Réalités canadiennes) *Bilingue (Canada and the Pacific...)*. ISBN 0-662-56298-4  
MICROLOG 90-00859 1 fiche

Le document traite essentiellement des relations qu'entretient le Canada avec ses principaux partenaires du Pacifique. De ce fait, il esquisse l'histoire de la participation du Canada dans le Bassin du Pacifique. On y aborde les

objectifs traditionnels et les initiatives nouvelles, les relances et les priorités dans le Bassin du Pacifique, la priorité au Japon et l'intérêt soutenu pour la Chine, les nouveaux pays industrialisés, ASEAN et les partenaires du Pacifique, ainsi que les difficultés et la permanence du défi.  
CA CO EX PA

#### Le Canada et les garanties internationales : vérification de la non-prolifération des armes nucléaires

Ottawa : Affaires extérieures Canada, 1990. 60 p. : ill. (Brochure sur la vérification ; no 5) *L'éd. anglaise (Canada and international...)* : 90-04280/1. ISBN 0830-9248  
ISBN 0-662-95773-3  
MICROLOG 90-04279 1 fiche

Cette brochure retrace l'histoire des garanties de l'AIEA et montre comment elles s'appliquent. Elle rappelle aussi les contributions canadiennes dans ce domaine et porte essentiellement sur les thèmes suivants: l'évolution des garanties de non-prolifération; le Canada et les garanties de l'AIEA; les programmes canadiens d'appui des garanties; et, le traité sur la non-prolifération des armes nucléaires.  
CA EX

#### Canada Health Act : Annual report 1988-89

Ottawa : Health and Welfare Canada, 1989. 92, 96 p. *Bilingual (Loi canadienne sur la santé...)*. CSI 21112.012. ISBN 0-662-57008-1  
MICROLOG 90-05608 2 fiche

The Canada Health Act, the federal legislative framework for Canada's health care system, constitutes a series of interprovincial plans which entitles the provinces to federal financial support. The annual report reviews the specific criteria and regulations allowing federal transfers, federal contributions and payments to the provinces with additional data on provincial entitlements, cash payments, deductions, extra billing (user charges) for the fiscal year 1988-89. Also reviews operations of each provincial health care insurance plan.  
CA HE SA ST

#### Canada Institute for Scientific and Technical Information : Annual report 1988-89

Ottawa : The Institute, 1989. 28, 28 p. : ill. Bibliogr. *Bilingual*. CSI 22115.001  
MICROLOG 90-06335 1 fiche (Available on fiche only)

Annual report of the Institute, presenting the year's activities in collection building and use of the collection; the catalogue; reference, referral and customized literature search service; Health Sciences Resource Centre, various online systems; various branches; communications; advisory groups; and a statistical summary. An organizational chart is included.  
CA PS SC ST

#### Canada Mortgage and Housing Corporation : Annual report 1989

Ottawa : The Corporation, 1990. 56 p. : ill. *Bilingual*. CSI 22118.001. ISBN 0226-0336  
MICROLOG 90-06548 1 fiche

CMHC's purpose, as embodied in the National Housing Act, is to promote the construction of new houses, the repair and modernization of existing houses, and the improvement of housing and living conditions. This annual report gives an overview of the year and then focusses on government programs, the 1989 plan and performance and the year ahead. The report also includes financial statements.  
CA PL ST

#### Canada Oil and Gas Lands Administration : Annual report 1989

Vanier, Ont. : The Administration, 1990. 42 p. : ill., maps. CSI 22119.002. ISBN

0-662-17684-7  
MICROLOG 90-06612 1 fiche

Annual report of the Administration, established in 1981 to regulate oil and gas activity on Canada's frontier lands (Yukon Territory, Northwest Territories, Hudson Bay and most of the country's offshore areas). This report covers the years' activities in rights management, exploration, resource evaluation, conservation and development, protection of the worker, protection of the environment, and employment and industrial benefits. Data summarizes activity on the frontier lands, the mainland territories, the Mackenzie Delta and the Beaufort Sea, the Arctic Islands and the Eastern Arctic offshore, the Nova Scotia offshore and the Newfoundland offshore. A glossary of terms is included.  
CA EN SC ST

#### Canada Pension Plan contributors, 1987

Ottawa : Health and Welfare Canada, 1989. 64 p. *Bilingual (Cotisants du Régime...)*. CSI 21112.004. ISBN 0319-7247  
MICROLOG 90-02260 1 fiche

Contains tables which show distribution by age and province, by earnings level and by province, by earnings level and by age; by sex, by employment status, and by province; and by sex, by employment status, and by age.  
CA CO PA ST

#### Canada Pension Plan contributors, 1988

Ottawa : Minister of National Health and Welfare, 1990. 64 p. *Bilingual (Cotisants du Régime...)*. CSI 21112.004. ISBN 0319-7247  
ISBN 0-662-57734-5  
MICROLOG 90-07039 1 fiche

Data presented in this publication contain information on persons who made contributions to the Canada Pension Plan in 1988. The tables include statistics on the number of contributors and the amount of contributions distributed by sex, age, earning level, employment status and province. The information is taken from earnings data  
CA CO SA ST

#### Canada Post Corporation : Annual report 1989-90

Ottawa : The Corporation, 1990. 35, 35 p. : ill. *Bilingual*. CSI 22120.001  
MICROLOG 90-06549 1 fiche

This annual report provides a profile of Canada Post. It includes information on its financial performance, and a five year review.  
CA PA TE

#### Canada Student Loans Program : Annual report 1987-88

Ottawa : Dept of the Secretary of State, 1989. v. 88, v. 96 p. *Bilingual*. CSI 22121.001. ISBN 0-662-56625-4  
MICROLOG 90-00555 3 fiche

This annual report covers the role of the government of Canada and of provincial and territorial governments in loans to students. It provides program information, and statistical information for the loan year 1987-88.  
CA CO ED ST

#### Canada's forest inventory, 1986

prepared by Forestry Canada : in cooperation with the Canadian Forest Inventory Committee. Ottawa : The Dept., 1988. iv, 60 p. : ill., maps. Bibliogr. *Bilingue (Inventaire des forêts...)* : 90-01316/1. CSI 22189.210. ISBN 0-660-92551-6  
MICROLOG 90-01215 1 fiche

Summary of data on the extent, ownership, productivity, species composition, maturity, and volume of the forest resource in all regions



across the country. This report contains the most up-to-date information available, and includes maps as well as statistics.  
CA FO SC ST

### Canada's forest inventory, 1986 : technical supplement

by S.L. Gray and K. Neitman. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1989. ix, 164 p. : ill. Bibliogr. (Information report : PI-X-86) ISSN 0706-1854 ISBN 0-662-16826-7 MICROLOG 90-00227 2 fiche

Canada's forest inventory is renewed periodically to collect the best data available from source inventories of agencies responsible for managing the forest. This report describes source data for the 1986 forest inventory, how they were compiled, and gives precautions for proper use. The information is up to 40 years old (1946) and on average is 10 years old (1976). The data consists of area and volume statistics by up to 12 classifiers. The volume data are available for up to 19 species groups for pulpwood and sawwood utilization specifications. Age class, predominant genus, sawwood volumes, cull factors to give net volumes, policy constraint, productivity, and tree size-volume relations are new since the last inventory in 1981.  
• CA FO SC

### Canada's forests, 1988

Ottawa : Forestry Canada, 1989. 6 p. CSI 22189 008. ISBN 0-662-16945-X MICROLOG 90-01664 1 fiche

Pamphlet presenting data on Canada's forests, covering area classifications, wood volume and maturity class, primary forest production, forest industries, output of selected forest products, exports; commodity trade for 1987; corporate profits, taxes and capital expenditures for the forestry industry by quarter, and area and production for producing continents. Data is generally from 1986 with comparisons to the previous year and past 5 years.  
CA FO SC ST

### Canada's Future Requirements For Highly Qualified Scientists and Engineers : papers presented at a seminar

Canada's Future Requirements For Highly Qualified Scientists and Engineers : a discussion (1989 : Ottawa, Ont.). Ottawa : Natural Sciences and Engineering Research Council Canada, 1989. x, 193 p. : ill. Reports are in the language of presentation, English or French (Besoins futurs du...). MICROLOG 90-00956 3 fiche

Papers presented at the seminar, covering the need for highly qualified personnel, the human resource base in the U.S., scientists and engineers in the federal public service, future needs of business, the capacity of Canada's universities, and the future supply and the role of NSERC.  
CA LA PS SC

### Canada's housing co-operatives : an alternative approach to resolving community problems

by J. Selby and A. Wilson. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1988. 43 p. Bibliogr. (Canadian planning issues : no. 26) ISSN 0828-2390 MICROLOG 90-05492 1 fiche (Available on fiche only)

Reviews the evolution of the co-operative housing movement in Canada and outlines the essential features of the Canadian model and the organization of the movement. It also describes how housing co-operatives successfully, integrates solutions to housing and other community problems. Finally, it evaluates

the movements future prospects and factors that may inhibit its growth.  
BC CI PR SA

### Canada's immigration program

by M. Young. Ottawa : Library of Parliament, Research Branch, 1989. ii, 37 p. (Backgrounder ; BP-190E) French ed. (Le Programme canadien...) on the same fiche. ISBN 0-660-13295-8 MICROLOG 90-01914 1 fiche

Provides a framework whereby readers may become aware of some of the issues regarding immigration. It also presents background information for immigration and its relation to law, government policy, and administration.  
CA CI EX PA

### Canada's new refugee status determination system

by M. Young. Ottawa : Library of Parliament, Research Branch, 1989. 19 p. (Backgrounder ; BP-185E) French ed. (Le Nouveau système canadien...) on the same fiche. ISBN 0-660-13290-7 MICROLOG 90-01909 1 fiche

Bill C-55 radically altered the procedures for determining claims to Convention refugee status made within Canada. This paper describes the new legislation and indicates why it has been so controversial. It ends with a summary of the legal challenge by the Canadian Council of Churches filed immediately after the start of the new system.  
CA CI EX PA

### Canada's oceans : an economic overview and a guide to federal government activities, 1989 -- Rev.

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. v, 40 p. Bibliogr. (Economic and commercial analysis report ; no. 43) ISSN 0843-5626 ISBN 0-662-17247-7 MICROLOG 90-05222 1 fiche

Overview of Canada's oceanic economy and of current activities of federal government departments and agencies having responsibilities involving the oceans. The report considers the economic impact of fisheries, oil and gas exploration and development, ocean mining, marine shipping, shipbuilding and repair industry, and oceanic manufacturing and services. The role of the federal government in marine transportation; resource development and management for living and non-living resources, environmental protection and conservation, and marine environmental quality; sovereignty, defence and Law of the Sea; northern development; industrial and regional development; and marine science and technology development is described, along with the government/industry interaction in these areas.  
• CA CF CO NR PA SC ST

### Canada's single-industry communities : in search of a new partnership : a follow-up report based on an interdepartmental forum

presented to the Minister of Employment and Immigration ; by the Canada Employment and Immigration Advisory Council. Ottawa : The Council, 1988. 125, 147 p. Bilingual (Les Collectivités mono-industrielles...) MICROLOG 90-01932 3 fiche

Summarizes the proceedings of a forum held on October 21, 1987 in Hull, Quebec to discuss the findings of the report on single industry communities. It reviews some of the issues which appeared in the original report and records the responses received from the individual departments and agencies involved. It discusses additional policy considerations, followed by the resulting recommendations.

Finally it records a number of written presentations on the subject, received from the participating departments and agencies.  
CA CO LA

### Canada's stake in the Uruguay Round and the GATT system

by M.G. Smith. Ottawa : Institute for Research on Public Policy, 1988. ix, 34 p. Bibliogr. (Discussion paper in international economics ; 8801) MICROLOG 90-02192 1 fiche

Provides information on developments in the international economic environment which influence Canada's trading prospects. It reviews the main negotiating agenda items in the Uruguay Round, noting issues of particular concern to Canada, and examines proposals to reform the trading system. It also discusses the strategic implications for Canada.  
• CA CO

### Canada's trade in agricultural products, 1985, 1986 and 1987

by D.L. Aubé. Ottawa : Agriculture Canada, 1988. 117 p. Bilingual (Les Echanges agricoles...). CSI 21100.029. MICROLOG 90-00300 2 fiche

This statistical bulletin presents historical summaries of agricultural trade data and figures for 1985, 1986, and 1987, broken down by country and by commodity.  
AG CA CO EX ST

### Le Canada, la paix et la sécurité internationales : un bibliographie, comprenant des documents de janvier 1985 à décembre 1989

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1990. v, 434 p. Bilingue (Canada and international). ISSN 1180-3797 ISBN 0-660-55772-X MICROLOG 90-07051 5 fiche

Cette bibliographie vise à rendre plus accessibles les sources canadiennes d'information sur les questions relatives à la paix et à la sécurité internationales, tant en français qu'en anglais. Dans les domaines de la paix et de la sécurité, la bibliographie est axée essentiellement sur la limitation des armements, le désarmement, la défense et le règlement des conflits. Elle fournit une description de l'Institut canadien pour la paix et la sécurité internationales; une liste sélective de périodiques consultés; une liste de vedettes-matière; une bibliographie par sujet; et, un index des auteurs  
• CA EX

### Canada-Japan complementarity study : report

Canada Japan Committee. Ottawa : Science Council of Canada, 1989. 22 p. Bilingual (Etude sur la complémentarité...). MICROLOG 90-03253 1 fiche

Main recommendations of the Canada-Japan Complementarity Study, undertaken in April 1988 to explore areas and means of enhanced research and development between Canada and Japan. Areas covered include advanced materials and biomaterials, biotechnology and biosciences, oceanography and ocean engineering, and space science, technology, and cosmology.  
CA EX SC

### Canada-Manitoba Agreement for Recreation and Conservation on the Red River Corridor : Annual report 1987-88

S.I. : The Agreement, 1988. 9 p. French ed. on same fiche CSI 32116.001. MICROLOG 90-07159 1 fiche

The objectives of the Agreement are to identify, preserve, interpret and develop the natural, historical and scenic heritage resources of the



Red River Corridor; and to increase the educational, recreational and cultural benefits to be derived from the use of these resources for the benefit of the population. This annual report covers program administration, and expenditures.  
CA CU MS PR

**Canada-Manitoba Flood Protection Projects Agreement : Annual report 1988-89**

S.I. : The Agreement, 1989. 18 p.  
CSI 41119 007  
MICROLOG 90-03043 1 fiche

Annual report of the Agreement, giving an overview of the year's activities, the organization of the Agreement, and the progress made on projects in Emerson, St. Adolphe, Ste. Rose du Lac, and Souris water treatment plant dyke. Expenditures are included by community from 1982/3 to the present.  
CA EV MS PR PW SC

**Canada-Manitoba Mineral Development Agreement : Annual report 1988-89**

Ottawa : The Agreement, 1989. 14, 14 p. : ill. Bilingual. CSI 32124 001  
MICROLOG 90-02920 1 fiche

Annual report of the Agreement, giving highlights of the Agreement, a description of the sectors involved (geoscience activities, mining and minerals technology, development), the management structure for Agreement implementation, liaison with industry, and an overview of the year's activities in each sector. A financial summary is included.  
CA CO MS NR PR SC

**Canada-New Brunswick Agreement on Special Response**

S.I. : The Agreement, 1990. 14 p. French ed. (Canada-Nouveau-Brunswick entente...spéciale) on the same fiche.  
MICROLOG 90-05639 1 fiche

This document contains the text of the Agreement which aims to provide Canada and New Brunswick with the means to respond to circumstances creating a downturn in the northeast New Brunswick regional economy, to enhance the employability of people in the region, to enhance income and employment in the region through economic diversification, and to support cross-sectoral initiatives by assisting regular programs and services.  
• AP CA CO PA

**Canada-Newfoundland Mineral Development Agreement : project summaries, 1984-89**

St. John's : Canada-Newfoundland Mineral Development Agreement, 1990. 98 p. : ill., maps. Bibliogr. (Open file : NFLD 1938) (Open file : 2234)  
MICROLOG 90-06119 2 fiche

Summary of the results of projects carried out under the Agreement from 1984-89. Projects described include those in geoscience, mining and minerals technology, economic development, and public information, evaluation and administration. Projects were conducted by both the provincial and federal governments and are so divided. The description of each project involves its objectives, methods and results.  
• AP CA NR SC

**Canada-Nouveau-Brunswick entente sur le Programme d'intervention spéciale**

S.I. : L'Entente, 1990. 15 p. L'éd. anglaise (Canada-New Brunswick Agreement...Response) sur la même fiche.  
MICROLOG 90-05639 1 fiche

Cette entente porte sur le programme d'intervention spéciale entre le Canada et le Nouveau-Brunswick. Elle a pour but de

donner les moyens de répondre aux circonstances créant le déclin de l'économie régionale dans le nord-est du Nouveau-Brunswick; de mettre en valeur les ressources humaines de la région en développant les aptitudes à occuper un emploi; de fournir le maximum de souplesse afin de pouvoir appuyer les initiatives valables de diversification économique, lesquelles améliorent le revenu et l'emploi dans le nord-est du Nouveau-Brunswick, et d'appuyer les initiatives intersectorielles dans la région cible favorisant le développement d'une base économique diversifiée à un rythme accéléré en fournissant l'aide complémentaire et supplémentaire aux programmes gouvernementaux existants.  
• AP CA CO PA

**Canada-Nova Scotia Crop Insurance : Annual report 1988-89**

Nova Scotia Crop and Livestock Insurance Commission. Ottawa : Agriculture Canada ; Halifax : Province of Nova Scotia, 1989. 25 p. CSI 52135 001.  
MICROLOG 90-05611 1 fiche

The Commission is responsible to make available to Nova Scotia farmers a Crop and Livestock Insurance Program that will be of benefit in times of low crop yields or in the event of livestock losses. It is responsible for the administration of these plans, including sales, promotions, underwriting, field inspections, adjusting and payment of claims and accounting. This annual report includes a summary of the 1988 crop year, objectives and responsibilities, financial participation, insurance plans in force, and statistical summaries. It also includes acknowledgements, a conclusion, a list of its' Commission Officers, as well as an Auditor's report.  
AG AP CO PR SC ST

**Canada-Ontario Mineral Development Agreement : Annual report 1987-89**

S.I. : The Agreement, 1989. 28, 32 p. Bilingual. CSI 32125 001. ISSN 0836-1495  
MICROLOG 90-04250 1 fiche

This document contains the annual report of the Canada-Ontario Mineral Development Agreement for 1987-1989. This report discusses the background; the five program areas, the management implementation structure; subsidiary agreement work areas; an activities summary; a summary of planned expenditures 1985-1990; and also accessing COMDA information.  
• CA NR ON PA

**Canada-Quebec Subsidiary Agreement on Mineral Development : activity report for the 1985-88 period**

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1988. 27 p. : ill. French ed. (Entente auxiliaire...) on the same fiche. ISBN 2-550-19166-8  
MICROLOG 90-03865 1 fiche

On July 5, 1985, the governments of Canada and Québec signed a \$100 million subsidiary agreement on mineral development within the framework of the Canada-Québec economic and regional development agreement (ERDA) of December 1984. The 5-year agreement (1985-1990) promotes cooperation and coordination between the Government of Canada and the gouvernement du Québec for the implementation of measures to stimulate mineral development and increase the economic impact of the mineral industry in Québec. This report describes the objectives and management of the agreement, the programs established, and gives a review of the activities by program, including a financial summary. Programs are described in detail and cover geoscientific activities, asbestos R&D, mineral development infrastructures, public information, technical and economic studies and experimentation work, production and distribution of documentation,

defence and promotion of asbestos, and assistance to mineral exploration.  
• CA NR PR QU SC

**Canada-U.S. free trade : the road to implementation -- Rev.**

by A. Chapman. Ottawa : Library of Parliament, Research Branch, 1989. 31 p. (Current issue review, 88-8E) French ed. (Le Libre-échange Canada-Etats-Unis...) on the same fiche ISBN 0-660-13407-1  
MICROLOG 90-03025 1 fiche

Presents a definition of the issue, and provides an analysis of Canada-U.S. trade patterns, issues in the free trade agreement, and the road to implementation. It also covers parliamentary action on this matter.  
CA CI CO EX

**The Canada-U.S. Free Trade Agreement : a guide to strategic planning under free trade**

Winnipeg : Manitoba Industry, Trade and Tourism, 1989. 41 p. : ill. Rules of origin annex (iii, 21 p.) laid in.  
MICROLOG 90-00231 1 fiche

Topics addressed include determining the effect of the FTA on existing tariff barriers, determining the effect of non-tariff measures; assessing the probable impacts of the FTA; and developing a strategic plan for responding to free trade  
• CA CI CO EX

**The Canada-U.S. Free Trade Agreement and government procurement : an assessment**

Ottawa : Dept. of External Affairs ; Minister of Supply and Services, 1989. 64, 74 p. Bilingual (L'Accord de libre-échange...). ISBN 0-662-56549-5  
MICROLOG 90-01261 2 fiche

Includes a comprehensive reference, setting the FTA in historic and economic perspective; an explanation of the government's procurement process; a description of the GATT procurement code, a summary and explanation of the FTA's procurement elements; and a forward look at government procurement opportunities.  
CA CI CO EX

**Canada-U.S. relations in the Bush era**

by J.T. Jockel. Orono, Maine : University of Maine, Canadian-American Center, 1990. 28 p. Bibliogr. (Canadian-American public policy ; no. 1) ISSN 1047-1073 ISBN 0-89101-075-0  
MICROLOG 90-06516 1 fiche (Available on fiche only)

This essay surveys Canada-U.S. relations today and their prospects for the 1990s. It begins in Canada, with first, the joint approach towards management of the relationship and, second, the current, common Canada-U.S. consensus on the elements of the relationship, upon which the recent approaches to management rest. It then turns to global affairs and the disquieting domestic possibilities which could affect the foreign policies of both countries. It ends with an assessment of the potential impact of international trends on the bilateral relationship.  
• CA EX

**Canada-United States Free Trade : a bibliography -- 5th ed.**

by D. Mine. Ottawa : Dept. of External Affairs and International Trade, 1989. 147 p. Bilingual (Libre-échange entre...).  
MICROLOG 90-03917 2 fiche

This bibliography consists mainly of material found in the Main Library and the Legal Library of the External Affairs and International Trade Canada. It contains general discussions



of Free Trade as well as works which deal with multiple facets of the subject, and most of the general works on free trade published before 1984.  
CA CI CO EX

### The Canada-United States Free Trade Agreement and the GATT

by F. Stone. Ottawa : Institute for Research on Public Policy, 1988. 18 p. (Discussion paper in international economics ; 8802)  
MICROLOG 90-02191 1 fiche

This document is an analysis of the relationship of the Canada-United States Free Trade Agreement with GATT, its compatibility with the GATT rules governing free trade areas, and the ability of members of free trade areas to participate independently in GATT and carry on their own, independent trade policies and relationships with the rest of the world.  
• CA CI CO

### The Canada-United States Free Trade Agreement Implementation Act

Ottawa : Library of Parliament, Research Branch, 1989. 35 p. (Background ; BP-193E) French ed. (Loi de mise en oeuvre...) on the same fiche. ISBN 0-660-13298-2  
MICROLOG 90-01916 1 fiche

This legislative summary describes the manner in which Bill C-2 implements the Free Trade Agreement. It examines a number of the bill's general implementing clauses as well as those which amend the numerous statutes to which the bill refers. It discusses each part of the bill.  
CA CI CO EX JU

### Canada/NB MDA project on mine shaft rope testing : stranded ropes with artificial defects

by L.B. Geller, G. Rousseau and D. Poffenroth. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. v, 122 p. : ill. Bibliogr. (Report ; MRL 90-015(TR))  
MICROLOG 90-07123 2 fiche

An investigation was begun in July 1988 to comparatively evaluate, on a properly controlled experimental basis, the performance of a range of commercially available electro-magnetic (EM) wire-rope test instruments, including Canadian, American, and West German testers. Both in situ and shop-floor testing was performed, on rope-sizes and constructions that are representative of the full range used in Canadian mines. Results were obtained in close cooperation with Canadian regulatory authorities, research organizations, and industry. This report describes and analyses results obtained with the reel-to-reel testing of two specially designed and manufactured 1 3/4 in., 6x27, flattened strand, wire-ropes, with artificial defects.  
• AP CA CM NR PS SC

### Canada/New Brunswick Cooperation Agreement on Planning

S.I. : The Agreement, 1990. 11 p. French (Entente de coopération...) on the same fiche.  
MICROLOG 90-03334 1 fiche

Text of the Canada/New Brunswick Agreement, which gives effect to the Canada/New Brunswick ERDA and supports the processes of the Cooperation program and other economic development programs by providing for identification and detailed analysis of economic development opportunities and the formulation of appropriate measures to pursue them and the contribution of federal and provincial funds for externally performed studies. The text sets out the terms of implementation, management and coordination, administration, contract procedure, payment

procedure, inspection and audit procedures, financial provisions, and evaluation.  
• AP CA PL SC

### Canada/New Brunswick Subsidiary Agreement Industrial Development : amendment no. 5

Canada-New Brunswick Subsidiary Agreement on Industrial Development. S.I. : The Agreement, 1990. 3 p. French ed. (Canada/Nouveau-Brunswick...) on the same fiche.  
MICROLOG 90-03333 1 fiche

Text to Schedule B of the Canada/New Brunswick Subsidiary agreement on industrial development, being changes to the estimated costs from 1985-90.  
• AP CA PL SC

### Canada/Newfoundland youth strategy : summary report

Ottawa : Government of Canada, Minister of State for Youth ; St. John's : Newfoundland, 1989. 30, 37 p. Bilingual (Stratégie Canada/Terre-Neuve pour la jeunesse...).  
MICROLOG 90-00940 1 fiche

This document covers rural and urban issues, the need for province-wide and/or pilot programmes, the need for preventative and/or remedial measures as well as the need for innovative programming and modifications to existing programmes.  
• AP CA SA

### Canada/Nouveau-Brunswick entente auxiliaire sur le développement industriel : modification no 5

Entente auxiliaire Canada/Nouveau-Brunswick pour le développement industriel. S.I. : l'Entente, 1990. 3 p. L'éd. anglaise (Canada/New Brunswick...) sur la même fiche.  
MICROLOG 90-03333 1 fiche

Cette brochure présente les modifications apportées à l'entente auxiliaire sur le développement industriel du Canada/Nouveau-Brunswick. Elle porte principalement sur les programmes à supprimer ou à ajouter.  
AP PL PR SC

### The Canadian aboriginal economic development strategy

Ottawa : Government of Canada, 1989. 28, 32 p. Bilingual (Stratégie canadienne de développement...). ISBN 0-662-56793-5  
MICROLOG 90-02893 1 fiche

To support participation by Aboriginal people in Canada's growing economy, the federal government is dedicating funds on a continuing basis to this strategy. The key goal is to provide long-term employment and business opportunities thereby giving them management experience. The document discusses the new strategy in detail. It also reviews program experience.  
CA CO NP

### Canadian aboriginal economic development strategy : Aboriginal Business Development Program

Ottawa : Industry, Science and Technology Canada, 1989. 8, 8 p. : ill. Bilingual (Stratégie canadienne de développement...). ISBN 0-662-57053-7  
MICROLOG 90-02910 1 fiche

The Program is designed to work in partnership with aboriginal entrepreneurs to help them develop independent and viable businesses in all parts of Canada. This document explains how to access and take advantage of the opportunities afforded under the Program.  
CA CO NP

### Canadian Advisory Council on the Status of Women : Annual report 1988-89

Ottawa : The Council, 1989. 31, 35 p. : ill. Bibliogr. Bilingual. CSI 22306.001.  
MICROLOG 90-06598 1 fiche

The role of the Council is to represent as fully as possible the concerns, values, and aspirations of all women in Canada. This annual report contains reports from members of the Council and highlights the Council's activities. It includes a financial statement.  
CA JU PS SA

### The Canadian aids to navigation system

Ottawa : Canadian Coast Guard, Aids and Waterways Directorate, 1990. 36 p. : ill. French ed. (Le Système canadien...) on the same fiche. Fold. ill. not filmed. ISBN 0-662-17804-1  
MICROLOG 90-04818 1 fiche

Aids to navigation are devices or systems, external to a vessel, which are provided to help a mariner determine position and course, to warn of dangers or obstructions or to advise on the location of the best or preferred route. The Canadian Coast Guard is responsible for the provision of aids to navigation in Canadian waters, with the exception of the Trent-Severn and Rideau waterways. The Canadian aids to navigation system, a combined Lateral-Cardinal system, is described. The publication also covers fixed aids (lightstations, daybeacons, fog signals, sector lights, and ranges); buoys for navigation and special uses, and their daytime and nighttime identification characteristics; radio aids such as radar reflectors and radar beacons, radiobeacons, and Loran-C; and related publications and sources in Canada and the U.S.  
CA SC TR

### The Canadian Association of Geographers directory, 1988

compiled and edited by William Barr. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 9 p. Bibliogr. (NHRI contribution ; no. 88042) Supplement to The Canadian Geographer : vol. 33, no. 1, 1989. ISSN 0838-1992  
MICROLOG 90-06492 1 fiche

Directory of personnel, current research, and recent publications for the National Hydrology Research Institute, and its divisions of ground water, surface water, aquatic ecology, and scientific information.  
CA PS SC

### Canadian Aviation Safety Board : Annual report 1988

Ottawa : The Board, 1989. viii, 58, viii, 63 p. : ill. Bilingual. CSI 22219.001. ISBN 0-662-56612-2  
MICROLOG 90-00747 2 fiche

Annual report of the Board, covering the history, objectives, independence and organization; a summary of the investigation process; new developments in investigation and analysis techniques in photogrammetry, non-destructive testing, image processing and document analysis; the confidential aviation safety reporting program; and occupational health and safety. The findings process and recommendations and safety actions are described. A financial statement is included.  
CA SC ST TR

### Canadian Aviation Safety Board : Annual report 1989

Ottawa : The Board, 1990. viii, 58, viii, 62 p. : ill. Bilingual. CSI 22219.001. ISBN 0-662-57311-0  
MICROLOG 90-05521 2 fiche



Annual report of the Board for the calendar year 1989, presenting a statistical overview of trends in aviation safety and comparing the current with the previous year and a 5-year average; investigations, applications of technology in accident investigation; the Confidential Aviation Safety Reporting Program; human factors; communications; findings; and recommendations. Appendices contain financial information, an organizational chart and addresses, accident statistics and definitions. CA SC ST TR

#### Canadian Broadcasting Corporation : Annual report 1988-89

Ottawa : The Corporation, 1989. 39, 39 p. ill. *Bilingual*. CSI 22177.001  
MICROLOG 90-00312 1 fiche

This annual report reviews English and French television and radio, regional broadcasting, northern service, special services, international activities, facilities and distribution, and staff and administration. It provides financial statements. CA SC ST TE

#### Canadian Broadcasting Corporation : Annual report 1989-90

Ottawa : The Corporation, 1990. 40, 40 p. ill. *Bilingual*. CSI 22177.001. ISSN 0708-9392  
MICROLOG 90-07243 1 fiche

This annual report presents information on English and French television and radio, regional broadcasting, Newsworld, external affairs, facilities and distribution, audiences, corporate management, senior officers and finance. CA SC ST TE

#### Canadian Centre for Management Development : The Principal's report 1989-90

Ottawa : The Centre, 1990. 21, 24 p. : ill. *Bilingual*. CSI 22370.001.  
MICROLOG 90-06761 1 fiche

This annual report outlines the major activities and accomplishments of the Centre in its first year of existence. It includes a statistical summary. Topics discussed include pressures on public management, changing times, start-up, legislation, management development, issues and seminars, case studies, research, discoveries, challenges and others. CA PA ST

#### Canadian Centre for Occupational Health and Safety : Report of the Council 1988-89

Ottawa : The Centre, 1989. 38, 42 p. *Bilingual (Rapport du Conseil...)* CSI 22179.001  
MICROLOG 90-00281 1 fiche

The Centre has the mandate to promote the fundamental right of Canadians to a healthy and safe working environment. This annual report reviews the activities carried out by the Centre. CA HE LA

#### Canadian Charter equality rights for women : one step forward or two steps back?

by G. Brodsky and S. Day. Ottawa : Canadian Advisory Council on the Status of Women, 1989. iv, 321 p. Bibliogr. ISBN 0-662-17011-3  
MICROLOG 90-01100 4 fiche

This report begins with a brief description of women's condition of inequality which the Charter guarantees were designed to address. It also examines the main equality guarantee of the Charter, and the sex equality challenges to date. In addition it reviews the equality theories being applied by the courts in the sex equality challenges, as well as how critical interpretive issues have been resolved. It

describes who is using the Charter to do what, and discusses the problem of access to the courts. Finally it deals with the theory of formal equality, and expands the model of equality and the interpretive framework proposed.

• CA JU SA

#### Canadian citizenship statistics, 1988

Ottawa : Dept. of the Secretary of State of Canada, 1990. 26 p. *Bilingual (Statistiques de la citoyenneté...)*. CSI 21120.004. ISBN 0-662-57570-9  
MICROLOG 90-07236 1 fiche

This publication provides statistics on the principal characteristics of persons granted Canadian citizenship during 1988, and includes such information as province of residence, sex, age, marital status, year of immigration to Canada, country of former allegiance and country of birth. CA EX SA ST

#### Canadian Coast Guard. Research and Development : Annual report 1987-88

Ottawa : The Dept., 1988. 2 v. : ill. Bibliogr. Contents: Vol. 1 : Report -- vol. 2 : Program detail. CSI 22180.002.  
MICROLOG 90-02951 2 fiche

This annual report contains an overview of the results of the Research and Development program. It contains summaries of each project undertaken as part of the program. In addition, it includes a list of reports which resulted from research projects undertaken. CA FI SC

#### Canadian Coast Guard. Research and Development : Annual report 1988-89

Ottawa : The Dept., 1989. 2 v. : ill. Contents: Vol. 1 : Report -- vol. 2 : Program detail. CSI 22180.002.  
MICROLOG 90-06613 2 fiche

Annual report of the Coast Guard's R&D activities in 2 volumes. Vol. I contains an overview of the results of the Coast Guard R&D programs, detailing the objectives and responsibilities of the Coast Guard and the individual R&D programs under which projects were carried out; highlights of achievements and program expenditure summaries by funding sources and key result areas/fleet program areas; future goals, and a list of reports which resulted from research projects conducted in 1988-89. Vol. II contains summaries of each project and a list of reports resulting from research projects conducted in 1988/89, repeated from Vol. I. CA SC ST TR

#### Canadian Commercial Corporation : Annual report 1988-89

Ottawa : The Corporation, 1989. 28, 28 p. ill. *Bilingual*. CSI 22181.001  
MICROLOG 90-02277 1 fiche

The role of the Corporation is to assist in the development of trade between Canada and other nations. This annual report includes an overview of operations, reviews the distribution of CCC sales, and provides financial statements. CA CO EX

#### Canadian Commission for Unesco : Report of the Secretary-General 1989-90

Ottawa : The Commission, 1990. 66 p. CSI 22182.001. ISSN 0317-5693  
MICROLOG 90-05741 1 fiche (Available on fiche only)

The Commission is a Unesco-Canada liaison agency. Its mandate is to coordinate the Unesco programme in Canada and to advise the government in its relations with the

Organization. This report reviews the activities of the Commission relating to the general conference, to the National Commissions and to the implementation of Unesco's Programmes.

• CA EX

#### Canadian competition law and policy : a centennial bibliography, 1889-1989

Ottawa : Consumer and Corporate Affairs, Bureau of Competition Policy, 1990. 252 p. *Bilingual (Législation et politique...)*. ISBN 0-662-57571-7  
MICROLOG 90-06679 3 fiche

The nature and the role of competition policy in Canada's history is a subject of growing interest. This bibliography provides a comprehensive picture of the development of Canada's competition law and policy over the past 100 years. CA CO JU

#### Canadian Council of Ministers of the Environment : Annual report 1988-89

Downsview, Ont. : The Council, 1989. 15, 13 p. : ill. *Bilingual*. CSI 32128.001. ISBN 0-919074-02-2  
MICROLOG 90-02582 1 fiche

Annual report of the Council, giving its history, objectives and organization. Highlights committee achievements in communications, the environment and the economy, air quality, research, toxic substances and water. A financial statement is included.

• CA EV SC

#### Canadian Council of Resource and Environment Ministers : Annual report 1987-88

Ottawa : The Council, 1988. 11, 12 p. *Bilingual*. CSI 32128.001  
MICROLOG 90-00515 1 fiche

Annual review of the Council, presenting information on its origin and composition, highlights of committee projects and achievements. Information is given on committees on air quality, research, toxic substances including waste management, water related issues, and the environment and the economy.

• CA EV NR SC

#### Canadian crude oil supply/demand balances

by J.N. Tanner and A.E. Reinsch. Calgary, Alta. : Canadian Energy Research Institute, 1989. xxxvi, 304 p. : ill. Bibliogr. (Study : 31) ISBN 0-920522-54-8  
MICROLOG 90-01035 4 fiche (Available on fiche only)

This study examines the existing situation relating to crude oil supply and refined petroleum product demand in Canada and, based on reasonable assumptions regarding future energy prices and economic development, provides an analysis of likely future paths of crude oil supply-demand balances. An assessment is conducted of conventional, nonconventional and frontier sources of crude oil supply, along with an evaluation of the oil megaproject agreements announced in 1988. The supply projections are set against a forecast of Canadian refined petroleum product demand and the resulting light and heavy oil balances are examined.

• CA EN SC

#### Canadian Dairy Commission : Annual report 1988-89

Ottawa : The Commission, 1989. 26, 26 p. : ill. *Bilingual*. CSI 22184.001. ISBN 0-662-56926-1  
MICROLOG 90-01665 1 fiche

Annual report of the Commission, covering the main areas of activity, strategic goals, key elements of the national dairy policy, milk



supply management, import controls on dairy products, the target price for industrial milk, support prices, and marketing activities including subsidies and international marketing. A financial statement is included.  
AG CA PA SC ST

### The Canadian dairy industry : where tradition and technology meet

Ottawa : Canadian Dairy Commission ; Dairy Bureau of Canada, 1989. 20 p. : ill. *French ed. (L'industrie laitière canadienne...)* on the same fiche. ISBN 0-662-17414-3  
MICROLOG 90-03254 1 fiche

Overview of the Canadian dairy industry, covering dairy farming and breeds of cows, processing, products, federal and provincial responsibilities, food safety and quality control, research and technology, and the international market. Comparative data is included.  
AG CA SC

### Canadian development assistance terminology

Ottawa : Dept. of the Secretary of State, Translation Bureau, Translation Operations Branch, 1990. xv, 106 p. *Bilingual (Terminologie canadienne de...)*. ISBN 0-662-57278-5  
MICROLOG 90-04741 2 fiche

Contains an English-French-Chinese Vocabulary, a French-Chinese Index, and a Chinese-English-French Index.  
CA EX

### Canadian Developments in Testing Concrete Aggregates for Alkali-Aggregate Reactivity

edited by C.A. Rogers. Toronto : Ministry of Transportation, Engineering Materials Office, 1990. 240 p. : ill., maps. Bibliogr. (Report ; EM-92) ISBN 0-7729-6708-3  
MICROLOG 90-04210 3 fiche

Papers presented at a conference covering methods of testing; reactivity factors in various regions of Canada; and chemical methods used. Abstracts are given for each paper.  
ON PR SC TR

### Canadian earthquakes, 1985-86

by R.J. Wetmiller...et al. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. iv, 25, iv, 25 p. : maps. Bibliogr. (Paper ; 88-14) (Seismological series ; no. 97) *Bilingual (Tremblements de terre...)*. CSI 22282.002. ISSN 0068-7650 ISBN 0-660-55553-0  
MICROLOG 90-02778 1 fiche

Location and magnitude of earthquakes in Canada from 1985-86, as well as information on 32 important earthquakes that have occurred in this century. Locations are shown and a summary of each is given. The report also includes the distribution of seismograph stations, the distribution of the active plate boundary features around Canada and the relative distribution of long-term seismic hazard.  
CA PS SC

### Canadian economics

by R. Dehem. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 19, 21 p. Bibliogr. (Canadian studies resource guide) *Bilingual (L'Economie du Canada)*. ISBN 0-662-56135-X  
MICROLOG 90-01560 1 fiche

Provides a list of essential works on Canada's economy and Canadian political economy. It also identifies resource guides, finding aids, scholarly journals, microforms, audio-visual, and computer-based sources of relevance.  
CA CO

### Canadian electric utilities : analysis of generation and trends, 1987

Ottawa : National Energy Board, 1989. ii, 66 p. : ill. Bibliogr. ISBN 0-662-17087-3  
MICROLOG 90-05078 1 fiche

Report covering the net generation of electricity by Canadian electric utilities during the calendar year 1987, including totals for Canada with the breakdown by province. An analysis of fuel consumption, fuel costs and thermal generating plant heat rates is also included. Historical trends from 1983-87 inclusive are described. The analysis does not include the installed capacity of industrial establishments.  
• CA EN SC

### Canadian emissions inventory of common air contaminants, 1985

by A. Kostelz and M. Deslauriers. Ottawa : Environment Canada, Environmental Protection Service, 1990. xxii, 116 p. : ill. Bibliogr. (Report ; EPS 5/AP/3) *French ed. (Inventaire canadien...)* : 90-04603/2. ISBN 0-662-17661-8  
MICROLOG 90-04604 2 fiche

Environment Canada has maintained a national emissions inventory since the early 1970s. Since that time, the inventory process has been continually modified to minimize the errors in the estimation process and to complement other environmental studies. This report presents the results of the 1985 national emissions inventory, a description of the general methodologies employed, an examination of the computerized data handling system, and additional information assembled for modelling activities.  
CA EV SC

### Canadian energy statistics review, 1988

Ottawa : Energy, Mines and Resources Canada, Energy Statistics Division, 1989. i, 39 p. : ill. CSI 21110.021.  
MICROLOG 90-01054 1 fiche

This annual review of Canadian energy production and domestic demand, energy supply and demand by commodity (petroleum, natural gas, electricity, coal), energy use in the economy, and energy prices is presented mainly through tables and graphs. An overview of the conditions during the year is also given.  
CA EN SC ST

### Canadian Environmental Assessment Research Council : Annual report 1987-88

Hull, Que. : The Council, 1988. 16, 19 p. Bibliogr. *Bilingual*. CSI 22225.001.  
MICROLOG 90-03355 1 fiche

Annual report of the Council, covering council operations; research projects in health, social impacts, cumulative effects and monitoring; and new program initiatives in policy, sustainable development and the economy. A list of graduate student reports from the graduate student research program is also included, as well as the Council's recommendation on EARP reform, sustainable development and the economy.  
• CA EV SC

### Canadian environmental policy : why process is almost everything

by G.B. Doern. Toronto : C.D. Howe Institute, 1990. 12 p. Bibliogr. (Commentary ; no. 19) ISSN 0824-8001 ISBN 0-88806-262-1  
MICROLOG 90-06448 1 fiche

To shed light on the realities of environmental decision making processes, this report proceeds through three stages of analysis.

The first is to appreciate where the impetus for change is coming from; the second is to understand the dynamics of decision making for policies versus projects versus standards setting; and the final stage deals with the influences on decision making of the concepts of democratic legitimacy, concerns about efficiency and international competitiveness, and the dynamics of the scientific, technological, and analytical controversy.  
• CA EV PA SC

### Canadian Environmental Protection Act : reporting for the domestic substances list -- Rev.

Ottawa : Environment Canada, 1988. 113 p. : ill. ISBN 0-662-16534-9  
MICROLOG 90-03096 2 fiche

The Canadian Environmental Protection Act (CEPA) provides the legislative basis for addressing pollution problems on land, in water and through all layers of the atmosphere. It establishes a comprehensive framework to manage toxic substances through their life cycle, from development and manufacture, through transport, distribution, use and storage, to safe disposal as waste. This guide gives information on the CEPA, the domestic and non-domestic substances list and amendments to it; criteria for reporting; how to report; guidelines to substance reporting; confidentiality; and problem letters. The guide also includes relevant sections of CEPA and definitions of terms.  
• CA EV SC

### Canadian fertilizer consumption, shipments and trade, 1988-89

by M. Spearin and K. O'Connor. Ottawa : Agriculture Canada, Policy Branch ; Farm Development Policy Directorate, 1990. ii, 48 p. : ill. CSI 21100.004.  
MICROLOG 90-03480 1 fiche

There is a need for a better understanding of the method of collection and of the assumptions behind different data series regarding fertilizer distribution and use. This paper presents the most current statistics available, describing the sources and identifying possible discrepancies.  
AG CA CO EX SC ST

### Canadian fisheries statistical highlights, 1988

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, Economic Analysis and Statistics Division, 1990. v, 26 p. : ill. *Bilingual (Les Pêches canadiennes...)*. CSI 21105.009. ISSN 0840-7169 ISBN 0-662-57402-8  
MICROLOG 90-05418 1 fiche

Statistical information on landings, production, exports and imports for the Canadian fishing industry in 1988. Important aspects of species and product changes in 1988 are highlighted in the narrative sections. Most data compares the current to the previous year, with a small number of 5-year comparisons.  
CA CF FI SC ST

### The Canadian food and beverage processing sector : considerations for the development of a National Agriculture and Food Strategy

Federal-Provincial Conference of Ministers and Deputy Ministers of Agriculture (1989 : Prince Albert, Sask.). Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 15, 16 p. *Bilingual (Le Secteur canadien de la transformation...)*. MICROLOG 90-02622 1 fiche

A key issue of the Federal-Provincial Ministers of Agriculture Conference is to discuss issues surrounding the development of a policy framework for a national agriculture and food strategy. This report provides background information on the Canadian food and beverage processing sector, including a definition of the



sector and its economic contribution, employment trends and location of activity, input prices and technology, investment performance, opportunities and challenges, and policy considerations.  
• AG CA SC

### Canadian Forces flight trial of individually molded fibreglass lumbar supports

by J.R. Poplow and L.L.M. Bossi. Downsview, Ont. : Defence and Civil Institute of Environmental Medicine, 1988. 29 p. : ill. Bibliogr. (DCIEM research report ; no. 88-RR-12)  
MICROLOG 90-06978 1 fiche

Individually molded fibreglass lumbar supports may be useful in alleviating backache in aircrew members. This paper concludes a two-year flying trial of 13 FW and 25 RW aircrew. Each aircrew member had been referred with a complaint of recurrent backache in their particular flying environment. Thirty-eight aircrew members (36 pilots, one navigator and one AESO) were individually fitted, flew from 5-300 hours wearing the lumbar support, then completed a pre- and post-support subjective evaluation.  
CA LA PS SC

### Canadian Forest Tree Nursery Weed Control Workshop : proceedings

edited by Jean-Paul Campagna. Berthier, Québec : Pépinière forestière de Berthier, 1987. x, 109 p. : ill.  
MICROLOG 90-04214 2 fiche

Proceedings of the workshop, covering testing of oxyfluorfen on bareroot and container seedling production, review of herbicide research in forest nurseries in the Prairies, Ontario, Québec and the Maritimes, and possible use of bioherbicides. The report of the general meeting is included, as well as details on the formation of the Canadian Forest Nursery Weed Management Association.  
FO PR QU SC

### The Canadian Forestry Service Air Pollution Program and bibliography

by P.A. Addison and P.J. Rennie. Ottawa : Government of Canada, Canadian Forestry Service, Forest Science Directorate, 1988. iii, 133 p. Bibliogr. (Information report ; DPC-X-26) ISSN 0705-324X ISBN 0-662-16584-5  
MICROLOG 90-01187 2 fiche

Outline of the air pollution program and explanation of the structure and arrangement of the annotated bibliography of publications generated from it. The bibliography comprises abstracts of publications produced between 1972 and 1988.  
• CA CI EV FO SC

### Canadian geography

by P. Villeneuve. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 22, 24 p. Bibliogr. (Canadian studies resource guide) *Bilingual* (La Géographie du Canada). ISBN 0-662-56213-5  
MICROLOG 90-01561 1 fiche

One of a series of guides which includes an introductory overview of the subject, a commentary on significant works, and suggestions for related information covering resource guides, finding aids, atlases, scholarly journals, microform, audio-visual and computer-based sources.  
CA NR PS SC

### Canadian government and politics

by R.J. Jackson. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 20, 21 p. Bibliogr. (Canadian studies resource guide) *Bilingual* (Le Gouvernement du Canada...). ISBN

0-662-56208-9  
MICROLOG 90-01563 1 fiche

Provides a list of essential works on Canadian government and politics. It also identifies resource guides, finding aids, scholarly journals, microforms, audio-visual, and computer-based sources of relevance.  
CA PA

### Canadian Grain Commission : Annual report 1988-89

Ottawa : The Commission, 1990. 36, 37 p. *Bilingual*. CSI 22192.001. ISSN 0706-2575  
MICROLOG 90-06073 1 fiche

Established in 1912 by the Canada Grain Act, the Commission is responsible to a Minister designated by Governor in Council. This is currently the Minister of State (Grains and Oilseeds), who reports Commission activities to the Parliament of Canada. This report reviews the Commission's routine operations and other activities during the year. It includes the Commission's revenue and expenditures for the fiscal year ending March 31, 1989, and outlines grain handling and quality statistics and compares 1987-88 to 1988-89 crop information.  
AG CA CO ST

### Canadian Heritage Rivers Board : Annual report 1988-89

Ottawa : The Board, 1989. 22, 22 p. : ill. *Bilingual*. Update (4 p.) laid in. CSI 22360.001. ISBN 0-662-056886-9  
MICROLOG 90-01064 1 fiche

Annual report of the Board, a cooperative program of the Government of Canada and 8 of the provinces to give national recognition to the important rivers of Canada and to ensure long-term management that will conserve their natural, historical and recreational values. The report presents information on the beginnings of the program, the functions of the Board, the designated and nominated rivers, the nomination and designation process, systems and background studies being conducted, and the status of designated rivers. An October 1989 update is also included.  
CA EV SC

### Canadian Heritage Rivers System guidelines

Canadian Heritage Rivers Board. Ottawa : The Board, 1990. ii, 30 p. *French ed. (Réseau des rivières...)* : 90-06699/1  
MICROLOG 90-06741 1 fiche

This document contains guidelines adopted by the Canadian Heritage Rivers Board for its management of the Canadian Heritage Rivers System. Included are guidelines for study assistance, for commemorative plaques, for management planning, for CHRS documents; procedures for monitoring designated rivers; and for the selection of Canadian Heritage Rivers.  
CA CU NR SC

### Canadian history

by P.B. Waite. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 22, 22 p. Bibliogr. (Canadian studies resource guide) *Bilingual* (L'Histoire du Canada). ISBN 0-662-56136-8  
MICROLOG 90-01562 1 fiche

This document provides a list of essential works on Canadian history. It also identifies resource guides, finding aids, scholarly journals, microforms, audio-visual, and computer-based sources of relevance.  
CA CU

### Canadian Holsteins : a seminar on quality

Ottawa : Agriculture Canada, 1989. 59 p. : ill. ISBN 0-662-17193-4  
MICROLOG 90-04816 1 fiche

This brochure gives a summary of the dairy

industry in Canada, the methods of data collection and genetic evaluation for milk production and type classification, the breed improvement strategy of Holstein Canada, artificial insemination units, embryo transfer businesses, national coordination, and export facilities. Descriptions of the organization and responsibilities of the Holstein Association of Canada (Holstein Canada) and the National Animal Health Program are also included.  
AG CA SC

### Canadian housing statistics, 1988

Ottawa : Canada Mortgage and Housing Corporation, 1989. 97 p. : ill. *Bilingual* (Statistique du logement...). CSI 22118.002 ISBN 0-660-54795-3  
MICROLOG 90-03890 2 fiche

This report is designed to bring together data relating to house building and mortgage lending activity in Canada. Most of the data are derived from the operations of Canada Mortgage and Housing Corporation, and from Statistics Canada. Data covered include: new construction, housing markets, residential expenditures and investment, mortgage approvals, defaults, arrears, interest rates, National Housing Act programs, unit and borrower characteristics, price indexes, population, and households and housing stock.  
CA CO SA ST

### Canadian Human Rights Commission : Annual report 1989

Ottawa : The Commission, 1990. 79, 87 p. : ill. *Bilingual*. CSI 22194.001. ISBN 0-662-57286-6  
MICROLOG 90-05517 2 fiche

The Commission must endeavour by persuasion, publicity, or any other means that it considers appropriate, to discourage and reduce discriminatory practices and to promote equal opportunity. It is also responsible for fostering public understanding of the Act, and the role and activities of the Commission, and for initiating or sponsoring research programs relating to human rights. This annual report contains information on how the Commission is organized and operated; an explanation of member's terms of appointment, duties and responsibilities; an explanation of the Commission's complaints process; a synopsis of tribunal decisions and court actions; and statistics on the number of complaints and enquiries.  
CA JU ST

### Canadian Hydrographic Service : Activity report, 1987-88

Ottawa : Dept. of Fisheries and Oceans, Communications Directorate, 1989. 36, 36 p. : maps. *Bilingual* (Rapport d'activités...). CSI 22196.001. ISBN 0-662-56508-8  
MICROLOG 90-00332 1 fiche

Annual report of the Service, giving an overview of the year's activities, with more detailed information for Headquarters, the regional offices in Scotia-Fundy Region, Quebec Region, Central and Arctic Region, and Pacific Region. A list of papers and new charts published is also included.  
CA CF NR PS SC

### Canadian Industry Program for Energy Conservation : Annual report 1988

Ottawa : The Program, 1988. iii, 84 p. : ill. CSI 21110.017.  
MICROLOG 90-05736 1 fiche

Annual report of the program, an industry-administered/government-sponsored program for promoting and monitoring energy efficiency throughout the Canadian manufacturing and mining industries. This report gives the results of the 1988 performance in energy conservation, as well as energy consumption and trends. Details on the consumption of



natural gas, refined petroleum products, electricity, coal and coke, and other fuels are included, along with the success of demand-side management programs and reports from the various task forces.  
CA EN PS SC ST

# **Canadian Institute for International Peace and Security : Annual report 1989-90**

Ottawa : The Institute, 1990. 40, 40 p. : ill. Bilingual. CSI 22305.001. ISBN 0-662-57686-1  
MICROLOG 90-07046 1 fiche

The purpose of the Institute is to increase knowledge and understanding of the issues relating to international peace and security from a Canadian perspective, with particular emphasis on arms control, disarmament, defence and conflict resolution. This paper reports on research, public programmes, information services, grants, awards and bursaries, and financial statements. Annexes include institute publications, public programmes, information services, awards and contributions. An auditor's report, financial statements, a schedule of expenses and the Peace and Security Fund report conclude this report.  
CA EX

# **Canadian Intergovernmental Conference Secretariat : Report to governments 1988-89**

Ottawa : The Secretariat, 1989. ii, 14, ii, 14 p. Bilingual. CSI 22198.001.  
MICROLOG 90-02573 1 fiche

The Secretariat was created in 1973 by the First Ministers of Canada, to serve federal-provincial and interprovincial conferences by providing all services required for their organization and administration. This publication reports on conferences, and provides financial statements. It also discusses personnel, and the intergovernmental document centre.  
● CA PA

# **Canadian International Development Agency : Annual report 1988-89**

Ottawa : The Agency, 1990. 122, 126 p. : ill., maps. Bilingual. CSI 22199.001. ISSN 0839-2382 ISBN 0-662-57206-8  
MICROLOG 90-05145 3 fiche

CIDA seeks to support the efforts of developing countries in fostering economic and social programs. These objectives are pursued through official bilateral channels, multilateral development institutions, and support of the development activities of non-governmental organizations and the private sector. In this report, there is a discussion of last year's activities in government, to government programs in anglophone and francophone Africa, the Americas, and Asia, multilateral programs in which Canada participated, such as the World Bank and the International Fund for Agricultural Development, Food Aid initiatives, and the Business Cooperation Program. A statistical annex is included.  
CA CO EX ST

# **Canadian International Trade Tribunal : Annual report 1989-90**

Ottawa : The Tribunal, 1990. ix, 51, ix, 54 p. : ill. Bilingual. CSI 22280.001. ISBN 0-662-57610-1  
MICROLOG 90-07027 2 fiche

The Tribunal is an administrative tribunal operating within Canada's trade remedies system. This annual report presents highlights of the year, and includes information on appeals, and trade and tariff inquiries.  
CA EX

# **Canadian iron ore industry statistics, 1988**

by B.W. Boyd and G. Rheault. Ottawa :

Energy, Mines and Resources Canada, 1989. v, 11 p. (Mineral Policy Sector internal report ; MRI 89/2) French ed. (*Statistique de l'industrie...*) on the same fiche. CSI 21110.011.  
MICROLOG 90-00306 1 fiche

Presents statistics on iron ore producers, crude iron ore mined by variety and grade, and by mining method, disposition of crude iron ore mined; usable iron ore produced, waste/ore concentration ratios; usable iron ore shipped by Canadian producers, by type of product and by destination; stocks of usable iron ore at mines and shipping ports, and an analysis of Canadian iron ore shipments.  
CA NR PS SC ST

# **Canadian literature in English**

by B. Nesbitt. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 41, 44 p. Bibliogr. (Canadian studies resource guide) Bilingual (*La Littérature canadienne...*). ISBN 0-662-56134-1  
MICROLOG 90-01564 2 fiche

This document provides a list of essential works on English Canadian literature. It also identifies resource guides, finding aids, scholarly journals, microforms, audio-visual, and computer-based sources of relevance.  
CA CU

# **Canadian merchant fleet : 1989 annual lists**

Ottawa : National Transportation Agency of Canada, Market Entry and Analysis Branch, 1990. 2 v. Contents: Vol. 1 : A-E -- vol 2 : G-H. CSI 22207.002.  
MICROLOG 90-06171 5 fiche

Alphabetical listing of Canadian merchant fleet ships, covering those of 1,000 gross tons and over; cargo, passenger, survey and other ships; tugs and offshore supply ships, ferries; and government owned and operated ships. A master index is included. Details for each vessel include operator vessel name, gross tonnage, speed, fuel, length and draft, maximum lift capacity, ice class, country in which built and year, and whether ocean-going or not.  
CA SC ST TR

# **Canadian mineral deposits not being mined in 1989**

Ottawa : Energy, Mines and Resources Canada, 1990. vii, 620 p. (Mineral bulletin ; MR 223) CSI 21110.102. ISBN 0-660-14371-3  
MICROLOG 90-03340 7 fiche

Inventory of Canadian mineral deposits for which tonnages and grades have been estimated and which are not expected to be in production by the end of 1989. Each deposit is summarized under several headings and includes name, location, geology, history of work, resource figures, and remarks. The compilation is based on data available to the end of May 1989. Deposits are listed by province.  
CA NR PS SC

# **Canadian minerals yearbook, 1988 : review and outlook**

Ottawa : Energy, Mines and Resources Canada, 1989. 696 p. : ill., maps. (Mineral report ; no. 37) CSI 21110.005. ISBN 0-660-13150-1  
MICROLOG 90-00652 8 fiche

Report on the activity of the mineral industry during 1988. The general review identifies the predominant economic events of the year and indicates the major trends in the Canadian economy, as well as covering the general developments and overall patterns of the mineral industry. Separate reviews cover the regional and international scenes, labour and employment, and exploration. Forty-eight commodities are treated individually and feature

economic developments, uses, prices, exports, production, consumption, and a forecast of the industry's future position.  
CA NR PS SC ST

# **Canadian minerals yearbook, 1989 : review and outlook**

Ottawa : Energy, Mines and Resources Canada, 1990. 707 p. : ill., maps. (Mineral report ; no. 38) French ed. (*Annuaire des minéraux...*) : 90-05724/8 CSI 21110.005. ISBN 0-660-13482-9  
MICROLOG 90-05723 8 fiche

Report on the activity of the mineral industry, including a general review identifying predominant economic events and indicating the major trends in the economy, as well as general developments and overall patterns of the industry during the year. Reviews are given on the regional and international sectors, labour and employment, and exploration. Forty-seven commodities are each treated separately, indicating economic developments, uses, prices, outlook, imports and exports, production and consumption.  
CA NR PS SC ST

# **Canadian multiculturalism -- Rev.**

by W. Sheridan. Ottawa : Library of Parliament, Research Branch, 1989. 19 p. Bibliogr. (Current issue review ; 87-10E) French ed. (*Le Multiculturalisme canadien*) on the same fiche. ISBN 0-660-13395-4  
MICROLOG 90-03027 1 fiche

Examines immigration and multiculturalism, Canada's ethnic composition, the multiculturalism policy formalized, the Charter and multiculturalism, and provincial multiculturalism policies. It also covers parliamentary action on this matter.  
CA CI SA

# **Canadian museum policy : temples of the human spirit**

Canada. Communications Canada. Ottawa : The Dept., 1990. 60, 62 p. : ill. Bilingual (*La Politique muséale...*). ISBN 0-662-57583-0  
MICROLOG 90-06141 2 fiche

This document addresses the matter of protecting Canada's heritage, and discusses the role of museums. It also examines new vistas for museums, and the implementation of the new museum policy. Finally it presents information on the Canadian Conservation Institute, the Canadian Heritage Information Network, the Movable Cultural Property Program, and the Museums Assistance Program.  
CA CU

# **Canadian National : Annual report 1989**

Ottawa : The Company, 1990. 48 p. : ill. CSI 22200.002  
MICROLOG 90-04728 1 fiche

Annual report of Canadian National, a Crown corporation which offers rail-based freight transportation and distribution services throughout Canada and into the U.S. This report gives a 5-year financial and statistical summary; and describes its services to industry; the rail network, the use of technology to add to efficiency and safety; safety and environmental measures; its human resources; and the divestiture of a number of its businesses to make a more efficient operation. A financial review and financial statements are included.  
● CA SC ST TR

# **The Canadian north and its conceptual referents**

by L.-E. Hamelin. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 46, 46 p. : ill. Bibliogr. (About Canada) Bilingual (*Le Nord*



canadien...). ISBN 0-662-56120-1  
MICROLOG 90-00247 2 fiche

Determines how the non-Native population views the Canadian North by exploring four avenues: terminology, perception, circumlocution factors, and habitability. The first section deals with studies of the North. The second section provides a geographic index to define the North. The final section establishes links between the perception of the North and economic development by examining artistic production, territoriality, political structures, big business, and defence.  
CA NO NP

#### Canadian Parks Service interim Policy on Cultural Resource Management

Canadian Parks Service. Ottawa : The Service, 1990. iv, 23 p. *Bilingual* (*Politique intérimaire...parcs...*).  
MICROLOG 90-06746 1 fiche

The Service is responsible for a vast array of cultural resources in public settings at national parks, national historic sites, and historic canals, as well as in collections and at other properties that it administers. This document presents the Service's objectives and principles.  
• CA CU PA

#### Canadian participation : ANUGA '89

by W.J. Curran. Ottawa : External Affairs and International Trade Canada, International Trade Development Branch, 1990. 11 p.  
MICROLOG 90-05449 1 fiche

ANUGA, the world's largest food show, represents each segment of the global and national food industries: importers, wholesalers, distributors, exporters, the catering trade, food and beverage processors, equipment supplies, trade associations and publications. This document reports on Canadian participation, the results of Canadian participation, and on other national pavilions. It includes tables showing Canadian trade with West Germany and Canadian Exports to West Germany.  
AG CA CO EX

#### Canadian Petroleum Association : Annual report 1989

Calgary, Alta. : The Association, 1990. 28, 28 p. : ill. *Bilingual*. CSI 99572.001.  
MICROLOG 90-05109 1 fiche (Available on fiche only)

Annual report of the Association, giving the highlights of the year's activities and the decade in review. Details on industry operations, including exploration, oil sands, investment and rationalization, and governmental policy are given; the results of the deregulation of the natural gas market and the markets for western natural gas; the economics of the petroleum industry, and the need for pipeline expansion. Concerns for the environment and for safety are included, as well as the Association's position on new pipelines to the east coast of the U.S. and to California, and from the Mackenzie Delta. A list of honours and awards is included.  
CA CO EN SC ST

#### Canadian petroleum industry : 1989 monitoring report

Ottawa : Petroleum Monitoring Agency Canada, 1989. 90 p. : ill. CSI 22167.002. ISBN 0-662-17990-0  
MICROLOG 90-06061 1 fiche

Annual report of the Agency describing the financial performance of the oil and gas industry. A summary and highlights are first given, followed by sections on financial performance; sources and uses of funds; comparative performance of the petroleum industry with other industries for net income and capital expenditures; ownership and control trends; research and development activities compared to the previous year for in-house

and contract expenditures; and a 10-year operating summary.  
CA EN SC ST

#### Canadian petroleum industry : 1989 monitoring report : first six months

Ottawa : Petroleum Monitoring Agency Canada, 1989. 101 p. : ill. CSI 22167.003. ISBN 0-662-17431-3  
MICROLOG 90-02257 2 fiche

This report describes the financial performance of the oil and gas industry in Canada during the first 6 months of 1989. The report is based on data from 127 companies accounting for 90% of total revenues of the petroleum industry. The report lists noteworthy happenings in the industry, gives highlights of the 6-month period, then details financial performance, sources and uses of funds, comparative performance with other industries, international flows of funds compared to the previous year, capital structures compared to the previous year, and gives income tax-related data for the current and previous years.  
CA EN NR SC ST

#### Canadian prairie farming, 1960-2000 : an economic analysis

by L. Auer. Ottawa : Economic Council of Canada, 1989. vii, 110 p. : ill. Bibliogr. *French ed. (L'Agriculture canadienne des...)* : 90-01708/2 ISBN 0-660-13262-1  
MICROLOG 90-01709 2 fiche

Describes the magnitude of the current financial crisis in the Prairie provinces, identifies its underlying causes, distinguishes between short- and long-run developments, examines the effectiveness of the major Prairie farm programs, and explores alternative policy options  
AG AL CA CO MS

#### Canadian programs on understanding and managing aging degradation of nuclear power plant components

by J.A. Chadha and J. Pachner. Ottawa : Atomic Energy Control Board, 1989. 12 p. Bibliogr. (Paper : INFO-0319)  
MICROLOG 90-01714 1 fiche

The questions of maintaining adequate safety and reliability of nuclear power plants and the questions of nuclear power plant life assurance and life extension are growing in importance as nuclear plants get older. Age-related degradation of plant components is complex and not fully understood. This paper provides an overview of the Canadian approach and the main activities and their results towards understanding and managing age-related degradation of nuclear power plant components, structures and systems  
CA EN PS SC

#### Canadian Radio-Television and Telecommunications Commission : Annual report 1988-89

Ottawa : The Commission, 1989. 67, 67 p. : ill. *Bilingual* CSI 22205.001. ISBN 0-662-56675-0  
MICROLOG 90-00741 2 fiche

Annual report of the Commission, covering the mandate, legislation in broadcasting and telecommunications, and goals; the public participation process in the Commission's hearings, the Commission's activities in the fields of general radio, FM radio, television, cable, pay and specialty services, and election broadcasting policy, activities in telecommunications such as long distance rate reductions, Between Friends and Teleplus, Teleglobe Canada, extended area service, resale of telecommunications services, and telephone set compatibility with hearing aids; and litigation. A financial report is included, along with an organization chart and a public hearing calendar.  
CA CO ST TE

#### Canadian regional development : the urban dimension

by A.F.J. Artibise and M.J. Kiernan. Ottawa : Economic Council of Canada, 1989. ix, 99 p. Bibliogr. (Local development paper ; no. 12) ISSN 0225-8013  
MICROLOG 90-04063 2 fiche (Available on fiche only)

This document proposes a model of regional economic development which is explicitly urban-based. In formulating this model, it examines the realities of the contemporary Canadian situation. It also reviews some of the current thinking in Europe and the United States about economic development, most of which places an increased emphasis on local, urban-based approaches. In addition, it sketches the outlines of the institutional, economic and political environment with which they would have to contend. Finally, it concludes by suggesting a number of criteria by which future urban economic development initiatives might be judged  
• CA CO

#### Canadian research, development and demonstration activities in coal gasification, coal liquefaction and coal oil mixture combustion

by T.D. Brown. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1979. 13 p. (Report : ERPERL 79-52(TR)) Prepared for use at the Joint China-Canada Seminar on Atmospheric Pollution Control  
MICROLOG 90-04679 1 fiche

Description of the possible measures which the Canadian government could take in utilizing its large coal reserves and reducing the importation of crude oil. The paper summarizes the coal reserves and the strategies proposed. Research and demonstration activities in coal gasification, coal liquefaction and coal-oil mixtures are all described  
• CA CM EN PS SC

#### The Canadian residential duct and chimney survey : final report

Shellair Scientific Ltd. Ottawa : Canada Mortgage and Housing Corporation, Research Division, 1989. iii, 62 p. Bibliogr.  
MICROLOG 90-06838 1 fiche

This report describes the results of a project to better understand the nature and extent of problems with the installed flow and thermal performances of ducts and chimneys in housing. The project began in September 1988, using a duct test rig, a device for measuring air flows and heat losses in ducts and chimneys. The report covers the survey design, the test protocol design, test results and a description of the computer data base developed.  
CA PL SC

#### Canadian science policy : developments and trends

by R. Fawcett. Ottawa : Library of Parliament, Research Branch, 1989. 22 p. Bibliogr. (Backgrounder : BP-222E) *French ed. (La Politique scientifique...)* on the same fiche ISBN 0-660-13499-3  
MICROLOG 90-05371 1 fiche

Examination of the debate over science policy in Canada, whose main players are the universities, government and industry. This report examines the growth of science in this country and the policy measures which guided it, including the Glassco Commission of 1963, the Lamontagne Committee in 1970, Liberal initiatives in the 1970s, Conservative initiatives since 1984 and the present situation. Other areas of discussion involve the funding of basic research, the Centres of Excellence concept, research consortia, and federal actions in the



field of high technology.  
CA CI PA SC

### Canadian textiles industries : human resources study

Canada. Employment and Immigration Canada (Dept.). Labour Market Outlook and Structural Analysis Directorate. Research and Special Studies. Ottawa : Employment and Immigration Canada, 1988. ix, 56, ix, 61 p. : ill. *Bilingual (L'Industrie canadienne du textile...)*.  
MICROLOG 90-00780 2 fiche

The report examines four major themes: the changing competitive and technological environment of the international textiles industry; the performance and markets of the Canadian industry; trends in the size and nature of industry employment; and the implications of technological and competitive change for educating and training the industry's current and future employees.  
CA LA

### Canadian Transport Commission reports, 1986

editor, Joan Archer Cournoyer. Ottawa : The Commission, 1990. xliii, 952 p. *Bilingual (Recueil des décisions de la...)*.  
CSI 22207.008. ISBN 0-660-55752-5  
MICROLOG 90-06046 11 fiche

Reports of cases conducted before the Motor Vehicle Transport Committee, the Water Transport Committee, the Review Committee, the Railway Transport Committee and the Air Transport Committee. Indices are included to decisions, orders, and reports; and cases, decisions and orders, statutes, regulations, rules, and authorities referred to.  
CA SC TR

### Canadian treatment programs for men who batter

Ottawa : Health and Welfare Canada, Social Service Programs Branch, Family Violence Prevention Division, National Clearing House on Family Violence, 1988. 26 p. *Bilingual (Programmes de thérapie...)*. ISBN 0-662-56392-1  
MICROLOG 90-01694 1 fiche

Lists treatment programs by province, and within each provincial list, alphabetically by town or city. It identifies for each, the contact person, address, and telephone number.  
BS CA SA

### Canadian Tree Improvement Association : proceedings

editor: S. Magnussen and T.J.B. Boyle. Ottawa : Forestry Canada, 1989. 2 v. : ill. Bibliogr. Contents: Part 1 : Minutes and members' reports -- part 2 : Tree improvement, picking the winners. ISBN 0-662-17391-0  
MICROLOG 90-05926 4 fiche

These proceedings cover both the business meeting of the Association and the reports from the relevant ministry and Forestry Canada office in each province. The reports cover research in tree genetics and tree improvement programs, including specific species used in logging and shelterbelts. A list of active members of the Association is also included.  
CA FO LS SC

### Canadian volunteers : Spain, 1936-39

by W.C. Beeching. Regina : University of Regina, Canadian Plains Research Center, 1989. xliii, 212 p. : ill., maps. Bibliogr. (Canadian plains studies ; 18) ISSN 0317-6290  
ISBN 0-88977-057-3  
MICROLOG 90-00271 3 fiche (Available on fiche only)

Approximately 40,000 women and men from many countries went to Spain in 1936 to join the Spanish Republican army. About 1,440

Canadians formed part of the International Brigade. This document presents an account of the participation of Canadian volunteers in the Spanish civil war.  
• CA CU EX

### Canadian water quality guidelines : updates, March, 1990 : appendix VI

Task Force on Water Quality Guidelines (Canada). Ottawa : Inland Waters Directorate, Water Quality Branch, 1990. 67 p. Bibliogr. *Bilingual (Recommandations pour la qualité...VI)*.  
MICROLOG 90-05219 1 fiche

Update to the Canadian Water Quality Guidelines, giving guidelines for amounts of picloram, metribuzin and cyanazine in raw water for drinking, recreational water, freshwater for aquatic life, agricultural uses, and industrial water supplies. Background information on uses and production, sources and pathways, environmental concentrations, and forms and fates in the aquatic environment are also included.  
• CA EV NR SC

### Canadian water quality guidelines : updates, September, 1989 : appendix V

Task Force on Water Quality Guidelines (Canada). Ottawa : Inland Waters Directorate, Water Quality Branch, 1989. 64 p. Bibliogr. *Bilingual (Recommandations pour la qualité...V)*.  
MICROLOG 90-05173 1 fiche

Water quality guidelines for permissible amounts of carbofuran, glyphosate, and atrazine in raw water for drinking supply, recreational water, freshwater for aquatic life, agricultural uses, and industrial water supplies. Background information is given on uses and production, sources and pathways, environmental concentrations, and forms and fates in the aquatic environment for each chemical.  
• CA EV NR SC

### Canadian water quality guidelines for carbofuran

by D.M. Trotter, R.A. Kent and M.P. Wong. Ottawa : Environment Canada, Inland Waters Directorate, Water Quality Branch, 1989. v, 34 p. Bibliogr. (Scientific series ; no. 169) *French ed. (Recommandations sur la qualité...)* : 90-02372/1. ISBN 0-662-17142-X  
MICROLOG 90-03121 1 fiche

Carbofuran is a major use systemic pesticide in Canada, although no records are kept on its use except in Nova Scotia, which requires such records after 1986. A literature review was conducted on the uses, fate, and effects of carbofuran on raw water for drinking water supply, freshwater aquatic life, agricultural uses, recreational water quality and aesthetics, and industrial water supplies. This report summarizes the information and presents guidelines for the protection of specific water uses.  
CA EV NR SC

### Canadian Wheat Board : Annual report 1988-89

Ottawa : The Board, 1990. 92 p. *French ed.* : 90-05121/1. CSI 22209.001.  
MICROLOG 90-05416 1 fiche

This annual report reviews the state of the grain industry here and abroad for the 1988-89 growing year. The report highlights the international grain market for wheat, durum, coarse grains, barley, and oats. It covers sales, and supply and transportation of Canadian grain. Financial statements and statistical tables are included.  
AG CA CO SC ST

### Canadian Wheat Board : Report to producers on the 1988-89 crop year

Winnipeg : The Board, 1990. 23 p. CSI 22209.003.  
MICROLOG 90-07096 1 fiche

Annual report for the crop year 1988-89, presenting production and sales information on the world crop and the Canadian crop by type of wheat, prices, sales, transportation and handling. Data is usually presented for the current and previous 10 years. A short financial statement and description of the operations of the board is included. World trade is also discussed in this report.  
AG CA CO SC ST

### Canadian Wildlife Service : Annual review 1987-88

Hull, Que. : The Service, 1988. 59, 65 p. *Bilingual. CSI 22210.001.*  
MICROLOG 90-00548 2 fiche

Annual review of migratory birds conservation, wildlife research and conservation, toxic chemicals, the long-range transport of airborne pollutants, the convention on international trade in endangered species of wild fauna and flora, the committee on the status of endangered wildlife in Canada, the Canadian council on ecological areas, and humane trapping.  
CA EV SC

### Canadian wood-frame house construction -- 2d metric ed.

Ottawa : Canada Mortgage and Housing Corporation, 1988. ix, 239 p. : ill. Bibliogr. *French ed. (Construction de maison...)* : 90-01097/3. ISBN 0-660-12647-8  
MICROLOG 90-06824 3 fiche

This publication explains in detail how a wood-frame house is put together in Canada, using the most commonly employed construction methods and providing suggestions for the selection of suitable materials. The practices described meet or exceed the minimum requirements set out in the National Building Code for 1985. The guide covers location and excavation; details of exterior and interior construction; insulation measures; fire and sound control measures; ventilation; protection against decay and termites; and exterior details such as flashing, eavestroughing and chimneys. A glossary is included.  
CA PL SC

### Canadian Workshop on Harmful Marine Algae : proceedings

edited by S.S. Bates and J. Worms. Moncton, N.B. : Dept. of Fisheries and Oceans, Gulf Fisheries Centre, 1989. iv, 58 p. (Canadian technical report of fisheries and aquatic sciences ; no. 1712) *French ed. (Atelier de travail canadien...)* : 90-02330/1. ISSN 0706-6457  
MICROLOG 90-02329 1 fiche

Proceedings of the workshop, covering production of marine phycotoxins, fate of marine phycotoxins in the food web and the environment, and non-biological aspects of marine phycotoxins. The proceedings consist of abstracts of 23 oral and 8 poster presentations, summaries of the keynote address, the 3 sessions and the panel discussion, outlines of research programs operated by federal and provincial agencies, research priorities derived from the workshop, and a list of participants.  
• CA CF FI LS SC

### Canadian youth in a changing world

by M. Baker. Ottawa : Library of Parliament, Research Branch, 1989. 27 p. Bibliogr. (Background ; BP-128E) *French ed. (La Jeunesse canadienne...)* on the same fiche. ISBN 0-660-13413-6  
MICROLOG 90-03021 1 fiche



This paper discusses behavioural and attitudinal trends among youth and their implications for social policy. It includes some projections of young people's behaviour as adults and their social, political, and economic situation as they age. It focuses on personal lives, smoking, alcohol use and illegal drugs, suicide and accident rates; criminality, education, and employment.  
CA CI SA

**Cancer among former employees of the Johns-Manville asbestos-cement factory in West Hill, Ontario : an updated analysis and assessment of risk**

by M.M. Finkelstein. Toronto : Ministry of Labour, Health Studies Service, 1988. 33 p. : ill. Bibliogr.  
MICROLOG 90-03248 1 fiche

From 1947-80, the Johns-Manville Co. operated a plant in West Hill, Ontario for the manufacture of asbestos-cement pipe, and at times, asbestos-cement construction board, and asbestos insulation materials using three different kinds of asbestos, chrysotile, crocidolite and amosite. The employees experienced a high incidence of lung scarring from the disease asbestosis, and have been at a higher risk of developing the asbestos-associated cancers mesothelioma, lung cancer, and gastrointestinal cancer. This report updates the investigation of the health experience of the 4,729 workers in this population and presents an analysis of risk factors of asbestos-associated cancers. The report also updates the analysis of the cancer experience of the workforce to the end of 1985. Case-control methodology was used to investigate the association between the risk of developing lung or gastrointestinal cancers and a number of potential risk factors, including asbestos exposure, age at hire, and year of hire.  
HE LA ON PR SC

**Cancer experience at Maple Biological Research Facility**

by J.N. Nearing. Toronto : Ministry of Labour, 1988. 78 p. Bibliogr.  
MICROLOG 90-01270 1 fiche

Maple Fish and Wildlife Research Centre is a research facility of the Ontario Ministry of Natural Resources, located in Maple, Ontario at the Southern Research station. In October 1985, the Centre's joint health and safety committee noted the concern of the staff over the number of cancer cases said to have occurred in past and present employees. Since 1970, 10 employees were known to have developed cancer and by October 1985, 6 had died. This report addresses the concerns and examines the occurrence of cancer in workers currently or previously employed at the Centre. Past employment in the main laboratory research building was of particular concern because of the nature of the work performed there and the history of potential occupational exposures. The results of an extensive literature review of health-related effects associated with employment in the biological sciences or related occupations are also presented.  
HE LA ON PR

**Candidates, députées et ministres : les femmes et les élections : suivi d'un répertoire du personnel politique québécois féminin, 1921-87**

par P. Drouilly et J. Donon. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1988. 135 p. Bibliogr. (Bibliographie et documentation ; 29)  
CSI 65101 203. ISBN 2-551-12007-1  
MICROLOG 90-01222 2 fiche

Ce répertoire fournit le nom et l'affiliation politique de toutes les candidates à une élection provinciale ou fédérale, générale ou partielle, et

de toutes les députées à l'Assemblée nationale du Québec ou à la Chambre des Communes, ainsi que le nom et l'affiliation politique des sénatrices représentant ou ayant représenté le Québec au Sénat du Canada. Le répertoire est précédé d'une étude des candidates, députées et ministres, tant au niveau provincial que fédéral, qui comprend une série de tableaux statistiques inédits. Le tout est complété par une bibliographie extensive sur les femmes et les élections.  
PA PR QU SA

**CANMET deep cleaning pilot plant : final report**

Calgary, Alta. : Associated Mining Consultants, 1990. 8 p. CANMET contract: 89059-01-SQ  
MICROLOG 90-05680 1 fiche

Review of the available design, installation of equipment and commission of Phase I and part of Phase II of the deep cleaning section for the 10 t/h pilot plant located at the Coal Research Laboratories, Devon, Alberta. This final report covers the background of the project, the work undertaken, and a description of the process and equipment. An appendix includes the statement of work as initially presented.

• AL CA CM NR PS SC

**CANMET strain monitors for hard rock : description, installation, analysis**

by G. Herget. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. iii, 19 p. : ill. (Report MRL 89-119(TR))  
MICROLOG 90-03371 1 fiche

The CANMET strain monitor was developed to measure with high resolution (0.0004 mm) the deformation of bore holes in hard rock with diameters of 76 mm, 118 mm, and 153 mm. This report describes the installation of the monitor and the calculation of stresses and strains from borehole diameter changes.

• CA CM NR PS SC

**CAP : a new environmental strategy**

Quebec : Gouvernement du Québec, Ministère de l'environnement, 1988. 41 p. ISBN 2-550-19007-06  
MICROLOG 90-03087 1 fiche

Policy statement proposing to change environmental strategies from the treatment of isolated and individual problems to the recognition of the interdependence of natural elements and conservation as the basis of lasting development. The document proposes a new course of action for the Ministry, presents guidelines and action strategies, and gives initial objectives by sector. A list of government agencies, municipalities, business firms, farmers, environmental groups, scientists and general public involved in environmental matters is also included.  
EV PR QU SC

**Capability of kittiwake and thick-billed murre to utilize the energy in capelin and Arctic cod**

by B. Brekke. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 66 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5478) Originally published in Norwegian, by the Biological Institute, the University in Oslo, Blindern at Blindern, Oslo, Norway. ISSN 0704-3716  
MICROLOG 90-00589 1 fiche

This study is part of the Pro Mare seabird project on seabirds in the Arctic to gain knowledge about how much energy seabirds take out of the Barents Sea and how much energy they re-distribute. The report deals with the energy utilization of capelin and Arctic (Polar) cod by black-legged kittiwake and thick-billed murre on Svalbard. Ten birds of each species were held in captivity in individual

cages and were fed for 20 days with capelin and Arctic cod. The energy utilization of the different feeds was found by calculating the difference in energy between the feed intake and energy in guano for each bird per day. The calculations were based on analyses of feed and guano, corrected for positive-negative nitrogen balance.

• CA CF FI LS SC

**The Cape Breton Island fishing industry**

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1990. vi, 61 p. maps. (Economic and commercial analysis report no. 57) French ed. (L'industrie de la pêche) J 90-06184 1 ISSN 0843-5626  
MICROLOG 90-04325 1 fiche

Cape Breton Island is very dependent on the fishing industry, with few alternatives existing for rural communities. Catches included groundfish species, shellfish, and pelagic. This report gives an overview of the fishery and its basic characteristics, its current status; the place of aquaculture in the economy, the sport fishery, and underutilized species and the possibilities of their exploitation.

• AP CA CF FI SC ST

**Un Capital à faire fructifier**

préparé par la Direction du développement forestier de Forêts Canada, Région du Québec, avec Luc Bouthillier. Sainte-Foy, Québec : Entente auxiliaire Canada-Québec sur le développement forestier, 1989. 20 p. ill. L'éd anglaise (Growing benefits) sur la même fiche CSI 22358 002. ISBN 0-662-95113-1  
MICROLOG 90-00914 1 fiche

Les ententes fédérales-provinciales sur le développement forestier constituent un véhicule privilégié pour appuyer tous les intervenants à relever les défis auxquels ce secteur est confronté et à bâtir une forêt de l'avenir. Ce document permet de constater les progrès réalisés dans la poursuite des objectifs fixés. Ces ententes auxiliaires entre les autorités fédérale et provinciale ont pour effet de stimuler le développement forestier et d'accroître l'incidence économique et sociale dans la plupart des régions du Québec et du Canada. Le document relate donc les faits marquants de cette collaboration fédérale-provinciale au Québec.  
CA FO QU SC ST

**Capital estimates, 1990-91**

Fredericton : The Province, 1989. 32, 32 p. Bilingual (Budget des dépenses...)  
CSI 45105 007  
MICROLOG 90-00722 1 fiche

This document contains a comparative statement of estimated expenditure and departmental estimates.  
AP CO PA PR

**Capture of Atlantic salmon in the Mactaquac area and their distribution in the Saint John River system, N.B., from 1983-88**

by J.H. Ingram and B.V. Ensor. Halifax : Dept. of Fisheries and Oceans, Biological Sciences Branch, Freshwater and Anadromous Division, 1990. v, 55 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 791) ISSN 0706-6465  
MICROLOG 90-04786 1 fiche

Counts and summaries of wild and hatchery one-sea-winter and multi-sea-winter Atlantic salmon ascending Mactaquac Dam fish collection facilities and the Mactaquac hatchery migration channel on the Saint John River, New Brunswick, from 1983-88. Distributions include the numbers of male and female fish of wild and hatchery origins retained as broodstock and those trucked to upriver release sites.



Counts of other species, including alewives and blueback herring ascending Mactaquac Dam fish collection facilities are also summarized.

• AP CA CF FI SC

### Caractérisation géotomographique du pilier de surface de la Mine Sigma, Val d'Or, Québec : planification des forages et estime des coûts

par A. Cinq-Mars. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires de recherche minière, 1990. iii, 17 p. : ill. Bibliogr. (Rapport, MRL 90-2(TR))  
MICROLOG 90-06011 1 fiche

La mine Sigma située près de Val d'Or, Québec, désire récupérer un pilier de surface. La géotomographie sismique compte être utilisée afin de définir la qualité du roc et délimiter les anciens chantiers qui circonscrivent le pilier. Ce rapport présente le patron de forages ainsi que les coûts associés à la campagne géotomographique prévue pour mai 1990. Il emprunte le cheminement suivant, puisqu'il résume l'environnement géologique de la mine Sigma introduit le lecteur au site à investir, et, présente les résultats d'une reconnaissance géotomographique effectuée sur le pilier à l'étude.

• CA CM NR PS SC

### Caractéristiques d'un revêtement amorphe (Fe-Cr-P-C) fabriqué par projection aux plasmas thermiques : rapport final

par C. Roy et N. Bacha. Sherbrooke, Québec : Université de Sherbrooke, Département de génie mécanique, 1990. 45 p. : ill. Bibliogr. CANMET contract. 79053-01-SS  
MICROLOG 90-03962 1 fiche

Ce rapport décrit les procédures expérimentales qui ont conduit à la fabrication de revêtements de bonne qualité du point de vue de la structure, l'adhérence au substrat et du faible niveau de porosité, ensuite il compare la résistance à l'usure et à la corrosion des revêtements dans les trois états structuraux.

• CA CM PS SC

### Carbon and nitrogen in sediments of the Scotian Shelf and adjacent waters

by K.S. Saunders, N.F. Crewe and R. Pocklington. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 17 p. : maps. (Canadian data report of hydrography and ocean sciences ; no. 73) ISSN 0711-6721  
MICROLOG 90-05163 1 fiche

Tabulation of the results of total carbon, organic carbon and nitrogen determinations performed upon surficial sediments and subsamples from box cores. These were taken on 4 cruises to the Scotian Shelf and adjacent waters from 1982-88 as an integral part of an ongoing program on sources and sinks of organic matter in coastal waters of Canada.

• AP CA CF NR PS SC

### Carbon dioxide inventory for British Columbia

by W.C. Edwards... et al. ; for Ministry of Energy, Mines and Petroleum Resources. Vancouver, B.C. : B.H. Levelton & Associates Ltd., 1990. xiv, 133 p. : ill. Bibliogr. ISBN 0-7718-8951-8  
MICROLOG 90-06810 2 fiche

This study quantifies anthropogenic CO<sub>2</sub> emissions and natural sinks in an inventory for 1988-2005. Opportunities for reducing CO<sub>2</sub> emissions are also studied and discussed. The inventory is organized into the categories of process sources, stationary combustion sources, mobile combustion sources, solid waste disposal and prescribed burning. Energy consumption

data for B.C. in 1988 were used for the stationary and mobile combustion source categories, except for the gas utilities and railroad sectors where industry data was used. All other information used to complete the inventory were gathered from discussions with industry and government representatives. An inventory of CO<sub>2</sub> sinks in B.C. for 1988 was prepared for forests, rivers, lakes and wetlands.  
BC EV PR SC

### Career options : an occupational handbook for Nova Scotia, 1990

Halifax : Dept. of Advanced Education and Job Training, Planning and Evaluation Division, 1990. xix, 224 p. Bibliogr. ISBN 0-88871-137-9  
MICROLOG 90-04112 3 fiche

The purpose of this handbook is to provide students and other individuals with a brief description of the major occupational groups in the province together with basic labour market information associated with the occupation.  
AP LA PR

### Carleton Place District fisheries management plan, 1987-2000

Ontario Ministry of Natural Resources. Toronto : The Ministry, 1988. 124 p. : ill., maps, fold. maps. Bibliogr.  
MICROLOG 90-00236 2 fiche

Outline of the long-term direction of fisheries management efforts in the Carleton Place District from 1987-2000. The report briefly describes the planning framework; provides an overview of the fisheries resources, states fisheries management objectives and targets, identifies strategies and tactics to meet the objectives, and presents a detailed implementation schedule for the first 5 years. Fisheries are divided into sport, bait, commercial, and rare and endangered species.  
FI ON PR SC

### Carleton Regional Development Commission, Inc. : Annual report 1988-89

Woodstock, N.B. : The Commission, 1989. 16 p. CSI 99560 001.  
MICROLOG 90-03160 1 fiche

The Commission serves the development interests of the region and encourages the promotion, expansion and diversification of industrial activity. This annual report includes a Commissioner's report, and financial statements.  
AP MU PL

### Carpool parking lots : inventory, November 1989

by R. Chisholm. Downsview, Ont. : Ministry of Transportation, Transportation Technology and Energy Branch, Transportation Energy and Productivity Office, 1990. ii, 78 p. : ill. CSI 55134 002  
MICROLOG 90-05532 1 fiche

Inventory surveying parking areas for signs, facilities and vehicle counts. Provides data on the benefits of parking areas for energy conservation, congestion reduction, and safety improvement, together with maps of lot locations.  
ON PR SC ST TR

### Carrying capacity of coho salmon streams

by D.E. Marshall and E.W. Britton. Vancouver, B.C. : Dept. of Fisheries and Oceans, Salmonid Enhancement Program, 1990. vi, 32 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2058) ISSN 0706-6473  
MICROLOG 90-04823 1 fiche

Analysis of stream carrying capacity for coho salmon based on a comparison of coho salmon

smolt yields with rearing space. The 4 variables used to describe this relationship were smolt numbers and biomass, and length and area of stream accessible to spawners. Other factors that might influence carrying capacity, such as nutrient level, stream gradient, temperature and flow, were not examined. The relationships between smolt yield (expressed as numbers and biomass) and rearing space (expressed as length and area of stream) were examined by plotting each smolt yield variable against each rearing space variable for a number of streams. The goodness of fit of data points, obtained using a linear relationship, was then compared with that using a curvilinear or parabolic relationship.  
• BC CA CF FI SC

### Cartes et statistiques démographiques pour certains groupes de langues maternelles : RMR de Toronto, 1986

Toronto : Ministère des affaires civiles, 1989. 341 p. : cartes géogr. (Base de données ethnoculturelles, séries II : données sur la population ; no. 22) Bilingue (Maps and demographic statistics...), CSI 55102 215 ISSN 0714-1289 ISBN 0-7729-5168-3  
MICROLOG 90-05144 4 fiche

Cette publication comprend des tabulations recoupées sur 10 variables socio-économiques, dont langue maternelle, âge, familles, éducation, lieu de naissance, profession et revenu, touchant 26 groupes de langues maternelles. Le critère ayant servi à établir s'il faut inclure un groupe de langue maternelle dans ce volume a été le suivant : l'ensemble du groupe linguistique où toute composante de ce groupe doit représenter au moins 1% de la population totale parlant des langues d'origine dans le secteur géographique en question.  
MU ON PR SA ST

### Cartier Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 16 p. : fold. maps. (Geological data inventory folio ; GDIF 474)  
MICROLOG 90-00702 1 fiche

Geological data inventory for Cartier Township, including a checklist of data sources, metals and mineral reference list, exploration work and drillhole summary by company or individual, results of a general index search, and selected references.  
NR ON PR PS SC

### Cartographie des districts écologiques : normes et techniques

par A. Robitaille. Québec : Ministère de l'énergie et des ressources, Service de l'inventaire forestier, 1988. viii, 109 p. : ill. Bibliogr. En tête du titre Cadre écologique forestier. ISBN 2-550-19394-6  
MICROLOG 90-02025 2 fiche

La cartographie des districts écologiques s'inscrit comme la première étape dans la réalisation d'un cadre écologique forestier. En 1985, le Service de l'inventaire forestier a réuni un groupe de travail pour le développement d'un cadre écologique forestier applicable à l'ensemble du Québec méridional. Son principal mandat vise à fournir aux utilisateurs les outils de connaissance des variables biophysiques du milieu pour l'aménagement forestier. Ce document expose la méthode retenue pour exécuter la délimitation, la caractérisation et la cartographie des districts écologiques  
FO PR QU SC

### Cartographie écologique, échelle 1:20 000 : normes et techniques

par D. Robert et J.P. Saucier. Québec : Ministère de l'énergie et des ressources, Service de l'inventaire forestier, 1989. viii,



84 p. : ill. Bibliogr. *En tête du titre: Cadre écologique forestier.* ISBN 2-550-19404-7  
MICROLOG 90-02003 1 fiche

En 1985, le Service de l'inventaire forestier a réuni un groupe de travail pour le développement d'outils à caractère écologique pour l'aménagement forestier. Le mandat confié à l'équipe, était la réalisation d'un cadre écologique forestier pour la région écologique des basses et moyennes Appalaches. En cours de production, elle a publié certains documents normatifs et méthodologiques, particulièrement pour la prise de données, et pour la cartographie des districts écologiques. Ce document présente les méthodes retenues pour la réalisation des cartes écologiques à l'échelle 1:20 000.  
FO PR PS QU SC

### Cascaden Township

compiled by the staff of the Resident Geologist's Office, Sudbury, Toronto : Ministry of Northern Development and Mines. Mines and Minerals Division, Ontario Geological Survey, 1989. 23 p. : fold. maps. (Geological data inventory folio : GDIF 460)  
MICROLOG 90-00700 1 fiche

Geological data inventory for Cascaden Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

### The Case for the parallel runway at Vancouver International Airport

prepared for the Cabinet Committee on Vancouver International Airport, Vancouver, B.C. : Sypher Mueller International, 1989. v. 64 p. : ill. Bibliogr.  
MICROLOG 90-00757 1 fiche

This study examines the situation at the airport to determine if the operational requirements for the provision of additional capacity through the development of a new runway have been fully analyzed and documented, and to estimate the economic losses to British Columbia as a result of failure to address the current capacity problems. It examines the operational requirements, the environmental issues, the economic case and the business case for the new runway, and proposes a federal and provincial action plan to ensure that the capacity issue is fully addressed as soon as possible.  
BC MU TR

### A Case study of the Kitsaki Development Corporation, La Ronge Indian Band, La Ronge, Saskatchewan

by M.B. Decker and J.A. Kowall. Ottawa : Economic Council of Canada, 1989. vi, 61 p. : ill. Bibliogr. (Local development paper ; no. 5) ISSN 0225-8013  
MICROLOG 90-04062 1 fiche (Available on fiche only)

The Economic Council's project on directions for regional development looked at situations in which local communities had assumed more responsibility for their own development, and considered the lessons to be learned from these experiences. The Kitsaki Development Corporation (KDC) provides a case study of an Indian economic development project at the community level. It was initiated by the La Ronge Indian Band as a vehicle for creating economic development on the La Ronge reserve in northern Saskatchewan and used joint ventures as a business approach, with stress on capacity building. This report describes KDC's activities and analyzes its approach to economic development. Where possible, material on impacts is included, although the Corporation's relative newness

precluded a thorough review. Descriptions are given of the history of the project and the various ventures undertaken, as well as the impacts on the labour force, the quality of life, sustainability, replicability, and competition with existing business.  
• CA CO MS NP

### Castle River Sub-regional Integrated Resource Plan : Annual report 1988-89

Alberta Regional Resource Management Committee. Edmonton : The Committee, 1989. iv, 25 p. *CSI 34126 001*  
MICROLOG 90-04721 1 fiche

Overview of the resource management and development activities occurring under the Castle River Sub-regional Integrated Resource Plan for 1988-89 of the Forest Service, the Fish and Wildlife Division and Alberta Energy. Ongoing administrative and operational activities are also given for each participant. Areas covered include the following: access management; fisheries (habitat development, stream and lake inventories, and fisheries surveys); range (management and improvement); recreation; timber (protection, reforestation and harvesting) watershed; and wildlife (elk, mountain goats and moose).  
AL NR PR SC

### A Catalogue of crude oil and oil product properties, 1989 version

by M.A. Bobra. Ottawa : Environment Canada, Environmental Protection Directorate, River Road Environmental Technology Centre, 1989. vi, 420 p. Bibliogr. (Report : EE-114)  
MICROLOG 90-05733 5 fiche

Compilation of available data on crude oils and petroleum products, emphasizing oils which could potentially impact the environment. Properties listed for each oil are those which will provide an indication of a spilled oil's environmental behaviour and effects. The oils are arranged in alphabetical order and the names used are those given by the authors of the original data or by the suppliers of the samples. For each sample, data is given on type, API gravity, density, viscosity, interfacial tensions, pour point, flash point, vapour pressure, distillation data, emulsion formation tendency and stability, weathering, dispersibility, hydrocarbon group analysis, aqueous solubility, toxicity, and sulphur.  
• CA EN SC

### Catalogue of data on thorium intake, organ burden and excretion

SENEC Consultants Limited. Ottawa : Atomic Energy Control Board, 1989. 60 p. Bibliogr. (Research report : INFO-0330)  
MICROLOG 90-04388 1 fiche

The Board is initiating the critical evaluation of current biokinetic and dosimetric models applicable to estimating exposure to the common chemical and physical forms of thorium encountered. The identification and location of the relevant sets of data are the first steps of this project. This report describes the collection methods and presents catalogues of the data on human and animal studies resulting from exposures under controlled experimental conditions, chronic occupational or environmental situations and actual accidental conditions. The data was identified through the use of computerized literature searches, library research and telephone contact with currently active researchers in the field.  
CA HE LS SC

### Catalogue of grants available to municipalities, 1989

Winnipeg : Manitoba Rural Development, Advisory and Financial Services, 1989. 71 p.  
MICROLOG 90-01437 1 fiche

The catalogue describes the various assistance programs open to local governments, the levels

of funding available, and the eligibility criteria. It includes contact names and regional office addresses  
CO MS MU PR

### Catalogue of tests

by K. Seifried. Ottawa : Public Works Canada, Architectural and Engineering Services, 1988. v. 17. v. 17 p. (Building performance evaluation series. Document B1) *Bilingual (Répertoire d'essais)*  
MICROLOG 90-02180 1 fiche

Index to all the test methodologies in the Class D documents of the Building Performance Evaluation series. The catalogue lists the purpose and technique used for each test methodology and locates the specific test within the series. Tests cover acoustic quality, air quality, energy performance, thermal quality, visual quality, functional use quality, building enclosure, electrical systems, mechanical systems, and structural elements  
CA PL PW SC

### Catch rates by index fishermen in the 4T herring fishery, 1986-87

by D.K. Cairns. E.M.P. Chadwick and C. Bourque. Moncton, N.B. : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1988. v. 19 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1660) ISSN 0706-6457  
MICROLOG 90-01777 1 fiche

Assessment of herring stocks in the southern Gulf of St. Lawrence (NAFO Division 4T) requires a reliable indicator of trends in stock abundance. Recent assessments have used abundance indices based on gillnet catch rates, estimated from landings data from purchase slips and effort data obtained through telephone surveys. Because of difficulties in interpreting catch rates derived from purchase slips, alternate methods are being developed and tested, including acoustic surveys, spawning bed surveys, subjective evaluations by fishermen, and the index fisherman program. In the index fishermen program, catch rates are obtained directly from selected gillnet fishermen through telephone interviews conducted during the fishing season. This paper presents results of the first 2 years of index fishermen data, and evaluates the program's usefulness as an indicator of herring abundance.  
• AP CA CF FI SC

### Cathodic protection of concrete highway bridges

by D.G. Manning. Toronto : Ministry of Transportation and Communications, Research and Development Branch, 1990. 12 p. Bibliogr.  
MICROLOG 90-04591 1 fiche

Overview of the cathodic protection of concrete highway bridges with particular reference to the work of the Ontario Ministry of Transportation. The report includes both bridge decks and substructure components as well as the implications of applying cathodic protection to prestressed concrete members. Results of research studies and operational experience with cathodic protection over 15 years are summarized. The principles of cathodic protection, the materials and components which are used and protection criteria to ensure that corrosion is arrested are described. The need for a monitoring system to ensure effective long-term operation is emphasized and future research activities identified.  
ON PR PS SC TR

### The Catholic school : challenge of its educational project

Quebec : Gouvernement du Québec, Comité catholique, 1990. 39 p. *French ed (L'Ecole catholique : le défi...)* 90-00142/1. ISBN 2-550-15190-9  
MICROLOG 90-05426 1 fiche



Presents the testimony heard on certain factors that play a role in bringing about the educational project, participation in the life of the school, commitment to values, structural constraints, and challenges. It deals with the various practices concerning the educational project and the different conceptions of the Catholic school, and makes an effort to remove certain ambiguities and to define certain concepts more clearly in order to outline the essential components of the Catholic school of today. Finally, it offers an interpretation of article 4 of the Regulation  
ED PR QU

**Causes for morphological variation among populations of herring *Clupea pallasii* in the far eastern waters**

by Y. Kanno. Ottawa: National Research Council, Canada Institute for Scientific and Technical Information, 1989. 12 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5475) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-00593 1 fiche

Examination of the geographic and environmental causes of variations in meristic and morphometric characters of the 10 herring populations in far eastern waters. The study examined the correlations between the characters of each population and the latitude, salinity and water temperature at the spawning grounds through 5 characters of initial growth (upper gill rakers, lower gill rakers, head length-body length relation, predorsal length-body length relation)  
• CA CF FI LS SC

**The Causes of differences in the optical density of dentine layers in mammalian teeth**

by G.A. Klevezal and L.I. Sukhovskaya. Ottawa: National Research Council, Canada Institute for Scientific and Technical Information, 1988. 19 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5357) Originally published in Russian, by the Soviet Academy of Sciences, at Moscow, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-01489 1 fiche

Study on the causes of dentine layer formation using microphotometry and X-ray spectral analysis  
• CA CF FI LS SC

**Causes of the variability of the fecundity and age of sexual maturation in monocyctic fish, based on the example of *Oncorhynchus salmons***

by V.N. Ivankov. Ottawa: National Research Council, Canada Institute for Scientific and Technical Information, 1985. 17 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5137) Originally published in Russian, by the Far Eastern State University Publishers at Vladivostok, USSR. ISSN 0704-3716  
MICROLOG 90-00114 1 fiche

Report of a study on the level of potential fecundity in monocyctic fish (members of the genus *Oncorhynchus*). The study used *O. masu*, a monocyctic species which matures at different times in the rivers of the Maritime Territory (Kiyevka, Uspeniyev, El'duga). Material was also analyzed on a number of other species (*O. keta*, *O. nerka*, *O. gorbuscha*).  
• CA CF FI LS SC

**Cedar Lake fish stock assessment program, 1979**

by W. Lysack. Winnipeg: Manitoba Natural Resources, Fisheries Branch, 1980. v. 45 p. ill. Bibliogr. (Manuscript report ; no. 80-17)  
MICROLOG 90-05594 1 fiche

A year-to-year fish stock assessment program on the Cedar Lake populations of walleye and whitefish was initiated in 1979 in response to continuing requests for quota increases from Cedar Lake commercial fishermen. This report presents the 1979 results in age composition, mortality and survival rate, maturity, growth, fish ages determined by examination of scales and of otoliths, and age composition, mean length and weight, mean age and mortality rate of commercially caught fish. This data is related to the present status of fish stocks to that described by earlier workers and discusses their management implications. Due to manpower restraints, experimental sampling was restricted to one period during early autumn. Commercial catches were sampled once in spring and once in fall. Only 3 experimental gangs were set.  
FI MS PR SC

**Cépages : étude des variations de l'effectif régulier inscrit à temps plein au cours de l'année scolaire, 1984-85**

Québec: Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, 1986. 187 p. Bibliogr. (Bulletin statistique : recherche et développement ; v. 11 no 6) CSI 66131.011 ISSN 0229-0766  
MICROLOG 90-05066 3 fiche

Ce bulletin a pour objectif premier de fournir des renseignements sur la répartition de l'effectif régulier inscrit à temps plein, à la session d'hiver 1985, dans les quarante-trois cépages du réseau d'enseignement public relevant du ministère de l'Enseignement supérieur et de la Science. Les données proviennent du système d'information sur les clientèles du collégial (SICC)  
ED PR QU

**Célébration de la Journée des droits de la personne le 10 décembre 1988 : 40e anniversaire de la Déclaration universelle des droits de l'homme : rapport du Canada aux Nations Unies**

Ottawa: Multiculturalisme et citoyenneté Canada, Programme des droits de la personne, 1989. 32, 28 p. Bilingue (Observance of Human Rights Day...). ISBN 0-662-57031-6  
MICROLOG 90-02465 1 fiche

Ce rapport sur la célébration de la Journée des droits de la personne de 1988 rend compte des activités organisées au Canada pour marquer l'anniversaire. Il a été préparé en étroite collaboration avec les provinces et territoires et a été soumis aux Nations Unies. Il examine particulièrement les activités nationales, et celles qui ont été organisées dans les provinces et dans les territoires.  
CA JU

**Cellulose insulation as an air barrier**

by K. Manning. Edmonton: Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. iv, 46 p. : ill. ISBN 0-88654-260-X  
MICROLOG 90-05712 1 fiche

Can-Cell Industries Inc. has been producing loose-fill and spray applied cellulose insulation for over 15 years. Recent research work conducted by the firm has concentrated on development of a technique for spray applying moistened insulation into the exterior wall cavities of houses. The study determined if the wet sprayed cellulose wall insulation system would function satisfactorily without the use of a polyethylene air/vapour barrier, as well as the influence of interior alkylid paint on the vapour diffusion performance of the wall system. Field work involved construction of a conventional duplex housing unit which was insulated with wet sprayed cellulose in the exterior walls and dry loose-fill cellulose in the attic areas. One half of the unit did not have a polyethylene

air/vapour barrier installed. Air leakage and exterior wall moisture levels were monitored for 12 months after construction.  
AL EN PR SC

**CEMIS : les centres d'enrichissement en micro-informatique scolaire**

Québec: Gouvernement du Québec, Ministère de l'éducation, 1989. 65 p. ISBN 2-550-14863-0  
MICROLOG 90-02515 1 fiche

En complément à l'action menée dans les divers domaines de la micro-informatique, et afin de favoriser l'expérimentation et le développement dans les commissions scolaires, le ministère de l'Éducation a décidé d'implanter des Centres d'enrichissement en micro-informatique scolaire ou CEMIS. Ce programme permet à chacune des commissions scolaires du Québec d'atteindre dans le domaine de la micro-informatique scolaire un degré élevé d'autonomie et de compétence. Ce document se penche particulièrement sur l'annuaire et les fiches signalétiques de centres d'enrichissement en micro-informatique scolaire et l'interconnexion de ressources informatiques scolaires (IRIS)  
ED PR PS QU

**Census of agriculture, 1981 : linkage with income data**

Charlottetown: Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1984. 17 p. : ill. (Economic trends ; no. 22)  
MICROLOG 90-04875 1 fiche

Presents information on total land area of P.E.I. by farm classes, 1951-1981; the number of census farms 1951-1981, the number of census farms by size of farm 1961, 1971, 1981, the number of farms by sales class and value of production by sales class 1971, 1981; census farms, by acreage and sale class, sales per acre of improved land, and capital invested per dollar of sales; acres of improved land, type of farm organization 1981 by sales class, income status of farm operators, major source of income, by sales class, farm operators; number of farm operators reporting farm income as representing 75-100 percent total income 1971, 1981; and the family income of farm operators.  
AG AP CO PR

**Census program : selected comparisons, 1989**

Calgary, Alta.: Calgary Regional Planning Commission, 1989. 12 p. : maps. CSI 89968.002  
MICROLOG 90-06230 1 fiche

The Program is offered to municipalities within the CRPC's planning area and is intended to provide up-to-date demographic information for participating centres. This document summarizes the most recent census information for all the municipalities within the Calgary Region.  
AL MU SA

**Central agencies : their role**

by L. Fortin. Ottawa: Library of Parliament, Research Branch, 1989. 21 p. Bibliogr. (Background ; BP-201E) French ed. (Les Organismes centraux...) on the same fiche ISBN 0-660-13306-7  
MICROLOG 90-01885 1 fiche

The paper focuses on the historical context and recent changes that have affected the Prime Minister's Office, the Privy Council Office, the Federal-Provincial Relations Office, and the Treasury Board Secretariat.  
CA CI PA

**Central America : the peace process -- Rev.**

by M. Rossignol. Ottawa: Library of Parliament, Research Branch, 1989. 18 p. Bibliogr. (Current issue review ; 88-10E)



French ed. (Amérique centrale : le processus.) on the same fiche. ISBN 0-660-13409-8  
MICROLOG 90-03024 1 fiche

Overview of the work done to bring peace to Central America and the Canadian contribution to the process. Background information and an analysis are given for the Contadora peace initiative and the Arias peace plan. Parliamentary action in support for the Contadora initiative, reactions to the Esquipulas II accord, and the actions of the special committee of the House of Commons conclude the paper. A chronology of events is included.  
CA CI EX

#### The Central area in transition : findings of the central area residents' survey, 1989

Toronto : Toronto Planning and Development Dept., 1990. v. 64 p. : ill. On cover: Cityplan '91. 7  
MICROLOG 90-06113 1 fiche

The Central Area Residents' Survey, carried out by the City of Toronto Planning and Development Department in the summer of 1989, gathered the characteristics and opinions of over 1100 households in the Central Area of the City. The questionnaire was mailed out to residents and designed to profile households much as the Census does, and to ask some additional opinion questions about public services. This report summarizes the findings of the study to date.  
MU ON SA

#### Central Area Monitoring Program : Annual report 1988-89

a joint program of City of Toronto, the Municipality of Metropolitan Toronto, Toronto Transit Commission ; prepared by Metropolitan Toronto Planning Dept. Toronto : The Dept., 1989. v. 79 p. : ill., maps. CSI 89187 002  
MICROLOG 90-01055 1 fiche

This report provides time series information on various land use and transportation variables such as population, employment, office space availability and utilization, transportation system usage and travel behaviour characteristics. It presents compiled information based on both ongoing and special purpose surveys during 1988 and makes comparisons to identify trends where data is available from previous years.  
MU ON PL ST

#### Central area trends report

Toronto : Toronto Planning and Development Dept., 1990. iii, 68 p. : ill., maps. On cover: Cityplan '91, 5.  
MICROLOG 90-03116 1 fiche

Examines the regional office market, office development trends in the central core, population change, labour force change, employment trends, transportation, and policy implications.  
MU ON PL

#### Central Labrador regional tourism plan

prepared for the Newfoundland Dept. of Culture, Recreation and Youth. S.I. : Marshall Macklin Monaghan Limited ; Omnifacts Research Limited. 357 p. : ill.  
MICROLOG 90-03259 4 fiche

Summarizes the issues and opportunities concerning the development of a coordinated strategy for tourism development and marketing in the area. It also includes a detailed specialty market analysis.  
AP CU PR

#### Central Labrador regional tourism plan : outfitting overview

prepared for the Newfoundland Dept. of Culture, Recreation and Youth. S.I. : Marshall

Macklin Monaghan Limited ; Omnifacts Research Limited, 1989. 60 p.  
MICROLOG 90-03271 1 fiche

This document presents a review of Canada's outfitting product: fishing, hunting and wilderness adventure sectors; a review of Central Labrador's outfitting industry and the issues which are key to this sector; and a summary marketing and development activities which were recommended in the Tourism Master Plan, a number of which pertain to the outfitting sector.  
AP CU PR

#### Centre canadien de gestion : Le Rapport du principal 1989-90

Ottawa : le Centre, 1990. 24, 21 p. : ill. Bilingue. CSI 22370 001  
MICROLOG 90-06761 1 fiche

Document présentant le rapport annuel du principal du Centre canadien de gestion à l'intention du président et des membres du comité consultatif pour l'année 1989-1990. Il se penche particulièrement sur les points suivants: les pressions sur la gestion publique, l'historique; un monde en évolution, l'accent sur le perfectionnement en gestion, la naissance des lois, le principe évolutif, les activités de la première année, le programme d'orientation, le perfectionnement en gestion, les matières de gestion et les séminaires, les études de cas, la recherche; les réalisations, les découvertes, et les défis.  
CA PA ST

#### Centre culturel franco-manitobain : Annual report 1988-89

St. Boniface, Man. : le Centre, 1989. 19 p. French ed on the same fiche  
CSI 42191 001  
MICROLOG 90-04938 1 fiche

The objectives of the Centre are to fulfill the cultural needs of the Franco-Manitoban community, to promote the training of developing artists, to encourage existing francophone groups and artists, and to provide community access to a building that addresses technical and cultural needs. This report focuses on facilities and services, resident groups, community festivals, visual arts, performances, and special projects. An auditor's report is included.  
CU MS PR

#### Centre culturel franco-manitobain : Rapport annuel 1988-89

St. Boniface, Man. : le Centre, 1989. 24 p. : ill. L'éd anglaise sur la même fiche  
CSI 42191 001  
MICROLOG 90-04938 1 fiche

Le Centre culturel franco-manitobain a pour mission de combler les besoins culturels de la collectivité manitobaine d'expression française, de promouvoir la formation des groupes d'artistes et des artistes en voie de développement, d'encourager les groupes et les artistes francophones déjà en place à continuer leur travail, et de mettre à la disposition de la communauté un édifice et des locaux qui répondent à ses besoins techniques et culturels. Ce document décrit les installations et services, la programmation culturelle, et les groupes résidents. Y inclut sont le bilan financier et un rapport du vérificateur.  
CU MS PR

#### Centre de développement des transports (Canada) : Revue annuelle 1988-89

Montréal : le Centre, 1989. vi, 35. vi, 35 p. : ill. Bilingue. CSI 22293 001. ISSN 0840-9854  
ISBN 0-662-56870-2  
MICROLOG 90-01649 1 fiche

Fondé en 1970, le Centre de développement des transports (CDT) fournit des services de recherche, administrant un vaste programme de R&D dont il conte la réalisation secteur privé,

aux universités et aux associations vouées aux transports. Cette revue annuelle récapitule les activités et réalisations de cet organisme pour l'année 1988-89.  
CA PS SC TR

#### Centre de recherche industrielle du Québec : Rapport annuel 1988-89

Sainte-Foy, Québec : le Centre, 1989. 16 p. : ill. CSI 67134 001. ISSN 0706-2508. ISBN 2-89316-027-1  
MICROLOG 90-01051 1 fiche

Document présentant le rapport annuel du Centre de recherche industrielle du Québec. Ce dernier a pour mission d'agir comme partenaire des milieux d'affaires, industriels et gouvernementaux pour stimuler le développement économique du Québec. Le document fait aussi mention des états financiers.  
PR PS QU SC

#### Centre de recherche industrielle du Québec : Rapport annuel 1989-90

Sainte-Foy, Québec : le Centre, 1990. 20 p. : ill. CSI 67134 001. ISSN 0706-2508. ISBN 2-89316-029-8  
MICROLOG 90-07277 1 fiche

Le CRIQ a pour mission d'agir comme partenaire des milieux d'affaires, industriels et gouvernementaux pour stimuler le développement économique du Québec. Ce rapport annuel trace les grandes lignes des activités du Centre. Il fournit des informations sur les activités de promotion et de vente, sur l'information industrielle et technologique, sur les affaires internationales, ainsi que sur la recherche-développement. Inclut aussi les états financiers.  
PR PS QU SC

#### Centre des sciences de l'Ontario : Rapport annuel 1988-89

Toronto : le Centre, 1989. 19 p. : ill. Bilingue. CSI 56139 001  
MICROLOG 90-05077 1 fiche

Ce document contient le rapport annuel du Centre pour l'année 1988-89. Les éléments suivants sont inclus l'année en bref, l'exposition 'Sport', le cinéma, ainsi que le bilan financier.  
CU ON PR SC

#### Centre international d'exploitation des océans (Canada) : Rapport annuel 1988-89

Halifax : le Centre, 1989. 24, 24 p. : ill. Bilingue. CSI 99432 001. ISBN 0-662-56735-8  
MICROLOG 90-00713 1 fiche

Fondée en février 1985 à titre de société d'Etat, le Centre international d'exploitation des océans s'est vu confier le mandat de prendre l'initiative de la coopération entre le Canada et les pays en voie de développement dans le domaine de la mise en valeur des ressources océaniques. Ce rapport donne des renseignements sur les programmes et les projets des activités globales, du bassin des Antilles, du Pacifique Sud, du sud et de l'ouest de l'Océan Indien et de l'Afrique de l'ouest. Y sont également examinés les projets complétés avant le 31 mars 1988, le rapport du Vérificateur et des états financiers ainsi que les notes afférentes aux états financiers.  
CA NR PS SC

#### Centre national de recherche en hydrologie (Canada) : Rapport annuel 1987-88

Ottawa : le Centre, 1989. 30, 26 p. : ill. Bibliogr. Bilingue. CSI 21148 001. ISSN 0843-5723  
MICROLOG 90-02595 1 fiche

Ce document présente le Rapport annuel du Centre national de recherche en hydrologie



pour l'année 1987-88. Il englobe les rapports des autres organismes occupant le CNRIH en plus de celui de l'Institut national de recherche en hydrologie (NRIH) lui-même. Il donne des renseignements sur le Bureau de la direction, la Division des eaux de surface, la Division des eaux souterraines; la Division de l'écologie aquatique; la Division du soutien de la recherche; la Division des services au personnel, la Direction de la qualité des eaux, le Service de l'environnement atmosphérique; et les publications et les rapports.  
CA EV NR PS SC

#### Centre québécois pour l'informatisation de la production : Rapport annuel 1987-88

Montréal : le Centre, 1989. 16 p. : ill.  
CSI 67275.001  
MICROLOG 90-02572 1 fiche

Le mandat confié au CQIP est de promouvoir l'informatisation dans le secteur de la production au Québec par le biais de la mise sur pied d'un réseau d'unités spécialisées et de laboratoires dont les actions sont faites dans certains secteurs industriels présentant des défis particuliers. Ce document présente le rapport annuel du bilan financier ainsi qu'un résumé des activités de l'organisme pour l'exercice financier terminé le 31 mars 1988.  
PR QU SC TE

#### Centre québécois pour l'informatisation de la production : Rapport annuel 1988-89

Montréal : le Centre, 1989. 16 p. : ill.  
CSI 67275.001  
MICROLOG 90-06058 1 fiche

Document présentant le rapport annuel du Centre québécois pour l'informatisation de la production qui a pour mission la diffusion de l'information relative aux TPAO, la démonstration de ces technologies le développement technique et expérimentation des TPAO, l'aide-conseil aux entreprises et la formation. Il présente le bilan financier ainsi qu'un résumé des activités de l'organisme pour l'exercice financier terminé le 31 mars 1989.  
PR PS QU SC TE

#### Centre québécois pour l'informatisation de la production : Rapport annuel 1989-90

Montréal : le Centre, 1990. 16 p. : ill.  
CSI 67273.001  
MICROLOG 90-07288 1 fiche

Ce document présente le rapport annuel du Centre québécois pour l'informatisation de la production dans lequel figure un rapport des activités ainsi que les états financiers de l'organisme pour l'exercice terminé le 31 mars 1990.  
PR QU SC TE

#### Centre technique des eaux usées (Canada) : Aperçu des programmes, 1989

Burlington, Ont. : le Centre, 1990. 48 p. : ill.  
L'éd anglaise : 90-06121/1. ISBN 0-662-96189-7  
MICROLOG 90-06122 1 fiche

Le CTEU est le centre de recherche sur la dépollution de l'eau le plus avancé au Canada et sert de point central en ce qui concerne les techniques de dépollution de l'eau, lors des négociations commerciales du Canada sur le plan international. Ce document porte principalement sur la division des procédés biologiques, des procédés physico-chimiques, des services de laboratoire, des calculs et de l'informatique et des services de soutien. Il fournit également des renseignements sur les personnes-ressources du centre techniques des eaux usées.

• CA EV NR SC

#### Centres and office areas : a background document in the review of the Official Plan for the Urban Structure, Metropolitan Toronto

Metropolitan Toronto (Ont.). Planning Dept. Policy Development Division. Toronto : The Division, 1989. xxix, 118 p. : ill., maps.  
Bibliogr. (Metropolitan plan review : report ; no. 9)  
MICROLOG 90-05714 2 fiche

This report reviews the implementation of a multi-centred concept and the development of office concentrations in Metro Toronto, namely Centres, Office Parks and Foci. It highlights emerging issues in the development of these office concentrations and the implementation of the multi-centre concept; determines the Metropolitan interests in the development of centres; presents options to change existing policy and suggests directions to achieve the Metropolitan interests; and suggests possible locations for the designation of new centres  
MU ON PL SC

#### CFCs and Halons in Nova Scotia : a use analysis study with recommendations for control options

prepared by John R. Gordon, for the Nova Scotia Department of the Environment.  
Halifax : Dept. of the Environment, 1989. 41 p.  
MICROLOG 90-04595 1 fiche

The Nova Scotia Ozone Layer Protection Act is one of a number of statutory responses by provincial and municipal governments in Canada initiated and designed to help implement Canada's obligations to the 1987 Montreal Protocol on Substances that Deplete the Ozone Layer. Nova Scotia passed enabling legislation to undertake a broad range of measures to protect the global atmospheric commons from abuses by Nova Scotians. However, the Act depends upon the development and implementation of regulations to achieve its full potential. This study was commissioned to develop the necessary background information needed for the preparation of regulations for the control of the chlorofluorocarbon (CFC) and bromofluorocarbon (Halon) groups of substances, and to suggest other appropriate mechanisms or control strategies. The report gives a detailed summary of the result of a survey of industrial and commercial users of CFCs and Halons in Nova Scotia, assesses their potential impact on the industrial sector of restricting their use, and makes recommendations on available control options.  
AP EV PR SC

#### Chaleur Regional Industrial Commission : Annual report 1989

Bathurst, N.B. The Commission, 1990. 8, 8 p.  
Bilingual CSI 46178.001  
MICROLOG 90-05098 1 fiche

Annual report of the Commission, giving an overview of the year's activities, and details on membership, funding from the Atlantic Canada Opportunities Agency, the progress of the regional promotion campaign and the business parks, and assistance to entrepreneurs. A financial statement is included.  
AP PL PR SC

#### Chaleur regional profile -- Rev.

Bathurst, N.B. : Chaleur Regional Development Commission Inc., 1989. iii, 21 p.  
MICROLOG 90-04866 1 fiche

The Chaleur Region covers the trade area of the City of Bathurst, within a radius of 60 km., and includes, in addition to the City, the town of Beresford, and the villages of Nigadoo, Petit-Rocher, Pointe-Verte, Belledune and Jacquet River. This publication provides basic information to potential investors from outside the region. It describes the physical features, human resources and natural resources of the

region, as well as the commercial and community services, educational facilities, energy sources, transportation services, communications, industrial parks, and assistance to industry.  
AP MU PL SC ST

#### The Challenge of technology change in Canadian municipalities : a human resource study

prepared by Coopers & Lybrand ; for the Federation of Canadian Municipalities and the Canadian Occupational Projection System.  
Ottawa : Employment and Immigration Canada, 1988. vii, 147 p. French ed. (Relever le défi : le changement...) : 90-00800/2  
MICROLOG 90-00799 2 fiche

The study identifies the types of technologies which municipalities have adopted and those which are likely to be adopted over the next several years. It also examines the impact of present and future technological change on employment levels, occupations, skill levels, training requirements, and job scope. Finally, it determines the effect that it will have on the provision of services at the municipal level.  
CA LA MU PS SC

#### Challenges for a contemporary statement of the livable region strategy : a working paper

Greater Vancouver (B.C.). Technical Advisory Committee. Vancouver, B.C. : GRVD Development Services, Technical Advisory Committee, 1987. 58 p.  
MICROLOG 90-05166 1 fiche

This paper reviews the historical sources of regional development concepts for Greater Vancouver, and describes the nature of a contemporary strategy. It also reviews the goals expressed in the Official Regional Plan and Livable Region Strategy. In addition, it identifies the public purposes of existing regional development policy, and evaluates the current challenges for that policy. It addresses the topic areas of housing, employment, transportation, the environment, and centres. Finally, it summarizes the main themes which could form the basis of a contemporary strategy.  
BC MU PL

#### Change, challenge and commitment, 1989 : a strategic review

by A. Morrison. Toronto : Canadian Institute of Strategic Studies, 1990. 8 p. (Strategic datalink, 18)  
MICROLOG 90-03509 1 fiche (Available on fiche only)

Review of the principle national and international trends and forces which dominated 1989 in the areas of international political development, international economic development, international environmental development, and Canadian international relations.

• CA EX

#### Changeable message signs : a driver preference survey

by A. Smiley and R. Dewar. Downsview, Ont. : Ministry of Transportation, Research and Development Branch, 1988. x, 170 p.  
Bibliogr.  
MICROLOG 90-00156 2 fiche

The Ministry of Transportation of Ontario is in the process of implementing a freeway traffic management system on Highway 401 in Toronto that includes a changeable message sign system. This report involves a project to discover the type of messages drivers preferred for describing traffic incidents on the highway. As part of the project, a literature review was used to develop a questionnaire on driver preference. The main survey was carried out at Scarborough, Downsview, and Brampton licensing offices in and around



Toronto. Questions were asked on types of information wanted, distance in advance, driver interpretation of phrases, and driver response to various diversionary and advisory messages. This report gives the results of the questionnaire.  
ON PR SC TR

### Changement de rôle pour les professionnels de l'hygiène et de la sécurité au travail? Atelier

Changement de rôle pour les professionnels de l'hygiène et de la sécurité au travail (1988 Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. 52 p. *L'éd anglaise (Occupational Health and Safety...)* : 90-01082/1 ISBN 0-660-92658-X  
MICROLOG 90-03321 1 fiche

Ce document se penche sur les points suivants, les modèles de services de santé actuels, la discussion du rôle des professionnels, la discussion des changements touchant les services d'hygiène au travail, la discussion des difficultés entrevues et des interactions, et les modèles et procédures.  
CA HE LA

### Changement structurel et adaptation : croissance des entreprises et rotation de la main-d'oeuvre

par J.R. Baldwin et P.K. Gorecki. Ottawa Statistique Canada ; Conseil économique du Canada, 1990. xxii, 241 p. : ill. Bibliogr. *L'éd anglaise (Structural change and the adjustment...)* : 90-06766/3. CSI 2215.217F ISBN 0-660-92946-5  
MICROLOG 90-06767 3 fiche

L'objet de cette étude est d'arriver à une estimation des caractéristiques et de l'ampleur de la réaffectation de la main-d'oeuvre et de l'emploi, à court comme à long terme, qui s'inscrit dans la dynamique de l'économie de marché. Entre autres choses, elle cherche à répondre aux questions suivantes: l'importance relative des divers secteurs et industries a-t-elle changé? Comment les taux d'entrées et de sorties influent-ils sur l'embauchage et sur le licenciement des travailleurs? Quelle est l'ampleur de la croissance et de la contraction de l'emploi dans les entreprises établies? Dans quelle mesure la taille de l'entreprise est-elle un facteur dans la création et la perte d'emploi? Quelle est l'importance des cessations d'emploi? Et finalement, les variations de l'emploi dans les industries sensibles aux échanges internationaux sont-elles moins ou plus grandes que dans les autres industries?  
CA CO LA ST

### Les Changements climatiques, la sécurité mondiale et la notion de gouvernement international : résumé des délibérations d'une conférence sur les changements climatiques et la sécurité mondiale

par K. Bush. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1990 65 p. (Document de travail ; no 23) *L'éd anglaise (Climate Change, Global...)* : 90-07058/1. ISBN 0-662-96186-2  
MICROLOG 90-07057 1 fiche

L'Institut canadien pour la paix et la sécurité internationales a réuni des nombreux décideurs et experts, les 11 et 12 avril, pour examiner la nature des changements climatiques, leurs conséquences écologiques, sociales, politiques et économiques, et les stratégies que le monde pourrait adopter pour y faire face, aux paliers régional, national et international. Ce rapport résume les grandes questions ayant été abordées pendant la conférence, dont la science des changements climatiques, le lien entre la science et l'élaboration de politiques, les changements climatiques et les conflits internationaux; le défi lancé aux institutions

internationales, la coopération internationale, les questions et problèmes de politique générale, et, les moyens d'action.  
• CA EV EX SC

### Les Changements technologiques : un défi pour le gestionnaire des ressources humaines

par J. Lyrette. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 21 p. Bibliogr. *Communication présentée lors du Colloque international sur la gestion du personnel des services publics L'éd. anglaise (Impact of technology...)* : 90-05462/1  
MICROLOG 90-05463 1 fiche

Ce document s'intéresse à la gestion du changement dans le bureau d'aujourd'hui et à la gestion du bureau du futur, le bureau de la décennie 1990. Il présente l'expérience de certaines organisations innovatrices qui évoluent déjà dans un environnement technologique avancé et dans un environnement de gestion adapté à ce niveau de complexité technique. Il étudie aussi les résultats de certaines recherches pertinentes et de quelques travaux réalisés au Centre canadien de recherche sur l'informatisation du travail (CCRIT). Finalement, il propose une série de solutions pratiques qui permettront de mieux apprivoiser les technologies informatiques et de profiter de leur plein potentiel.  
CA LA PS SC

### Changes in intracellular free amino acids (FAA) in gill, mantle and adductor muscle tissue of the caged mussel *Elliptio Complanata* exposed to contaminated environments

by K.E. Day, J.L. Metcalfe and S.P. Batchelor Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 50 p. Bibliogr. (NWRI contribution ; 89-104)  
MICROLOG 90-02443 1 fiche

The detection of biochemical changes at the molecular and cellular level of organization in organisms exposed to chemical contaminants may be the earliest and most sensitive indication of a toxic response. One such biochemical tool is the measurement of changes in intracellular tissue concentrations of free amino acids (FAA) in molluscs. This paper presents the results of the monitoring of intracellular tissue concentrations of FAA in caged mussels exposed in situ for 27-29 days and 77-79 days to various point and non-point sources of pollution in the Yamaska River watershed in Quebec. The Yamaska River watershed is known to be contaminated with a number of chemical pollutants including metals, nutrients from both municipal sewage outfalls and agricultural runoff, pesticides and various industrial pollutants.  
CA EV LS QU SC

### Changes in the characteristics of the Playgreen Lake whitefish *Coregonus clupeaformis* population, 1975-81

by J.F. O'Connor. Winnipeg Manitoba Natural Resources, Fisheries Branch, Biological Services, 1982. xi, 64 p. : ill. Bibliogr. (Manuscript report ; no. 82-10)  
MICROLOG 90-05897 1 fiche

The Lake Winnipeg, Churchill Nelson Study Board (1974) reviewed the environmental implications of hydroelectric development, specifically 2-Mile Channel, on the biology of Playgreen Lake with inconclusive results. This report reviews the whitefish fishery and documents changes in the yields and characteristics of the stock from 1975-81. Information was gathered through a commercial sampling program and 1981 experimental fishing program.  
EV FI MS PR SC

### Changes in the decline status of hardwood forests in Ontario, 1986 to 1987

Ecological and Resources Consultants Limited. Toronto Environment Ontario, Air Resources Branch, 1989. vii, 199 p. : maps. Bibliogr. ISBN 0-7729-6254-5  
MICROLOG 90-04736 3 fiche

In recent years some of the damage observed in forest ecosystems has been attributed to anthropogenic air pollutants, referring to the entire range of common airborne pollutants including acid rain. Concern has recently been expressed regarding the possible role of atmospheric pollutants in the decline of hardwood forests in Ontario. In response, a series of projects were initiated to examine this problem within the Acidic Precipitation in Ontario Study. One component study established under this program, the Hardwood Decline Survey, was intended to assess the degree and extent of existing damage to selected hardwood forest sites in the Great Lakes-St. Lawrence and deciduous forest regions of Ontario. This report documents the results of the reassessment of the province-wide plots in 1987.  
EV FO ON PR SC

### Changes in the distribution of the 'Yezo scallop' (*Pecten yessoensis*) and starfishes after mass planting of the scallop on the bottom of Vityaz Bay (Sea of Japan)

by Y.P. Volkov, et al. Ottawa National Research Council, Canada Institute for Scientific and Technical Information, 1985. 13 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 516b) *Originally published in Russian, in the USSR.* ISSN 0704-3716  
MICROLOG 90-00108 1 fiche

The Yezo scallop is a very important part of the fishery in the Far Eastern seas of the Soviet Union but stocks have been greatly reduced in recent years, and artificial culture has been suggested. The main problem in such culture is the low survival rate of young molluscs after planting due to predatory marine organisms, particularly starfish. This report presents the results of a study to observe the behaviour of the Yezo scallop after transplanting the bottom in conditions close to real conditions at marine farms. Vityaz Bay in the Sea of Japan met the conditions of permanent areas suitable for scallop, with natural populations of those starfishes most often present in bottom culture, and technically suited to prolonged detailed diving operations. Scallops were planted with a very high density to facilitate the study of spatial structure and changes in population density. Studies were done from June to October 1980 using standard light diving gear.  
• CA CF FI LS SC

### Channel Area Loggers Ltd. : Annual report 1987-88

Berens River, Man. The Corporation, 1988 20 p. CSI 42192 001  
MICROLOG 90-00669 1 fiche

The Corporation has the mandate to establish an economically viable logging operation providing employment for residents of the area. This annual report reviews major developments, financial results, production, and training. It includes financial statements.  
CO FO MS NP PR SC

### Characteristic of recent herring fishing conditions in Hokkaido

by T. Kobayashi and M. Sasaki. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5434)



Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-00624 1 fiche

Recently, there have been signs that herring stock conditions have changed on the west coast of Hokkaido, Japan. This report presents some of the characteristics noted in recent herring fishing conditions, including the amount and composition of the catch and changes in the phyletic groups.

• CA CF FI SC

### Characteristics of part-time employment in Metropolitan Toronto and the Central Area, 1987

Toronto : Metropolitan Toronto Planning Dept., Research Division, 1988. 12 p. : ill. (Metro facts ; 08). CSI 89181 216  
MICROLOG 90-06159 1 fiche

This report deals with part-time employment which is collected as part of the total annual Metropolitan Toronto employment survey. This comprehensive program was started in 1981 with the collection of full-time employment and part-time in 1982. Part-time employment is defined as workers who do not work a full work week, a full work shift and generally under 30 hours per week.

LA MU ON ST

### Characteristics of rock grenadier accumulations and its behavioural response to trawls

by V.K. Korolkov and A.V. Yakimovets. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 11 p. (Canadian translation of fisheries and aquatic sciences ; no 5339) Originally published in Russian ISSN 0704-3716  
MICROLOG 90-01475 1 fiche

Examination of the characteristics of stocks of rock grenadier in the region of the Middle Atlantic Ridge, its behaviour with respect to trawls, and trawl design parameters suitable for fishing in this region. The studies were done on voyages of a large freezer fisheries trawler and 2 freezer fisheries trawlers from the Soviet Union.

• CA CF FI LS SC

### The Characterization of ash from the BNPD radioactive incinerator

by J.P. Krasznai. Toronto Ontario Hydro, Research Division, 1989. 15 p. Bibliogr. (Report ; no. 89-186-K)  
MICROLOG 90-00406 1 fiche

Incineration of radioactive wastes is one important volume reduction process being utilized at the Bruce Nuclear Power Development Site. The radioactive ash generated as a secondary waste is packaged in galvanized steel containers which are then stored in the low level storage buildings. Currently all of Ontario Hydro's low level radioactive waste is retrievably stored, where it could remain until the radiological hazard has diminished to acceptable levels and then be disposed of in conventional facilities. This report provides information on the levels of radiotoxic, conventional hazardous constituents in radioactive incinerator ash as well as those parameters which will influence solidification selection.

EN ON PR PS SC

### Characterization of estradiol-specific receptors : induction of the synthesis of vitellogenin and its mRNA in the liver of rainbow trout *Salmo gairdneri*

by J.L. Maitre...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 23 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5236) Originally published in French. ISSN 0704-

3716  
MICROLOG 90-02673 1 fiche

In oviparous vertebrates, the vitellus proteins are synthesized in the liver as a large precursor molecule, vitellogenin, which breaks down into phospholipids and lipovitelline after its incorporation into the oocytes. The synthesis and utilization of vitellogenin are phenomena that are closely linked to reproduction and are controlled directly by the estragens estradiol and estrone. This study demonstrates the presence of the different stages of the molecular mechanism for activating the vitellogenin genes in rainbow trout by the binding of estradiol to a specific receptor and induction or modification of the expression of the genes involved in the synthesis of mRNA and vitellogenin.

• CA CF FI LS SC

### Characterization of groundwater contaminants at Elmira, Ont., by thermal desorption, solvent extraction GC-MS and HPLC

by S. Lesage, J.K. Ritch and E.J. Treciakas. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 23 p. : ill. Bibliogr. (NWRI contribution ; 89-155)  
MICROLOG 90-02447 1 fiche

Characterization of groundwater contaminated with industrial wastes contained in landfills is a very difficult task, because usually several hundred different chemicals which were either products or byproducts are codisposed over a very long period of time. Samples were taken from 3 monitoring wells located on the property of the Uniroyal Chemical Co. in Elmira, Ontario. The wells were installed beside or into former waste disposal lagoons. The samples were characterized using on-line thermal desorption GC-MS analysis and the results compared with conventional solvent extraction followed by GC-MS.

CA EV ON SC

### Characterization of light microenvironments and competition in mixed-shrub communities in the interior cedar-hemlock zone

S.I. : Canada-British Columbia Economic and Regional Development Agreement, 1989. 2 p. : ill. (Research memo ; no. 116)  
MICROLOG 90-01824 1 fiche

Results of a project to characterize the effects of mixed-shrub communities on the amount of light available to conifer seedlings, to measure seedling growth and physiological responses to varying levels of competition in these communities, and to develop and evaluate operational procedures for assessing aboveground competition. The amount of light penetrating canopies of non-crop vegetation and its relationship to vegetation cover and height was measured during 1987 and 1988 in sample plots located on several sites in the Arrow and Kootenay Lake forest districts.

• BC CA FO SC

### Le Charbon au Canada

Ottawa : Énergie, mines et ressources Canada, 1989. 6, 6 p. : ill. Bilingue (Coal in Canada). ISBN 0-662-95634-6  
MICROLOG 90-01807 1 fiche

Au Canada, le charbon est important en tant que source de combustible et produit d'exportation. En 1988, le Canada avait recours au charbon pour 14% de son énergie primaire, principalement afin d'alimenter des centrales électriques. Le charbon est le troisième produit minier exporté après le mazout et le gaz naturel, et la plus importante exportation du Canada vers le Japon et la Corée du Sud. Ce document porte sur l'industrie charbonnière canadienne et les défis qu'elle doit relever.

CA EN NR SC

### Charcoal production in Tanzania using improved traditional earth kilns

by B.T. Kimario and K.I. Ngereza. Ottawa : International Development Research Centre, 1989. 27 p. : ill. Bibliogr. (Manuscript report ; 216e)  
MICROLOG 90-00253 1 fiche (Available on fiche only)

Charcoal is an important fuel in urban areas, and its production forms an important source of income to rural dwellers. The project to study charcoal production in Tanzania was initiated in March 1984 and was intended to increase the efficiency of charcoal production using traditional earth kilns, reduce wood waste, improve forest utilization, and meet national energy needs at reasonable prices. This project surveyed the various types of earth kilns used and evaluated the effect of their designs on charcoal yield and quality; measured the technical and economic performance of some improved models of earth kilns; and determined the acceptability of the most appropriate earth kiln model for use by rural charcoal producers.

CA EN EX PS SC ST

### Charged water sprays for dust control in hard rock mines

by G. Knight. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. ii, 15 p. Bibliogr. (Report ; MRL 89-87(R))  
MICROLOG 90-06012 1 fiche

The use of charged water sprays was suggested as a means of increasing mobility of dust particles and facilitating dust collection. The topic was reviewed and excellent dust control demonstrated in a laboratory dust chamber. Four underground test sites were chosen to represent possible applications with the longest residence times available in a hard rock mine extraction operation. This paper outlines all of the results and compares them with the previous laboratory and theoretical results.

• CA CM EV NR SC

### Les Chargés de cours dans les universités québécoises

Québec (Province). Conseil des universités. Sainte-Foy, Québec : le Conseil, 1989. 2 v. : ill. (Avis ; no 89.7) Vol. 1 : Rapport -- vol. 2 : Annexes. ISSN 0709-3985 ISBN 2-550-20236-8  
MICROLOG 90-01192 5 fiche

L'objectif de ce document est de présenter les résultats d'une étude effectuée par le Conseil sur la situation de ces professeurs à temps partiel qu'on appelle 'chargés de cours' à l'intérieur des universités, d'évoquer les problèmes identifiés par rapport aux autres objectifs ainsi qu'à l'examen des conditions de vie et de gestion de cette main-d'oeuvre, et de formuler quelques recommandations susceptibles d'apporter des ajustements intéressants.

ED PR QU

### Charitable gaming : putting the charities back in the driver's seat

Toronto : Ministry of Consumer and Commercial Relations, 1990. 17 p. Bilingue (Jeux de bienfaisance...). At head of title: Draft for Consultation.  
MICROLOG 90-04292 1 fiche

More money is being raised by charitable organizations through gaming than ever before. In 1985, approximately 20 percent of monies wagered in a bingo game were retained by the charitable organization. It is becoming evident, however, that the percentage of proceeds going to the charities is declining. It has become harder for some charities to raise gaming proceeds for their charitable activities because more organizations are competing and saturating local markets. In short, the primary



purpose of fund raising for worthwhile charitable projects has been submerged and lost. This paper outlines the government's concerns regarding charitable gaming and offers possible solutions in order to solicit your written comments  
CI CU ON PR

### La Charte des droits et le droit canadien du travail

par J. Lawrence. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 12 p. Bibliogr. (Etude générale ; BP-196F) L'éd. anglaise (*The Charter of Rights...*) sur la même fiche. ISBN 0-660-92701-2  
MICROLOG 90-01890 1 fiche

Au cours des quelque sept années qui se sont écoulées depuis son entrée en vigueur, la 'Charte canadienne des droits et libertés' a eu, comme prévu, un effet d'une telle portée sur l'évolution du droit canadien que très peu de domaines du droit du Canada et des provinces y ont échappé. Ce document donne des renseignements sur l'application de la Charte et se penche sur les questions particulières de relations du travail.  
CA JU LA PA

### The Charter of Rights and Canadian labour law

by J. Lawrence. Ottawa : Library of Parliament, Research Branch, 1989. 12 p. Bibliogr. (Background ; BP-196E) *French ed. (La Charte des droits...) on the same fiche.* ISBN 0-660-13301-6  
MICROLOG 90-01890 1 fiche

This paper covers the application of the Charter, and presents selected labour relations issues and the Charter.  
CA CI JU LA PA

### Charters Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 22 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 496)  
MICROLOG 90-02990 1 fiche

Geological data inventory for Charters township, including a data sources checklist, metals and minerals reference list, mineral occurrences by location or company, exploration work by company or individual, drillhole summary by company, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

### Charting Canada's future : a report of the demographic review

Ottawa : Health and Welfare Canada, 1989. ii, 74, ii, 74 p. : ill. Bibliogr. *Bilingual (Esquisse du Canada...).* ISBN 0-662-56927-X  
MICROLOG 90-02052 2 fiche

Presents the major trends that will shape Canada's demographic future. The report is divided into 3 parts. The first is a graphic presentation of these trends. The second is a series of notes on the graphs, their sources, and the issues that they encompass. This part also contains suggestions for those who may wish to read more deeply in the scientific literature related to each area. The third comprises the bibliography and a list of the research studies carried out for the review.  
CA CI SA

### Checking unicursality of a mixed graph : a base for an optimal algorithm for the mixed Chinese postman problem

by Y. Nobert, J.C. Picard and P. Samson. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 13 p. : ill. Bibliogr. (Publication ; no. 688)  
MICROLOG 90-04328 1 fiche

The Chinese postman problem is well solved when the original graph contains only arcs or only wedges. The mixed Chinese postman problem is NP-complete and very few papers are devoted to this case. This paper presents an efficient way to check the unicursality of a mixed graph which enables the calculation of a sharp lower bound on the optimal value of the mixed Chinese postman problem using the simplex method. An algorithm is also proposed to achieve optimality by using Gomory cuts and blossom inequalities.  
PR PS QU SC TR

### A Checklist of the mammals of Alberta -- Rev.

by H.C. Smith. Edmonton : Provincial Museum of Alberta, Natural History Section, 1989. iv, 7 p. Bibliogr. (Occasional paper ; no. 11) ISSN 0838-5971  
MICROLOG 90-06662 1 fiche

Checklist of 91 species of mammals recognized as having occurred in the recent past or now occurring in Alberta and for which a museum specimen record exists. The checklist follows a taxonomic arrangement for order, family, genus and species.  
AL EV PR SC

### Chemical analysis of ore tailings reference materials : final report

Technical Service Laboratories. Mississauga, Ont. : The Laboratories, 1988. 9 p. *CANMET contract: 79166-02-SQ*  
MICROLOG 90-05654 1 fiche

Six samples of ore tailings were analyzed for percentages of Si, Fe, Ca, Mg, Al, S, SO<sub>4</sub>, CO<sub>2</sub>, and moisture, as well as ppm of Pb, Zn, Cd, Co, Ni, As, Pt, Pd, and Au. This report gives the results of the analysis.  
• CA CM NR PS SC

### Chemical analysis of ten clays and shales from Ontario

by D.J. Charette, J.C. Hole and E. Mark. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 6 p. (Report ; MS 65-59)  
MICROLOG 90-04632 1 fiche

A program of determining the chemical composition and physical properties of clay and shale deposits of economic interest has been conducted for several years. In the initial stages of the program, about 80 deposits in various parts of Canada were investigated. The present phase covers some Ontario deposits overlooked in the first survey. This report describes the chemical analyses of 10 clays and shales sampled from deposits throughout Ontario.  
• CA CM NR ON PS SC

### Chemical and biological data summary for Lake 222 outflow acidification experiments : Experimental Lakes Area

by J.G. Findeis, R.J. Hall and M. Coleman Taylor. Dorset, Ont. : Ministry of the Environment, Water Resources Branch, 1988. vii, 103 p. : ill. Bibliogr. (Data report ; DR 88/3) ISBN 0-7729-4798-8  
MICROLOG 90-01030 2 fiche

The effects of short-term pH depressions on aquatic biota are poorly documented. This report presents the physical, chemical, and biological data from an acidification experiment conducted on the outflow of Lake 222 in the Experimental Lakes Area of Northwestern Ontario, an area not normally exposed to such pH depressions. Samples were also collected from a lake outflow that has experienced long-term artificial pH depression (Lake 223) and one that has not been impacted in any way (Lake 224). A detailed description of the methods for the collection of the biotic data is

also included.  
EV LS ON PR SC

### Chemical and geotechnical testing of combustion solid wastes for their commercial application

Dearborn Environmental Consulting Group. Mississauga, Ont. : The Group, 1989. iv, 41 p. : ill. Bibliogr. *CANMET contract: 89242-01-SQ.*  
MICROLOG 90-02538 1 fiche

It appears that compared to full-scale combustors, residues from pilot-scale equipment have less desirable geotechnical properties for waste disposal and can contain high quantities of sulphides. In a recent study conducted at the University of British Columbia (UBC), wastes were generated during a combustion trial with Minto coal and a mixture of Elmtree and Texlime limestones as a sulphur sorbent. Analysis of the wastes indicated that residues from the pilot-scale unit had much less desirable geotechnical properties for both waste disposal and utilization than those from the Chatham unit. Subsequently, the UBC pilot-scale unit was modified to improve the combustion performance. This investigation characterized residues produced at the modified UBC pilot-scale combustor and compared them with the results of the previous testing. Samples from the combustion loop were also analyzed for reduced sulphur forms.  
• CA CM EN PS SC

### The Chemical composition and nutritive value of the flesh of the Baleen whale

by K.A. Mrochov and L.S. Badalnova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 5 p. (Canadian translation of fisheries and aquatic sciences ; no. 5488) *Originally published in Russian* ISSN 0704-3716  
MICROLOG 90-01684 1 fiche

Description of the chemical composition and nutritive value of the flesh of baleen whales, mainly fin and sei whales.  
• CA CF FI SC

### Chemical properties of O-antigenic lipopolysaccharides isolated from O2 and O9, in particular, the separation and identification of 2-keto-3-deoxy-phosphoryl-octonate found in their strong acid-hydrolysates

by B. Tsai...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 12 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5306) *Originally published in Japanese, by the Japanese Journal of Bacteriology.* ISSN 0704-3716  
MICROLOG 90-02085 1 fiche

*Vibrio parahaemolyticus* (Vp) is a bacterium which causes food poisoning through such marine products as fresh fish and shellfish. On the basis of agglutination reactions and agglutinin absorption tests, Vp was serologically divided into 11 or 12 O-serum types. This study researches the chemical properties and molecular structure of the lipopolysaccharides (LPS) of Vp O2 and O9. The study also separated the lipids A which are the centers of the endotoxin activity of both LPS and elucidated the composition and presence system of their structural fatty acids, separated from the strong acid-hydrolysates (4N-HCl, 100 C, 45 min.) of both LPS the periodate-thiobarbituric acid reaction-positive substance X, and identified it for the first time. On the basis of the obtained information, the structural background of the LPS molecules is discussed in relation to the LPS of Vp other than O6.  
• CA CF FI LS SC



**Chemical use and distribution in the Regina aquifer region**

Regina : Saskatchewan Environment and Public Safety, Air and Land Protection Branch, 1989. 2 v. : maps. *Contents: Vol. I : Executive summary -- vol. II : Report and appendices* MICROLOG 90-03579 2 fiche

Evaluation of the management and distribution of hazardous chemicals in the Regina aquifer region, as part of an ongoing program to develop a protection plan for the Regina aquifer system. The study involved classifying and estimating the total volume of hazardous chemicals in storage and use, estimating the volume of hazardous chemicals being produced as waste from business and industry, and documenting disposal methods. The survey area included the rural municipalities of Lumsden, Edenwold, Pense, Sherwood and the City of Regina. A total of 169 businesses and institutions participated in completing a questionnaire and conducting a tour of the sites. Estimates of volumes of hazardous chemicals used on-site were provided by the owner or operator representative. EV MS PR SC

**Chemicals and fuels from biomass flash pyrolysis : part of the Bioenergy Development Program (BDP)**

by D.S. Scott. Ottawa : Energy, Mines and Resources Canada, Renewable Energy Branch ; Waterloo, Ont. : University of Waterloo, Waterloo Research Institute, 1988. xvii, 154 p. : ill. Bibliogr. MICROLOG 90-00387 2 fiche

This report is a logical extension of studies reported previously describing the development of the Waterloo fast pyrolysis process (WFPP), and optimization studies carried out in a 3 kg/h small pilot plant unit. Analysis of the liquid product earlier produced showed that high yields of some unique chemicals were also obtained and that an easy separation of the crude oil into lignin-derived and carbohydrate-derived fractions was possible. Further work was then carried out to assess this separation method and to devise methods of recovery for specific chemicals from the crude fractions. Past pilot plant experience as well as a previously reported economic feasibility study both suggested that scale-up of the WFPP to a process demonstration unit was warranted. The report describes the initial efforts to produce chemicals from the cure pyrolysis oils, and presents a design for a mobile 5 t/day PDU for the WFPP.

• CA EN ON PS SC

**Child abuse -- Rev.**

by M. Baker. Ottawa : Library of Parliament, Research Branch, 1989. 22 p. Bibliogr. (Current issue review ; 82-17E) *French ed (L'Enfance maltraitée) on the same fiche* ISBN 0-660-13373-3 MICROLOG 90-03018 1 fiche

Provides information on children's rights, early detection of child abuse, a definition of child abuse, the extent of child abuse, the role of federal government, mandatory reporting, central registries, and some provincial initiatives. It also covers federal and parliamentary action on this matter. BS CA CI SA

**Child abuse : discussion paper**

by A. Wachtel. Ottawa : Health and Welfare Canada, Family Violence Prevention Division, 1989. ii, 44 p. Bibliogr. *Presented at the National Forum on Family Violence : working together* MICROLOG 90-00766 1 fiche

This discussion paper is in two main sections. The first sets out the historical context of the child abuse field. The second is a discussion

of a series of dilemmas in the field, areas of conflict over priorities, approaches, or resource allocation decisions. BS CA CI SA

**Child care arrangements in Newfoundland**

by B. Lacey. St. John's : Women's Policy Office, 1989. 23 p. : ill. Bibliogr. ISBN 0-920769-62-4 MICROLOG 90-03093 1 fiche

Reports on a study which was conducted to assess the availability and accessibility of child care in the province, assess cost, and to find out the types of child care parents in the province were using. It ascertains what parents saw as important factors in child care, who they felt should pay for child care, and how satisfied they were with their child arrangements. AP CI PR SA

**Child care needs study : status report, phase III : attitudinal survey and progress report, third-quarter**

Scarborough, Ont. : Scarborough Planning Dept., 1990. 67 p. MICROLOG 90-05868 1 fiche

At its meeting of April 10, 1989, Council authorized the execution of a Contract of Agreement between the City of Scarborough and Health and Welfare Canada, to carry out a Child Care Needs Study and Implementation Strategy. This report presents a summary and analysis of the Consultant's findings. MU ON SA

**Childhood leukaemia around Canadian nuclear facilities, phase 1 : final report**

by E.A. Clarke, J. McLaughlin and T.W. Anderson. Ottawa : Atomic Energy Control Board, 1989. vii, 58 p. : maps. Bibliogr. (Report ; INFO-0300) MICROLOG 90-00454 1 fiche

Recent studies in the U.K. have demonstrated an increased occurrence of childhood leukaemia in the vicinity of nuclear facilities involved in fuel reprocessing and weapons manufacturing. This study investigated whether or not there existed clusters of leukaemia among children born to mothers resident in the vicinity of nuclear facilities (research facilities; uranium mining, milling and refining, nuclear power generating stations) in Ontario. Seven hundred and ninety-five children from 0-4 years who died of leukaemia from 1950-86, and 951 children who were diagnosed with leukaemia from 1964-85, were identified from the Ontario Cancer registry. Residence at birth was obtained from birth certificates and residence at death was obtained from Ontario Cancer Registry records or death certificates. Analyses were performed separately for each type of facility, and for county and a 25-km radius. Relative risk estimates were calculated for each facility and each geographic area as the ratio of the observed over the expected number of events for each area. For the calculation of mortality ratios by residence at death, the expected values referred to the number of deaths that would be expected, on the basis of provincial rates, in a given population of children aged 0-4 years. For the calculation of mortality and incidence ratios by residence at birth, the expected values referred to the number of events that would be expected for a given number of live births. CA CI EN EV HE SC

**Chinese-Canadian metallurgical coal blends : prediction of coke characteristics**

by J.T. Price, J.F. Grandsen and T.D. Brown. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1980. 8 p. : ill. Bibliogr.

(Report ; ERP/ERL 80-28(TR)) MICROLOG 90-04504 1 fiche

Calculations were carried out to predict some coke characteristics that can be expected from simple blends of Chinese and Canadian metallurgical coals. The objectives of the calculation were to define the approximate coke stability factor and ash content that could be produced from these blends during carbonization in slot-type ovens. • CA CM NR PS SC

**Chironomids, lake development and climate : a commentary**

by W.F. Warwick. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 5 p. Bibliogr. (NHRI contribution ; no 89006) *In Journal of Paleolimnology*: vol. 2, no. 1, 1989. ISSN 0838-1992 MICROLOG 90-06483 1 fiche

This paper discusses the controversy concerning chironomid remains as indicators of paleoclimate. In reviewing the results obtained by Walker and Mathewes from Mike, Misty and Marion Lakes in B.C., differences are considered between responses to climatic amelioration and trophic change and the apparent effects of the Mazama ashfall. BC CA NR SC

**Chlorophenols and their impurities : a health hazard evaluation**

Ottawa : Health and Welfare Canada, 1988. 72 p. Bibliogr. *French ed (Les Chlorophénols et leurs...)* : 90-04340/1. ISBN 0-662-17367-8 MICROLOG 90-04341 1 fiche

Chlorinated phenols have been identified as chemicals of concern in Canada because of their toxic properties, widespread use and resulting presence in environmental media and in biota. This report is a summary of published reviews and recent literature on chlorinated phenols, concentrating on their toxicity and the implications of their use for health. The conclusions and recommendations are based on health concerns alone. CA EV HE SC

**Les Chlorophénols et leurs impuretés : évaluation du risque pour la santé**

Ottawa : Santé et bien-être social Canada, 1988. 82 p. Bibliogr. *L'éd. anglaise (Chlorophenols and their...)* : 90-04341/1. ISBN 0-662-95731-8 MICROLOG 90-04340 1 fiche

Il s'agit d'un résumé des revues publiées et de la documentation récente sur les chlorophénols. Il porte principalement sur la toxicité des chlorophénols et les répercussions de leur utilisation sur la santé. Les conclusions et les recommandations émises sont basées uniquement sur des critères de santé, elles résument les répercussions potentielles des chlorophénols chez l'homme et sur son environnement. CA EV HE SC

**Choice and challenge : global teamwork in developing a contraceptive implant**

Ottawa : International Development Research Centre ; New York : Population Council, 1990. x, 73 p. : ill. Bibliogr. (Manuscript report ; 278e) *French ed (Choix et défis : la recherche...)* : 90-05989/2. ISBN 0-88936-565-2 MICROLOG 90-03844 1 fiche (Available on fiche only)

Documentation of the research, development, and introduction of NORPLANT, a new contraceptive. It is a small device that, when implanted under the skin, provides a woman with reversible protection against conception for



5 years. An evaluation and analysis of its use is also included  
CA EX HE SC

**Choices : a three-year action plan to address spousal assault, 1986-89 : first annual report**

Northwest Territories. Ministerial Committee on Spousal Assault. Yellowknife : The Committee, 1987. ii, 26 p. *CS1 75116 002*  
MICROLOG 90-02426 1 fiche

Contains a list of ministerial committee members, a list of recommendations, action implemented, and general comments. It also reports on contributions.  
CI NO PR SA

**Choix et défis : la recherche d'un implant contraceptif, un effort mondial**

Ottawa : Centre de recherches pour le développement international ; New York Population Council, 1990. x, 84 p. : ill. Bibliogr. (Rapport manuscrit : 278f) *L'éd anglaise (Choice and challenge : global...)* 90-03844-1 ISBN 0-88936-566-0  
MICROLOG 90-05989 2 fiche

Cette publication documente la recherche, le développement et l'introduction d'un nouveau contraceptif. Il s'agit de l'histoire du Norplant, un minuscule dispositif que l'on peut implanter sous la peau pour assurer à une femme pendant 5 ans une protection contre la grossesse non désirée. Le cheminement des implants Norplant, des laboratoires de recherche aux programmes de planning familial, s'étale sur plus de deux décennies. Le document se penche particulièrement sur le projet Norplant, l'introduction du Norplant, et l'évaluation et l'analyse.  
CA LS PS SC

**Le Chômage au Canada : aspects frictionnels, structurels et conjoncturels**

par A. Burns. Ottawa : Conseil économique du Canada, 1990. xi, 73 p. : ill. Bibliogr. (Document de travail ; no 1) *L'éd anglaise (Unemployment in Canada...)* : 90-03226-1  
MICROLOG 90-03225 1 fiche (Available on fiche only)

Cette étude fournit des estimations du taux de chômage naturel. En outre, elle décrit quantitativement l'influence que différents facteurs ont exercée sur le taux naturel au cours des 25 dernières années. L'analyse montre qu'au début de 1987, la plus grande partie du chômage au Canada était de caractère structurel. Elle présente également des estimations trimestrielles du taux de chômage naturel au Canada pour la période de 1963 à 1987. On y examine particulièrement le taux de chômage de Lilien et Samson; la spécification révisée; l'estimation; la décomposition du taux de chômage naturel; et, la conclusion.  
● CA LA

**Le Chômage régional au Canada : un pays en déséquilibre : rapport intermédiaire**

rapport présenté au ministre de l'Emploi et de l'immigration, par le Conseil consultatif canadien de l'emploi et de l'immigration. Ottawa : le Conseil, 1989. xiii, 54, xiii, 54 p. : ill. *Bilingue (Regional unemployment in Canada...)*  
MICROLOG 90-02755 2 fiche

Le document examine les points suivants. le chômage régional, les caractéristiques des régions à chômage élevé; les questions et les problèmes soulevés par les régions, les stratégies visant l'expansion et la croissance de l'emploi dans les régions; les problèmes liés à l'expansion locale, les mesures, les initiatives et les politiques nécessaires; les conclusions, et,

les recommandations.  
CA LA SA

**Choosing the real interest rate to value fully indexed pensions, report no. 1**

by J.E. Pesando. Toronto : Ontario Public Sector Pensions Consultations, 1988. iii, 19 p. Bibliogr.  
MICROLOG 90-02982 1 fiche

This document reviews the economic analysis which underlies the choice of an interest rate to value fully indexed pensions, and provides an estimate of this interest rate.  
CO ON PR

**Choosing wellness : an approach to healthy aging**

Victoria : Ministry of Health, Community and Family Health, 1988. 89 p. : ill. ISBN 0-7726-0822-9  
MICROLOG 90-03507 1 fiche

Guide to help older adults achieve and maintain a sense of well-being. The guide covers exercise, nutrition, methods of coping with stress, preventative medical care, and making the choice for health  
BC HE PR SA

**Chown Township**

compiled by the staff of the Resident Geologist's Office, Cobalt, Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 20 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 497)  
MICROLOG 90-02994 1 fiche

Geological data inventory for Chown Township. Including a checklist of sources, metals and minerals reference list, exploration work done by company, newspaper clippings, results of a general index search, selected references, and aerial photographs available.  
NR ON PR PS SC

**CHS contract 06-146 GPS at sea for hydrographic surveying : final report**

Nortech Surveys (Canada) Inc. Ottawa : Dept. of Fisheries and Oceans, Canadian Hydrographic Service, 1989. iii, 66 p. : ill. Bibliogr.  
MICROLOG 90-05209 1 fiche

Review of the upgrading of the existing HYDROSTAR GPS positioning program, the development of improved positioning algorithms which exploit the use of accurate carrier phase measurements, and the determination of the effects of antenna imaging and multipath on GPS measurements in a controlled kinematic environment.  
AL CA CF PS SC

**Churchill research range feasibility study : an executive summary**

Spece Associates Inc. Winnipeg : Dept. of Industry, Trade and Tourism, Industrial Technology Branch, 1989. 12 p.  
MICROLOG 90-01457 1 fiche

The Churchill Research Range, Canada's one and only rocket launch facility, was developed out of an international endeavour in geophysical research in 1957 and is scheduled to close in 1992. This study was undertaken to advise the Manitoba government on methods of convincing the federal government to rescind the closing and to continue using the facility as a northern research station. Recommendations are included, including sales projections to 1998.  
MS PR PS SC

**Churchill Township**

compiled by the staff of the Resident Geologist's Office, Cobalt, Toronto : Ministry of

Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 78 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 566) *Fold. maps not filmed*  
MICROLOG 90-04561 1 fiche

Geological data inventory for Churchill Township, including a checklist of data sources, a reference list of mineral commodities, mineral occurrences by individual or company, type of exploration work by company, drillhole summary by company, results of an airborne geophysical survey, results of a geochemical survey, aerial photos available, topographic maps available, newspaper clippings, results of a OGS-ODM general index search, and selected references  
NR ON PR SC

**CIDA and sustainable development : how Canada's aid policies can support sustainable development in the Third World more effectively**

Halifax : Institute for Research on Public Policy, 1989. xiii, 99, xiv, 111 p. Bibliogr. *Bilingual (L'ACDI et le développement durable...)* ISBN 0-88645-097-7  
MICROLOG 90-02505 3 fiche

Report on the supporting of sustainable development in developing countries, beginning with an overview on the growth imperative and its implications for economically and ecologically sustainable development and identifying some of the obstacles and constraints limiting the possibilities for moving towards it. Measures to encourage and support the integration of environmental considerations in economic and sectoral policies are described, as well as measures to preserve and enhance the ecological capital base of recipient countries. The urban dilemma, measures to promote the democratization of the development process and a number of operational priorities for sustainable development conclude the report.  
● CA EV EX PA

**Circulating fluidized bed combustion of western Canadian fuels**

by J.R. Grace...et al. Vancouver, B.C. University of British Columbia, Dept. of Chemical Engineering, 1989. xiv, 179 p. : ill. Bibliogr. *CANMET contract 79136-01-SS*  
MICROLOG 90-02549 3 fiche

Description of tests carried out during 1987-89 in the 152 mm sq x 7.3 m tall University of British Columbia pilot scale circulating fluidized bed combustion unit. The unit was first modified to increase its flexibility, safety and capability. Combustion tests were then carried out with Highvale coal (a subbituminous Alberta coal), Minto coal (a high sulphur bituminous coal from New Brunswick), Poplar River lignite from Saskatchewan, an anthracitic coal from Mt. Klappan, BC and 2 pitches derived from upgrading of unconventional crudes. Calcining tests were also conducted using a calcium carbonate of direct interest to the pulp and paper industry. Typical operating conditions were temperatures from 800-950°C, superficial gas velocities of 5-9m/s, solids circulation rates of 20-100 kg/sq m s and solids feed rates of 15-25 kg/h. The secondary/primary air ratio was varied from about 0.3 to 2. This report describes the results of those tests  
● CA CM EN PS SC

**The City for women : no safe place**

by L. MacLeod. Montreal : European and North American Conference on Urban Safety and Crime Prevention, 1989. 60, 66 p. Bibliogr. *Bilingual (La Femme dans la ville...)* A paper for the European and North American Conference on Urban Safety and Crime Prevention / funded by the Corporate Policy Branch, Secretary of State Canada  
MICROLOG 90-00630 2 fiche



Explores the extent, characteristics, and consequences of women's experiences with fear and victimization. The report presents these findings in light of women's wider vulnerability in Canadian society. It reviews briefly relevant recommendations and concerns of women's groups in Canada. Using these various information tools, it suggests specific recommendations appropriate for municipalities. CA CI SA

**City of Calgary comprehensive annexation : Calgary Regional Planning Commission's submission to the Local Authorities Board**

Calgary Regional Planning Commission. Calgary, Alta. : The Commission, 1989. 46 p. : ill., maps. MICROLOG 90-04354 2 fiche

Annexation application by the City of Calgary of 95 sq miles of land primarily to the north and south of its existing borders, to accommodate a population increase which is expected to bring the City's population to 1,151,300 people by 2020. The application presents arguments relating to the need for annexation, long-term urban expansion areas, present and future land uses, constraints of development, and impacts on affected municipalities. Factors for and against annexation are given also. The response of the Energy Resources Conservation Board and a staff report to the Calgary Regional Planning Commission are also included. The staff report reviews each of the arguments of the application. AL MU PL SC

**City of Edmonton housing market report, 1989**

Edmonton : Edmonton Planning and Building Dept., 1989. 33 p. Bibliogr. CSI 89453 009. MICROLOG 90-06763 1 fiche

This report is an examination of the present and future Edmonton housing market. Within the study, there is a focus on projections and market activity, all in relation to the City's interest in housing and residential land development. It provides an analysis and forecast of housing activity for use within the City of Edmonton civic administration, along with housing related data to the development and building industry. AL CO MU PL ST

**City of Halifax**

compiled by Garry Shuttak. Halifax : Public Archives of Nova Scotia, 1990. 13 p. (Nova Scotia genealogical sources county guide series, no. 8). ISBN 0-88871-156-5. MICROLOG 90-06505 1 fiche

Provides a quick access via a standard list to specific sources available at the Public Archives of Nova Scotia. The list is divided into published sources (published genealogies; published community/county histories; directories; and newspapers) and manuscript sources (papers of families and individuals, church registers; community records and unpublished histories; cemetery inscriptions; census records; education papers, land records; vital statistics; deeds; wills, and some map sources). AP PR SA

**City of Moncton, general section : financial statements, December 31, 1989**

Moncton (N.B.). Moncton, N.B. : The City, 1990. 31 p. CSI 89704 001. MICROLOG 90-06948 1 fiche

Contains Auditors' report, statement of revenue, expenditure and surplus, revenue and capital fund balance sheet, statement of investment in capital assets, statement of capital financing, notes to the financial statements, other funds' balance sheets and supporting schedules. AP MU PA

**City of Toronto industrial directory**

Toronto : Toronto Planning and Development Dept., 1989. 203 p. MICROLOG 90-00781 3 fiche

The directory contains information on more than 3,700 firms across the city in a wide range of industrial sectors. It includes data on each industrial establishment, organized by industry and sector, together with a complete listing of all industries in alphabetical order by establishment. CO MU ON

**Civil aviation terminology manual**

Ottawa : Transport Canada, Aviation Regulation Directorate, 1988. vii, 623 p. Bibliogr. French ed. (*Manuel de terminologie...*) on the same fiche. ISBN 0-660-13035-1. MICROLOG 90-00008 13 fiche

Manual giving French and English labels to concepts, objects and activities within the general field of aeronautics in order to standardize expressions and ensure the perception of an identical message by individuals, as well as to prevent confusion and negative impacts on aviation safety. Definitions are included to clarify some concepts. Terms are listed in alphabetical order, with origins or explanations where needed. Symbols are listed alphabetically according to their names. CA SC TR

**Civil Aviation Tribunal of Canada : Annual report 1989**

Ottawa : The Tribunal, 1990. 29, 29 p. : ill. Bilingual. CSI 22136.002. ISBN 0-662-57170-3. MICROLOG 90-04708 1 fiche

Annual report of the Tribunal, which provides the aviation community with the opportunity to appeal enforcement decisions or penalties assessed under the Aeronautics Act. The report describes the organization structure, gives short biographical notes on tribunal members, and presents an overview of the year's activities. Also included are a brochure produced by the Tribunal as a guide for applicants, and a listing of the appeal hearings held during 1989, by hearing date and by case type. CA SC TR

**Claiming my future : a person with a mental disability - today and tomorrow**

by R. Brassard. Edmonton : Alberta Legislative Assembly, 1989. 85 p. MICROLOG 90-00925 1 fiche

Describes services available for the mentally disabled and discusses their past, present, and future. It includes recommendations to the government, specific government departments, specific services, and to society at large. AL HE PR SA

**Classification and measurement of aspen decay and stain in Alberta**

by Y. Hiratsuka, et al. Edmonton : Forestry Canada, Northwest Region, Northern Forestry Centre, 1990. vi, 29 p. : ill. Bibliogr. (Information report ; NOR-X-314). ISSN 0704-7673. ISBN 0-662-17634-0. MICROLOG 90-05781 1 fiche

One of the largest concerns affecting the utilization of aspen is the common presence of wood decay and stain, even in relatively young and small trees. Field recognition of types of decay and stain and standard methods to measure and record these defects are important for accurate assessment of aspen resources. Wood defects of aspen were usually classified into the categories of advanced decay, incipient decay, and stain, but that system created problems in measuring and recording defects consistently and objectively.

This manual was compiled to describe and illustrate the common types of aspen decay and stain that occur in Alberta, to present a new system of classifying defects into 5 categories, and to present methods of sampling and measuring these defects.

• AL CA FO SC

**Clastic dykes in volcanic rocks of the Giant Section, Yellowknife, NWT**

by H. Falck and J.A. Donaldson. Yellowknife : Indian and Northern Affairs Canada, NWT Geology Division, 1988. 12 p. : ill. Bibliogr. MICROLOG 90-00031 1 fiche

The Giant Section is located within the property of Giant Yellowknife Mines, 5 km north of the city of Yellowknife. Six clastic dykes cut across a pillowed lava flow. These sandstone dykes are unusual in that they occur in volcanic rocks. This study mapped the dykes in detail and determined the source of the sediment in the dykes. NO NR PR PS SC

**La Clause dérogatoire : son histoire et son avenir**

par J. Lawrence et P. Rosen. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 17 p. Bibliogr. (Etude générale ; BP-194F). L'éd. anglaise (*The Notwithstanding clause...*) sur la même fiche. ISBN 0-660-92699-7. MICROLOG 90-01888 1 fiche

Ce document examine la teneur de l'article 33 ainsi que ses origines. De plus, le document se penche sur la conférence des premiers ministres de novembre 1981, les intentions des auteurs de la Charte, le débat sur la clause dérogatoire, ainsi que les autres considérations et solutions. CA PA

**Clay/leachate compatibility study : hydraulic conductivity of Ottawa/Carleton Leda clay barrier soils permeated with domestic waste leachate**

by R.M. Quigley, F. Fernandez and C. Ohkere. Toronto : Environment Ontario, 1989. iii, 120 p. : ill. Bibliogr. ISBN 0-7729-6435-1. MICROLOG 90-03012 2 fiche

Leachate solutions generated by rainwater infiltration into and through various types of waste must be compatible with the liner (synthetic or natural) used to retain the waste. This report assesses the compatibility of Leda clay from the Ottawa/Carleton region of Ontario with typical domestic waste leachate, using hydraulic conductivity as the assessment tool. Four typical Leda clay samples were tested with domestic waste leachate from the Westminster landfill site near London, Ontario. All 4 tests were run until the effluent chemistry reached influent concentration levels. EV ON PR PS SC

**Clearing the air : creating a smoke-free workplace**

Edmonton : Alberta Community and Occupational Health, 1988. 32 p. : ill. Bibliogr. MICROLOG 90-02062 1 fiche

The purpose of this publication is to help organizations determine the best kind of smoking policy for them. It outlines the important roles that smoking and non-smoking employees have in developing and implementing the policy. It provides effective methods for communicating the policy and shows how to support and reinforce the policy. AL CI HE LA PR

**Cleland Township, Sudbury mining division 411/7**

compiled by the staff of the Resident Geologist's Office. Sudbury. Toronto : Ministry of Northern Development and Mines, Mines



and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio, GDIF 543) *Fold, maps not filmed*  
MICROLOG 90-02999 1 fiche

Geological data inventory for Cleland Township, including a checklist of sources, mineral commodities reference list, mineral occurrences, topographical maps available, results of a general index search, selected references, and aerial maps available  
NR ON PR PS SC

**Climate Change, Global Security and International Governance : a summary of proceedings of a conference on climate change and global security**

by K. Bush. Ottawa : Canadian Institute for International Peace and Security, 1990. 59 p. (Working paper ; no. 23) *French ed (Les Changements climatiques, la sécurité...)* : 90-07057-1. ISBN 0-662-17410-0  
MICROLOG 90-07058 1 fiche

Environmental issues are now in the spotlight of public attention, although there has been little discussion, in practical policy terms, of what can or should be done to address environmental problems within the context of global security and international governance. This conference assembled a wide range of decision makers and experts to discuss the nature of climate change, its ecological, social, political and economic consequences, and possible policy responses at regional, national and international levels. This report presents an overview of the major issues addressed organized by theme.

• CA EV EX SC

**Climate of Alberta with data for Yukon and Northwest Territories : report for 1988, tables of temperature, precipitation and sunshine**

compiled by the Atmospheric Environment Service, Environment Canada, Edmonton : Alberta Environment, 1990. 91 p. *CSI 34108 002*  
MICROLOG 90-06754 2 fiche

Monthly and yearly data for 1988 on the climate of Alberta, Yukon and NWT. The report covers monthly and annual mean temperatures of 1988 and standard 1951-80 averages; extremes of temperature for each month of the year with absolute temperature, monthly and annual total precipitation for 1988 and winter snowfall 1987/88 together with the elevation of each station and standard 1951-80 average, and monthly and annual hours of bright sunshine for 1988 and 1951-80 average.  
AL PR PS SC ST

**Climatological Reference Station : annual summary, 1989**

by V. Wittrock and E.E. Wheaton. Saskatoon, Sask. : Saskatchewan Research Council, 1990. v, 33 p. (SRC technical report ; no. 223) (SRC publication ; no. E-2330-2-B-90) *CSI 72141 003*  
MICROLOG 90-03479 1 fiche

Annual report on temperature, precipitation, soil temperature, evaporation, windspeed, bright sunshine and solar radiation at the Saskatoon climatological reference station for 1989. Data is then compared with the long-term historic and standard period (1951-80) records.  
EV MS PR PS SC ST

**Closing the gap : disarmament and development, the international debate**

by S. Lee. Ottawa : Canadian Institute for International Peace and Security, 1990. 38 p. Bibliogr. (Working paper ; no. 22) ISBN 0-662-17626-X  
MICROLOG 90-04815 1 fiche

This paper reviews the origins of disarmament-development advocacy, examines some of the efforts to establish a link, including UN studies, and reviews the debate at the 1987 International Conference on the Relationship between Disarmament and Development. This look at the 1987 UN Conference reveals the various national points of view about this relationship, and provides a window on the larger international tensions that are at the root of much of international relations today. The examination ends with a look at Canada's position in the debate.

• CA EX

**CMHC Kitchener townhouse study of soil gas ventilation as a remedial measure for methane entry into basements**

CH2M Hill. Ottawa : Canada Mortgage and Housing Corporation, Research Division, 1989. 2 v. : ill. Bibliogr. *Contents. Vol. 1 : The Study -- vol. 2 : Appendices*  
MICROLOG 90-05766 2 fiche

The migration of methane from either natural or man-made sources through soils into housing structures is a wide-spread problem. Canada Mortgage and Housing Corporation owns properties and houses which have existing or potential methane gas problems, such as a site of 81 townhouses in Kitchener, Ontario. This study investigated the current conditions of the soil gas venting system in 3 townhouse blocks, and the generation and entry of soil gas pollutants, installed and monitored the effectiveness of an active venting system, investigated and analyzed options to the active system, and analyzed the effectiveness of the systems designed, and their applicability to the entire townhouse project.  
CA EN ON PL SC

**CMHC/EMR northern initiatives : R-2000 home program technology project, Northwest Territories Housing Corporation : technical support : interim report no. 3 and final report**

by R.P. Sinha and R.L. Duncan. Ottawa : Canada Mortgage and Housing Corporation, 1989. 12 p.  
MICROLOG 90-03779 1 fiche

In 1987, Canada Mortgage and Housing Corporation (CMHC) and Energy, Mines and Resources Canada (EMR) established a joint venture to provide technical housing support to the Northwest Territories Housing Corporation. This joint venture terminated on March 31, 1989. This represents the final report summarizing the activities completed to that date. These activities include the record of North meetings and recommendations, the development of a priority list of research initiatives, status reports on findings from field testing and demonstration projects; compendium of Northern building problems and scientific solutions; assessment of integrated low power ventilation strategies, level B algorithms; and reports on the Dawson City demonstration project, the Aklavik passive ventilation demonstration status and the moisture pin demonstration project.  
CA EN NO PL SC

**Co-operation in Canada, 1987**

by J.M. Sullivan. Ottawa : Co-operatives Secretariat, 1987. 36 p. : ill. *Bilingual (La Coopération...)* *CSI 21100 011*  
MICROLOG 90-00282 1 fiche

This publication presents statistics on the business volume, assets and membership of Canadian Co-operatives for their fiscal years ending in 1987. The co-operatives are divided into seven groups: marketing, consumer, supply, fishing, production, service, and wholesale.  
AG CA CO SC

**Co-operation in Canada, 1988**

by J.M. Sullivan. Ottawa : Co-operatives Secretariat, 1990. 36, 39 p. : ill. *Bilingual (La Coopération au Canada, 1988)* *CSI 21100 011*  
MICROLOG 90-05824 1 fiche

Statistics on the business volume, assets and membership of Canadian co-operatives for their fiscal years ending in 1988. The tables were prepared by the Co-operatives Secretariat from data collected directly from individual co-operatives or through provincial governments and wholesale co-operatives.  
AG CA CO ST

**Co-operative housing as a new life style option for seniors**

by B. Sanford. Ottawa : Canada Mortgage and Housing Corporation, Research Division, 1989. xii, 119 p. : ill. Bibliogr.  
MICROLOG 90-03809 2 fiche

This study examines three co-ops located in different parts of Metropolitan Toronto. Two are high-rise buildings, designed and constructed specifically as seniors' co-ops, while the third is a cluster of low-rise buildings which were converted into a seniors' co-op following the threat of eviction and demolition by its former owner. The report focuses on how well the co-ops are meeting the needs of their elderly members. It examines the physical design, location of the buildings and access to shops, services and transit, the demographic characteristics of co-op members, the distribution of ages and sexes and their socio-economic and ethnic backgrounds, and the self-management structure of co-op housing boards and committees. It concludes with a series of comments and suggestions made by the seniors' co-op members themselves.  
CA SA

**CO2 refrigeration for long-haul transport : concept viability study and testing of prototypes to assess and demonstrate CO2 refrigeration freight vehicles : final report**

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada. St. Lambert, Que. Frédev Refrigeration Systems Inc., 1989. xix, 85 p. : ill.  
MICROLOG 90-05201 2 fiche

CO2 refrigeration is based on the injection technique (Coldspray) or the vaporization technique (Coldsink). The combination of these two techniques will create a refrigeration system which will be better adapted than mechanical refrigeration units to the long-haul transport of some perishable products. The essential differences between cryogenic CO2 refrigeration and mechanical refrigeration are investigated, including the factors to be taken into consideration to ensure good refrigerated transport. This report describes the various approaches tried and tested to ensure stable temperature and steady operation when equipment is unattended for a long time, including the control system. The system was tested on the transport of fresh beef carcasses and costed out.  
CA SC TR

**CO2 refrigeration for long-haul transport : concept viability study and testing of prototypes to assess and demonstrate CO2 refrigeration on long-haul highway refrigerated freight vehicles : final report**

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada, by Bernard C. De Langavant. Montreal : Frédev Concool, 1989. xix, 85 p. : ill.  
MICROLOG 90-01739 2 fiche



Mechanical refrigeration is now the standard for refrigerated transport, although this method is contrary to the basic principles of refrigeration. CO<sub>2</sub> refrigeration is based on the injection technique (Coldspray) or the vaporization technique (Coldsink). The combination of these 2 techniques will create a refrigeration system which will be better adapted than mechanical refrigeration units to the long-haul transport of some perishable products. The essential differences between CO<sub>2</sub> and mechanical refrigeration are investigated, including the factors to be taken into consideration to ensure good refrigerated transport. Various approaches were tried and tested to ensure stable temperature and steady operation when equipment is unattended for a long period of time. A new 'heart and lung' concept was developed permitting a regular 'breathing rhythm' and an appropriate 'blood pressure' to achieve this result.  
CA PS SC TR

### Coal briquetting with binder : a survey of recent developments and a statistical analysis of plant performance

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1958. ii, 33 p. : ill. Bibliogr. (Report ; TM 111/58-PREP)  
MICROLOG 90-04539 1 fiche

Because of the difficulties of keeping the various factors of coal briquetting under control, statistical methods are very useful in investigations of the briquetting process in laboratories and even more so in industrial plants. This paper gives a detailed description of such techniques, a summary of the most important recent developments and of previous studies on the evaluation of the physical quality of briquets, and an application of these statistical methods, including factorial designs of experiments, correlation, regression and index formulae, tests of significance, and analyses of variations.  
• CA CM EN PS SC

### Coal devolatilization in an entrained flow reactor : final report

by L. Gibbs and W. Hallett. Ottawa : University of Ottawa, Faculty of Engineering, 1989. xxii, 212 p. : ill. Bibliogr. CANMET contract: 69050-01-ST.  
MICROLOG 90-03957 3 fiche

Thermal decomposition, or devolatilization, occurs when coal is heated to elevated temperatures. The moisture present evolves early and as the temperature increases, gases and heavy tarry substances are emitted. This report derives the reaction rate constants for coal devolatilization from data obtained in a laminar flow test reactor. The devolatilization models presented in the literature were critically evaluated and a competitive 2 reaction model was selected due to its flexibility and ability to predict the temperature variation of the ultimate yield. A finite difference model of the flow, heat transfer, and particle motion used to predict conditions in the reactor is expanded to include the effects of particle reaction and mass transfer. The endothermic heat of pyrolysis is also added to the particle energy balance. A procedure is developed for fitting the reaction constants of the model to the experimental data. As a test, this routine was used to fit the reaction constants of the 2 reaction model to the experimental data of Kobayashi.  
• CA CM NR PS SC

### Coal in Canada

Ottawa : Energy, Mines and Resources Canada, 1989. 6, 6 p. : ill. *Bilingual (Le Charbon au Canada)*. ISBN 0-662-17233-7  
MICROLOG 90-01807 1 fiche

Brochure on the production and consumption of various types of coal in Canada. The brochure covers the utilization of coal, including its properties and uses, a history of coal utilization, supply, and mining and transportation methods, the current role of coal, including its use in the steel industry and in the production of electricity; and the environmental effects of coal mining and use of coal as an energy source.  
CA EN NR SC

### Coal industry research, development and demonstration business plan : final report

by R.H. Gronotte. Ottawa : Coal Association of Canada, 1988. xx, 35 p. CANMET contract: 79206-01-SQ.  
MICROLOG 90-05649 1 fiche

Report providing a critical review of funding and related research efforts from industry's perspective to make recommendations which would provide an industrial focus on R&D and lead to more effective use of research funds. The report also identifies several action items as targets for completion during 1989.  
• CA CM NR PS SC

### Coal preparation issues

by H.A. Hamza. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1989. v, 20 p. : ill. (Report ; CRL 89-47(TR))  
MICROLOG 90-01322 1 fiche

Fine particles, whether deliberately produced to achieve liberation, as is the case in the mineral industry, or unavoidably generated, as in the coal industry, heavily tax processing and disposal facilities. Understanding the factors which contribute to the behaviour of fine particles in solid/liquid systems promises to contribute substantially to their economic processing and safe disposal. This paper draws attention to the importance of fine particle R&D to the mineral and energy industries, briefly outlines the Fuel Processing Laboratory's capabilities in this area and gives examples of previous and present contributions to solving industrial problems.  
• CA CM NR PS SC

### Coal water fuel conversion of an industrial oil-designed package boiler in a pulp and paper plant, Hantsport, N.S.

by G. Landry and A. Todd. Sydney, N.S. : Cape Breton Development Corporation, 1989. 3 v. : ill. Contents: Vol. 1 : Final report -- vol. 2 : Appendix A-D -- vol. 3 : Appendix E-O. CANMET contract: 79014-01-SQ  
MICROLOG 90-02561 7 fiche

In early 1987 a contract was signed between the Cape Breton Development Corp. (CBDC) and Minas Basin Pulp & Paper (MBP&P) for a 2-year commercial demonstration using coal-water fuel (CWF) as the primary fuel source in a steam generating boiler. As part of this program, MBP&P installed a 60,000 lb/hr oil-designed package boiler to replace older vintage boilers and provide process steam to their own plant plus the neighbouring Canada Keys Fibre plant. The boiler installation can burn CWF produced by CBDC in Cape Breton and employs the CWF burner technology. This final report presents an overview of the activities undertaken and outlines the boiler installation through to operation, with detailed discussion of various technical aspects.  
• AP CA CM EN PS SC

### Coastal marinas, an assessment of fuel handling facilities : methodology development and study results

by M.W. Dunn, M. McGrath and T. Ito. Hull, Que. : Environment Canada, Conservation and Protection, Environmental Protection, 1989. iii,

52 p. : ill. Bibliogr. (Regional manuscript report ; MS 90-01)  
MICROLOG 90-06318 1 fiche

This study was conducted to assess the implementation of the B.C. Petroleum Association's guidelines for consumer bulk petroleum product storing and handling facilities by coastal marinas and the degree to which the guidelines were adopted. An assessment was made of proposals which were submitted to Environmental Protection's referral system between January 1984 and June 1988. Seventy-five marina applications were reviewed and 6 of them included fuel handling facilities. Assessment methodologies included a telephone survey, a site inspection and a sediment survey. Inspections of 22 additional marinas were also undertaken.  
• BC CA EN EV SC

### Coastally trapped waves on the Labrador Shelf

by J.F. Middleton and D.G. Wright. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. vi, 76 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 116) ISSN 0711-6774  
MICROLOG 90-05225 1 fiche

Examination of data from an array of bottom pressure gauges deployed over the Labrador Shelf in the summer of 1985 and left in place for one year. Estimates of the buoyancy frequency were used to determine the cross-shelf structure of the first 3 coastally trapped wave (CTW) modes at Saglé and Nain Banks. The first 3 CTW mode structures were also computed for Hamilton Bank. Using an idealised topographic representation of the complex shelf bathymetry, both the stratified and barotropic mode 1 and 2 amplitudes were determined from the data. The fitting technique was also extended so as to determine the gain and phase of each mode with respect to forcing by Hudson Bay atmospheric pressure.  
• AP CA CF NR PS SC

### Code de pratiques écologiques pour le traitement et l'élimination des déchets des opérations pétrolières et gazières extracôtiers

Ottawa : Environnement Canada, Conservation et protection, Protection de l'environnement, Direction des programmes industriels, 1990. x, 90 p. Bibliogr. (Rapport ; SPE 1/PN/2) L'éd. anglaise (Environmental code of practice...) : 90-02964/1. ISBN 0-662-95869-1  
MICROLOG 90-03086 2 fiche

Le 'Code' présente la position d'Environnement Canada sur le degré de traitement des déchets réalisable dans les installations pétrolières et gazières extracôtiers à l'aide des meilleures techniques applicables. Il a été conçu pour servir de base d'information aux personnes qui s'intéressent au traitement des déchets dans ces installations et pour guider l'industrie et les organismes de réglementation chargés de concevoir et d'approuver les systèmes de traitement des déchets. On y examine le bien-fondé de la surveillance du respect des normes, et les recommandations ayant trait aux paramètres à échantillonner et à la fréquence de l'échantillonnage.  
• CA EN EV SC

### Code de recommandations techniques pour la protection de l'environnement applicable aux centrales thermiques : phase de la construction

Ottawa : Environnement Canada, Service de la protection de l'environnement, 1989. viii, 67 p. Bibliogr. (Rapport ; SPE 1/PG/3) L'éd. anglaise (Environmental codes of...) : 90-00953/1. ISBN 0-662-95594-3  
MICROLOG 90-00952 1 fiche

Ce code traite des problèmes environnementaux que pose la construction des centrales



thermiques. On trouve dans ce document des recommandations concernant la protection des espèces terrestres et aquatiques, la conservation du patrimoine archéologique et historique, la lutte contre l'érosion et l'envasement, le contrôle des rejets d'eaux usées et de déversements, la gestion des déchets solides, la lutte contre la pollution de l'air et le bruit, ainsi que les processus de vérification, de surveillance et de présentation de rapports en matière d'environnement. Les mesures recommandées visent à atténuer ou à éliminer les effets nuisibles que la construction ou la modification de centrales thermiques peuvent avoir sur l'environnement.  
CA EN EV PS SC

#### Code of practice for used oil management in Canada

by Monenco Consultants Ltd. ; for the Industrial Programs Branch, Environmental Protection, Conservation and Protection, Environment Canada, Downsview, Ont. : Canadian Council of Ministers of the Environment, 1989. x, 51 p. : ill. Bibliogr. ISBN 0-662-17195-0  
MICROLOG 90-00455 1 fiche

This code of practice describes environmentally sound options for the handling, storage, collection, transportation, recycling, reuse and disposal of used oils in Canada. Used oil, as referred to in this code of practice, is a lubricating oil which has become unsuitable for its original purpose due to the presence of impurities or the loss of original properties. It does not include oils derived from animal or vegetable fats. The code does not treat used oil exclusively as a hazardous waste. Used oil may or may not be designated as a hazardous waste depending on the types and amounts of chemical impurities it contains  
● CA EN EV SC

#### A Coded wire tag assessment of Salmon River (Langley) coho salmon : 1986 tag application and 1987 spawner enumeration

by N.D. Schubert and L.W. Kalnin. New Westminster, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. viii, 43 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2053) ISSN 0706-6473  
MICROLOG 90-04973 1 fiche

In 1986, a plan was implemented to improve the assessment data base for coho salmon through the long-term evaluation of key stocks. The Salmon River (Langley) was selected for the evaluation of annual escapement, marine survival, harvest distribution and exploitation rate. This report documents, for the 1984 brood, the 1986 coho smolt trapping and coded wire tag application and 1987 coho adult escapement estimation studies. The report describes field methodologies, analytic techniques and study results, including smolt timing, age and size and adult age, length, sex, adipose fin clip incidence and estimates of escapement and long term coded wire tag loss. The study did not estimate the escapement of precocious males (jacks). The report concludes with a discussion of data limitations and recommendations for future studies.  
● BC CA CF FI LS SC

#### Coded wire tag recoveries from the second release of sterile coho salmon *O. kisutch* into the marine environment

by I.J. Baker. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989 iii, 21 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 775) ISSN 0706-6465  
MICROLOG 90-03398 1 fiche

Data are presented on the contribution to the fishery of sterile and production coho salmon

produced at the Capilano salmon hatchery in 1981-82 and released in 1983. Sterile coho were produced by androgen treatment in late 1981 and early 1982. A second parallel untreated production group was reared and released as a control. The data shows catch and distribution of the experimental fish in the recreational and commercial fishery based on the recovery of coded wire tags.  
● BC CA CF FI SC

#### Coefficients de calcul du volume marchand et équations du défilement chez les essences commerciales de l'Ontario

par I.S. Alemdag. Chalk River, Ont. : Forêts Canada, Institut forestier national de Petawawa, 1990. 8 p. : ill. Bibliogr. (Rapports techniques de l'IFNP ; 1) *L'éd anglaise (Merchantable volume...) sur la même fiche.* ISSN 1180-5757 ISBN 0-662-96223-0  
MICROLOG 90-06802 1 fiche

En exploitation forestière, un paramètre précieux est le volume marchand d'un arbre ou d'un peuplement. Beaucoup de sociétés de coupe, par exemple, déterminent leur activité d'après le volume marchand qu'elles tirent de la forêt. Le volume marchand d'un arbre peut se définir comme le volume de la tige, compte tenue d'une hauteur donnée de la souche, en fonction d'un diamètre marchand donné ou d'une hauteur donnée de la tige. Ce cahier présente un rapport technique sur les coefficients de calcul du volume marchand et des équations du défilement chez les essences commerciales de l'Ontario.  
● CA FO ON SC

#### Les Coefficients fixes : sont-ils des indicateurs prévisionnels exacts de l'emploi par profession

Canada. Emploi et immigration Canada (Ministère). Directeur des perspectives du marché du travail et de l'analyse structurelle. Ottawa : le Directeurat, 1987. iii, 32 p. Bibliogr. *L'éd. anglaise (Fixed coefficients...) sur la même fiche.*  
MICROLOG 90-00774 1 fiche

Le document évalue l'exactitude de la méthode du coefficient fixe. Pour ce faire, on compare les données réelles sur la profession des salariés en 1981 (d'après le recensement de 1981) aux estimations établies pour la même année suivant la méthode du coefficient fixe. De plus, on donne l'indice de précision récapitulatif, la répartition des indices de précision récapitulatifs, et la proportion de l'emploi dans l'industrie répartie exactement entre les professions.  
CA LA

#### Cogeneration : experience and prospects in Ontario : proceedings of the seminar

Cogeneration : experience and prospects in Ontario (1988. Mississauga, Ont.). Toronto : Ministry of Energy, 1988. 289 p. : ill. MICROLOG 90-01732 4 fiche

Other countries use energy 30% more efficiently than us. Cogeneration, the co-production of power and heat from the same fuel source at high efficiency, and other forms of parallel generation technology, electrical generation not owned by Ontario Hydro but interconnected to the bulk electricity or distribution systems, could potentially improve Ontario's industrial competitiveness. Papers presented here cover the cogeneration market, market trends, a case study, a feasibility study, interconnection and rates, and also an overview of large gas and steam turbines, gas pricing for cogeneration projects, and gas sales contracts  
EN ON PR SC

#### Coho salmon enhancement in British Columbia using improved groundwater-fed side channels

by M.D. Sheno, M. Foy and A.Y. Fedorenko. Vancouver, B.C. : Dept. of Fisheries and Oceans, Salmonid Enhancement Program, 1990. vi, 81 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2071) ISSN 0706-6473  
MICROLOG 90-05314 1 fiche

Improved groundwater-fed side channels, which were originally built for increasing chum salmon production in B.C., show promise as a viable enhancement technique for coho salmon. The study sites were mainly limited to channels in Worth Creek, Upper Paradise, Mamquam and Deadman. The first 3 are coastal channels, while the Deadman Channel is located in the interior of the province. Numbers of coho salmon were estimated primarily from visual counts made weekly or every second week throughout the spawning period. In addition, incidental coho counts made by field workers during the chum salmon carcass recovery at Worth, Upper Paradise and Mamquam channels were used where possible. The study also involved volitional spawner recruitment to a newly developed channel from the parent river system, surplus coho fry outmigrations, and seasonal patterns in distribution, diet and growth of juvenile coho.  
● BC CA CF FI SC

#### Colchester County

compiled by Allan C. Dunlop. Halifax : Public Archives of Nova Scotia, 1990. 15 p. (Nova Scotia genealogical sources county guide series ; no. 6) ISBN 0-88871-152-2  
MICROLOG 90-06507 1 fiche

This document provides a quick access via a standard list to specific sources available at the Public Archives of Nova Scotia. The list is divided into published sources (published genealogies, published community/county histories; directories; and newspapers) and manuscript sources (papers of families and individuals; church registers; community records and unpublished histories, cemetery inscriptions, census records; education papers, land records, vital statistics, deeds; wills, and some map sources).  
AP PR SA

#### Cold fusion at Darlington NGS? Or verifying tritium inventories

by F.R. Rodriguez and K.B. Woodall. Toronto Ontario Hydro, Research Division, 1990. 12 p. : ill. (Report ; no. 89-305-K)  
MICROLOG 90-06029 1 fiche

Anomalous quantities of heat were reported from an immobilized tritium container (ITC) at Darlington Nuclear Generating Station. Since the ITC contained tritium and deuterium absorbed on titanium, cold fusion was suggested as a possible source of the excess heat. A calorimeter was constructed to measure the heat output of the ITC and the neutron emission was measured with a helium-3 detector.  
EN ON PR PS SC

#### Cold water injection into two-phase mixtures

Atlantic Nuclear Services. Ottawa : Atomic Energy Control Board, 1989. 121 p. : ill. Bibliogr. (Research report ; INFO-0337)  
MICROLOG 90-04390 2 fiche

Review and assessment of information on dynamic loadings caused by the injection of cold water into 2-phase mixtures in nuclear power plants. The review was conducted through a critical survey of the national and international literature of open technical reports concerning the dynamic consequences of cold water injections, documentation of the transients experienced and reported, definition of the



thermohydraulic conditions giving rise to severe dynamic load on equipment and bounds for the conditions initiating transients; description of the underlying physical processes of the load transients; and a description of the response of equipment to the severe dynamic loads. This report presents the findings of the study.  
CA EN PS SC

# **Coliphage and bacteriophage as indicators of groundwater quality in Canada**

by B.J. Dutka...et al. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 7 p. (NWRI contribution ; 89-149)  
MICROLOG 90-02441 1 fiche

With increasing worldwide industrialization and urbanization over the past 30 years, and with the concomitant higher demand for chemicals and water supplies, both developed and developing nations face increasing ecological problems from the release of domestic and industrial wastes to the environment. As the technology for the testing of coliphages and bacteriophages has advanced to the stage where it can be easily performed, it was decided to use this technology to evaluate the virus-free nature of representative ground water supplies in the province of Ontario. Twenty-two water samples were collected from raw ground waters and treated ground water, drinking waters from 3 different urban areas, over 2 months. Twelve samples were taken from distribution lines after treatment. The remaining 10 samples were raw waters taken immediately after they were pumped out of the wells and prior to any disinfection treatment. This report describes the results of the preliminary survey.  
CA EV ON SC

# **Coliphages and bacteriophages in Canadian drinking waters**

by G.A. Palmateer...et al. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 8 p. Bibliogr. (NWRI contribution ; 89-148)  
MICROLOG 90-02451 1 fiche

There is evidence that viral contamination of water systems throughout the world is increasing and that bacteriological indicators of water viral quality are completely inadequate in protecting the public. Recent studies in Canada have shown the presence of coliphage and bacteriophage in coliform free, treated drinking water. This paper presents examples of results obtained from water distribution lines of 3 cities whose raw water came from 3 different sources. Eighteen water samples were collected from taps in public buildings in 3 different cities in the province of Ontario over 2 months. For 2 of the cities, the source waters were 2 different lakes in the Canadian Great Lakes system and for the 3d city, the water source was a small river. This report presents the results of the tests.  
CA EV ON SC

# **Une Collaboration fructueuse : l'action du gouvernement fédéral contre le sida**

Ottawa : Santé et bien-être social Canada, 1990. 37, 37 p. Bilingue (*Building an effective...*). Saillants (5 p.) inclus. ISBN 0-662-57587-3  
MICROLOG 90-06407 1 fiche

Le cadre d'action pour juguler la propagation du VIH comporte trois objectifs: arrêter la propagation du VIH, rechercher des vaccins, des drogues et des thérapies efficaces; et traiter, soigner et aider les personnes infectées par le VIH, le personnel soignant, leurs familles et leurs amis. Ce document décrit les initiatives d'éducation et prévention, des initiatives biomédicales, des soins, traitements et soutien, le soutien aux organisations non

gouvernementales, et la coordination et collaboration. En annexe on énumère des initiatives récentes du Ministère.  
CA HE SA

# **A Collection of Amphipoda from the southern Beaufort Sea**

edited by M.A. Keast and M.J. Lawrence. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. vi, 114 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 799) *This is the 46th data report from the Central and Arctic Region, Winnipeg.* ISSN 0706-6465  
MICROLOG 90-06436 2 fiche

Descriptions, with drawings, of benthic and pelagic amphipods of two suborders (*Hyperidea* and *Gammaridea*). The amphipods came from the collections made in coastal waters of the southern Beaufort Sea.  
• CA CF FI LS NO SC

# **Collection of definitions in federal statutes -- 2d ed.**

by C. Goulet. Ottawa : Translation Bureau, Terminology and Linguistic Services Branch, 1989. xxxviii, 981 p. (Terminology bulletin ; 153) Bilingue (*Recueil des définitions.*) ISBN 0-660-54906-9  
MICROLOG 90-01102 11 fiche

The bulletin contains approximately 6000 bilingual definitions taken not only from the definitions at the beginning of the statutes, but also from the body of the statutes. It includes definitions which simply refer to sections of an act, as these may be useful in understanding terms specific to federal administration  
CA JU

# **Collective agreement between Board of Management and Canadian Union of Public Employees : group, rehabilitation and therapy, and recreation and culture program officer**

Fredericton : The Board ; The Union, 1990. 48 p. French ed. (*Convention entre...*) : 90-04103/1  
MICROLOG 90-04104 1 fiche

In this document the parties to this Agreement set forth terms and conditions of employment affecting employees covered by the Agreement.  
AP LA PA PR

# **Les Collectivités mono-industrielles au Canada : à la recherche d'une nouvelle association : rapport établi à partir des actes d'un forum interministériel**

présenté au Ministre de l'emploi et de l'immigration ; par le Conseil consultatif canadien de l'emploi et de l'immigration. Ottawa : le Conseil, 1988. 147, 125 p. Bilingue (*Canada's single-industry communities.*)  
MICROLOG 90-01932 3 fiche

Ce rapport résume les actes de la réunion interministérielle du 21 octobre. Il passe en revue certaines des questions qui figuraient dans le rapport initial et consigne les réponses reçues des divers ministères et organismes concernés. On y présente également certains principes directeurs, suivis des recommandations appropriées. Finalement, le rapport signale un certain nombre de représentations écrites sur le sujet qui ont été reçues des ministères et organismes participants.  
CA CO LA

# **Colloque sur l'horticulture ornementale : culture en contenants**

Colloque sur l'horticulture ornementale (1988 Laval, Québec). Québec : Gouvernement du

Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, Conseil des productions végétales du Québec, 1989. 151 p. : ill. Bibliogr. *En tête du titre: Cahier de conférences.* ISBN 2-551-12095-0  
MICROLOG 90-02196 2 fiche

L'avènement de la culture des plantes de pépinière en contenants a considérablement transformé cette industrie en étendant la période de vente et de transplantation des végétaux à toute la saison de végétation. Ce colloque des connaissances applicables au Québec à propos, entre autres des contenants, du substrat, de la multiplication, de la fertilisation, de la qualité de l'eau, de l'irrigation, de la répression des mauvaises herbes, de la planification des espaces et des avantages commerciaux.  
AG EV FO PR QU SC

# **Colloque sur la production cunicole : bilan et perspectives en production cunicole**

Colloque sur la production cunicole (1988 : Saint-Hyacinthe, Québec). Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, Conseil des productions animales du Québec, 1988. 139 p. : ill. *En tête du titre: Cahier de conférences.* ISBN 2-551-12073-X  
MICROLOG 90-02197 2 fiche

Les cuniculteurs qui veulent intensifier le rythme de reproduction de leur élevage afin d'accroître leur productivité se heurtent à un problème sévère, la lapine peut, parfois pendant de très longues périodes particulièrement à l'automne, ne démontrer aucun signe d'oestrus, et par conséquent refuser de façon systématique de s'accoupler. L'injection de benzoate d'oestradiol, une hormone de synthèse, permettrait de provoquer l'apparition d'un oestrus chez la lapine et par conséquent de stimuler sa réceptivité à l'accouplement. Ce document présente les résultats de cette expérimentation qui a été réalisée chez un cuniculteur de St-Marc sur le Richelieu pendant une année complète dans le cadre d'un projet d'introduction de production et de technique nouvelle  
AG EV LS PR PS QU SC

# **Colloque sur la recherche de pointe en science policière : actes**

publiés sous la direction de Donald J. Loree. Ottawa : Collège canadien de police, 1989. v, 103 p. Bibliogr. *L'éd anglaise (Research leaders in policing) : 90-00220/2.* ISBN 0-662-95527-7  
MICROLOG 90-05207 2 fiche

L'idée d'un colloque sur la recherche en science policière a surgi lors d'une discussion entre chercheurs spécialisés de différents milieux -- police, université et gouvernement. Ce document se penche sur l'administration policière, la recherche, la police sociopréventive, la recherche en police sociopréventive, la gestion et le personnel de police, les besoins et orientations futurs de la recherche; et l'organisation et l'environnement.  
CA JU

# **Colloque sur la toxicologie aquatique : comptes rendus**

éditeurs: R. Van Colliie...et al. Burlington, Ont. : Ministère des pêches et des océans, Institut Bayfield, 1989. xii, 244 p. : ill. Bibliogr. (Rapport technique canadien des sciences halieutiques et aquatiques ; no 1714) *Les rapports sont dans la langue de présentation, français ou anglais (Aquatic Toxicity Workshop).* ISSN 0706-6570  
MICROLOG 90-01805 3 fiche

Le 15e colloque annuel sur la toxicologie aquatique a eu lieu les 28, 29 et 30 novembre 1988 à l'hôtel Delta à Montréal. Comme dans les années passées les discussions ont été centrées sur la toxicologie aquatique et



l'écotoxicologie. On a également traité des notions fondamentales de la toxicologie aquatique et de son application pour la surveillance de l'environnement, l'élaboration de lignes directrices et de règlements, et la définition de critères pour la qualité de l'eau. Ce document donne un compte rendu de ce colloque.

• CA CF EV FI SC

### Colorimetric determination of sulfur dioxide in frozen shrimp

by M. Nakamura...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 13 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5355) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-01487 1 fiche

The volume of frozen shrimp imported by Japan from Southeast Asia and South America has increased sharply in recent years. Since shrimp rapidly turns black after catching as a result of the action of oxygen, sulfites are widely used in numerous countries such as the U.S., Canada and South America to prevent blackening and therefore to prevent a drop in commercial value. This study compares the micro-diffusion-standard method of detecting residual sulfurous acid to the micro-diffusion-official method, then reports on results obtained using the simpler, direct colorimetric method.

• CA CF FI SC

### Combination of biological water treatment and ozonization in a closed sea-water recycling system

by H. Rosenthal and G. Krüner. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 128 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5164) Originally published in German, by Fachinformationszentrum at Karlsruhe. ISSN 0704-3716  
MICROLOG 90-00001 2 fiche

The development of intensive warm water fish culture in temperate latitudes is based on a positive assessment of the possible use of waste heat from different industrial processes. To become largely independent of the water quality of waste-heat suppliers and of the site and to minimize the discharge of organically contaminated water into receiving waters, it is necessary to use suitable recycling systems with the appropriate mechanical, biological and chemical treatment methods. This project focused on evening out the fluctuations in water quality throughout the daily cycle; optimizing essential system components, like fish tanks, biological filters, ozonization and denitrification; and applying the knowledge obtained up to now through planned study of, and advising of, commercial operations. Most of the studies were carried out in the recycling installations of the new building of the Zentrale of the Biologische Anstalt Helgoland, with further studies conducted in practical operations.

• CA CF FI SC

### Combustion

Ottawa : Energy, Mines and Resources Canada, 1989. 71 p. : ill. (Energy management series for industry, commerce and institutions ; 5) ISBN 0-662-14157-1  
MICROLOG 90-05338 1 fiche

One of a series of manuals to help managers and operating personnel recognize energy management opportunities within their organizations. Information is provided on mathematical equations, and proven techniques and technology, along with examples of how to save energy. This manual covers combustion fundamentals, including the chemistry, the factors which affect combustion efficiency, the measurements used to determine operating efficiency and the calculation of energy losses,

equipment/systems, which describes the types of combustion equipment, related metering and control systems, and heat recovery equipment; and energy management opportunities, including examples of how the combustion process can be improved to save energy. A glossary and worksheets are also included

• CA EN SC

### Combustion characteristics of Canadian coals, vol. 2

by K.M. Tait, G.N. Banks and H. Whaley. Ottawa : Energy, Mines and Resources Canada, Canada Centre for Mineral and Energy Technology, Combustion and Carbonization Research Laboratory, 1990. vi, 146 p. (CANMET report ; no. 89-4E) ISSN 0707-5196 ISBN 0-660-13603-1  
MICROLOG 90-05994 2 fiche

Summaries of the results of coal and solid fuel combustion evaluations in a pulverized-coal-fired research boiler. Vol. 1, issued in May 1989, contains 21 summaries of key data from trials conducted on 15 Canadian fuels from 1972-82. Vol. 2 contains 15 summaries on 12 more coals evaluated from 1981-82. Test procedures are outlined; the summary is cross-referenced to the original divisional report title, author and number; fuels are listed alphabetically and cross-referenced to their related summary and report numbers; and summaries consisting of selected results and tabulations from the original tabulation reports are given.

• CA CM EN NR PS SC

### A Combustion handbook for Canadian fuels, 1974, vol. 3 : coal

by F.D. Friedrich and A.C.S. Hayden. Ottawa : Energy, Mines and Resources Canada, 1975. 2 v. : ill. Bibliogr. Contents: Vol. 1 : Part 1, Canadian coals -- vol. 2 : Part 2, American coals  
MICROLOG 90-04692 8 fiche

This handbook includes all fuels used in commercial quantities in Canada of both native and U.S. origin. The combustion data for each specific fuel are presented as graphs which show the weight and volume of combustion air required and flue gas produced per unit of fuel for a range of temperature and excess air conditions; the heat losses resulting from combustion of the fuel for a range of conditions, calculated according to the American Society of Mechanical Engineers Power Test Code, and the theoretical concentrations of carbon dioxide, oxygen and sulphur dioxide in the flue gas. Also included is information common to all combustion analyses, such as a psychrometric chart and a chart showing boiler radiation loss.

• CA CM NR PS SC

### Comité canadien de la classification écologique du territoire : réalisations de 1976 à 1989, et plan à long terme

par G.R. Ironside. Ottawa : Environnement Canada, Service des politiques du Ministère, 1989. 7, 7 p. Bibliogr. Bilingue (Canada Committee on Ecological...). ISBN 0-662-56971-7  
MICROLOG 90-03123 1 fiche

L'objectif du CCCET consiste principalement à encourager l'utilisation et l'application d'une approche écologique en matière d'inventaire et de gestion des ressources naturelles en vue d'un environnement durable. Ce document présente les réalisations (de 1976 à 1989) et plan à long terme du Comité canadien de la classification écologique du territoire (CCCET).

CA EV SC

### Comité de coopération économique entre les trois régions : rapport annuel

Ottawa : Secrétariat des conférences

intergouvernementales canadiennes, 1989. 3 p. L'éd. anglaise (Tri-regional Economic Cooperation Committee...) sur la même fiche. Présenté à la Conférence des gouverneurs de la Nouvelle-Angleterre et des premiers ministres de l'est du Canada  
MICROLOG 90-00523 1 fiche

C'est à la conférence de 1980 que les Gouverneurs de la Nouvelle-Angleterre et les Premiers ministres de l'Est du Canada se sont penchés pour la première fois sur l'importance des rapports économiques entre les Etats de la Nouvelle-Angleterre, le Québec et les provinces de l'Atlantique. En 1983, ils ont créé le Comité des rapports économiques entre les trois régions et, en 1984, un groupe consultatif sur la technologie de pointe. En 1985, ces deux groupes ont été fusionnés afin de former le Comité de coopération économique entre les trois régions dont les principaux objectifs qui guident les interventions sont les suivants: accroître les liens économiques, contribuer au développement de la technologie de pointe et promouvoir les perspectives d'échanges commerciaux entre les onze gouvernements. Ce rapport se penche sur ces questions et en donne les points saillants.

AP CA CO EX QU

### Comité de l'environnement : rapport annuel

Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 16 p. Bibliogr. L'éd. anglaise (Committee on the Environment...) sur la même fiche. Présenté à la Conférence des gouverneurs de la Nouvelle-Angleterre et des premiers ministres de l'est du Canada  
MICROLOG 90-00525 1 fiche

Les membres du Comité de l'environnement se sont réunis à quatre occasions. Au cours de cette période, les travaux du Comité ont été orientés vers trois domaines importants: les pluies acides, le changement du climat planétaire et ses répercussions éventuelles sur les états et les provinces, et la mise en oeuvre des principes de bon voisinage sur le plan environnemental. Le rapport traite de chacun de ces champs d'activité

AP CA EV QU SC

### Comité interministériel des terres (Canada) : Rapport annuel 1987

Ottawa : le Comité, 1988. 9, 10 p. Bilingue. CSI 22396 001  
MICROLOG 90-06370 1 fiche

Le Comité est chargé de la mise en oeuvre de la Politique fédérale sur l'utilisation des terres et de la coordination des discussions fédérales-provinciales et territoriales sur l'utilisation des terres. Ce document décrit les activités du Comité pour l'année. Il décrit aussi des perspectives d'avenir.

• CA NR PW

### Comité international du nord-est sur l'énergie : rapport annuel

Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 13 p. L'éd. anglaise (Northeast International Committee...) sur la même fiche. Présenté à la Conférence des gouverneurs de la Nouvelle-Angleterre et des premiers ministres de l'est du Canada  
MICROLOG 90-00524 1 fiche

En 1973, à l'Île-du-Prince-Édouard, a eu lieu la première Conférence annuelle des Gouverneurs de la Nouvelle-Angleterre et des Premiers ministres de l'Est du Canada. Depuis, les Gouverneurs du Connecticut, du Maine, du Massachusetts, du New Hampshire, du Rhode Island et du Vermont, et les Premiers ministres du Nouveau-Brunswick, de Terre-Neuve, de la Nouvelle-Écosse, de l'Île-du-Prince-Édouard et du Québec, se sont réunis pour discuter de questions comme l'énergie, l'agriculture, les transports, le tourisme, le développement



économique et l'environnement, et ont contribué à créer des liens économiques et culturels. Ce rapport annuel donne le résumé des discussions de cette conférence.  
AP CA EN EX QU SC

### Les Comités du Cabinet : la restructuration du système

par W. Koerner. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 34 p. Bibliogr. (Etude générale, BP-106F) L'éd. anglaise (Cabinet committees...) sur la même fiche. ISBN 0-660-92686-5  
MICROLOG 90-01920 1 fiche

Les principales fonctions du Cabinet fédéral sont de planifier les travaux du Parlement, d'administrer chaque ministère du gouvernement, de formuler des politiques et d'en discuter, de prendre des décrets et, ce qui est le plus important, de prendre des initiatives et de tracer la voie que suivront le pays et le Parlement. Ce document se penche sur les considérations historiques; l'organisation du cabinet et la restructuration des comités; le gouvernement Turner, le premier gouvernement Mulroney, et, les changements récents.  
CA PA

### Comités mixtes d'hygiène et de sécurité au travail et participation des travailleurs : bibliographie sélective

par J.B. Curtis. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. 54 p. ISBN 0-660-91904-4  
MICROLOG 90-02080 1 fiche

Les comités mixtes d'hygiène et de sécurité au travail et la participation des travailleurs gagnent de l'importance. Ce document présente une bibliographie qui contient des titres tirés de diverses sources, dont les systèmes bibliographiques internes CISDOC, NIOSITIC et INFODOC du Centre canadien d'hygiène et de sécurité au travail et les fichiers bibliographiques offerts par les systèmes commerciaux ORBIT et DIALOG. Ces références sont accompagnées d'un résumé de l'ouvrage. On y traite, entre autres, des questions d'hygiène et de sécurité au travail se rapportant précisément à des substances dangereuses et à des agents physiques. Finalement, ces bases de données contiennent aussi des ouvrages juridiques.  
• CA HE LA

### Comment accéder à la recherche universitaire : l'expérience des entreprises canadiennes

par J.A. Potworowski. Ottawa : Centre de recherches pour le développement international ; Hamilton, Ont. : Institut de gestion de la technologie et de l'innovation, 1989. vii, 100 p. Bibliogr. (Rapport manuscrit, 210f) L'éd. anglaise (Accessing university research...) : 90-00251/1  
MICROLOG 90-00252 2 fiche (Available on fiche only)

Cette étude examine les mesures prises par un certain nombre d'entreprises canadiennes pour assurer un transfert à leur profit de la technologie issue des universités. Les entreprises retenues aux fins d'étude possèdent une importante capacité interne de R et D ou dépendent beaucoup de la recherche. L'étude est fondée sur la prémisse du besoin qu'ont les entreprises des ressources techniques et scientifiques que possèdent les universités pour atteindre leur objectifs commerciaux. On vise donc à découvrir comment chacune des entreprises interrogées s'y prend pour gérer à son profit le transfert des technologies issues de la R et D universitaire et à identifier les méthodes qui favorisent un tel transfert et celles qui se révèlent stériles.  
CA CO ED

### Comment faire une inspection efficace des lieux de travail

par K.A. Stewart. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 29 p. : ill. Bibliogr. ISBN 0-660-92656-3  
MICROLOG 90-01137 1 fiche

Les inspections des lieux de travail aident à prévenir les blessures et les maladies. Cette publication vise à aider les comités paritaires de santé et de sécurité du travail à planifier et à effectuer les inspections, à établir les rapports d'inspection et à assurer le suivi. Les propositions présentées dans ce document peuvent faciliter les inspections prévues dans le cadre global du programme de santé et de sécurité au travail. Le document porte sur la planification des inspections, le déroulement des inspections, la rédaction du rapport et en fait le suivi et la surveillance.  
• CA HE LA

### Comment organiser avec succès une conférence internationale

par V.M. Malhotra. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires des sciences minérales, 1986. iv, 15 p. (Rapport ; MSL 86-141(IR))  
MICROLOG 90-06004 1 fiche

Les conférences internationales et les symposiums deviennent de plus en plus un mode accepté de transfert de technologie. Ce rapport met en lumière les différentes étapes qui sont nécessaires pour patronner et organiser des conférences internationales qui seront des succès, tant au niveau financier que technique. Il tire parti de l'expérience acquise lors de l'organisation de certaines de ces conférences et expose les diverses étapes nécessaires pour tenir une conférence internationale réussie.  
• CA CM EX

### Comment travailler en toute sécurité avec les liquides et les solides dangereusement réactifs

par M. Lowther. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 19 p. Bibliogr. L'éd. anglaise (How to work safely...) : 90-03616/1. ISBN 0-660-92859-0  
MICROLOG 90-05751 1 fiche

On trouve des liquides et des solides dangereusement réactifs dans de nombreux lieux de travail. Toutes les personnes qui utilisent ces substances doivent connaître les risques qu'elles comportent et la façon de les utiliser sans danger. Cette publication fournit des renseignements généraux sur la façon de travailler en toute sécurité avec des liquides et des solides dangereusement réactifs. Elle concerne les lieux de travail où ces substances sont entreposées dans des contenants de 250 litres (55 gallons) au plus. Elle ne porte pas sur les réservoirs d'entreposage en grande quantité, les systèmes de canalisation, les gaz comprimés dangereusement réactifs, les peroxydes formés durant l'entreposage de substances chimiques comme les éthers, ou sur les procédés spéciaux utilisant des liquides et des solides dangereusement réactifs.  
• CA EV HE PS SC

### Comment travailler en toute sécurité avec les peroxydes organiques

par M. Lowther. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 18 p. Bibliogr. ISBN 0-660-92666-0  
MICROLOG 90-02167 1 fiche

Cette publication donne des renseignements généraux sur la façon de se servir des peroxydes organiques de façon sécuritaire. Une bonne partie des conseils donnés peuvent aider les travailleurs à utiliser d'autres matières dangereuses en toute sécurité. Sont visés les

lieux de travail où des peroxydes organiques sont entreposés dans des contenants ayant une capacité maximum de 250 litres (55 gallons).  
• CA EV HE LA

### Commentaires présentés à la Commission au sujet du projet de directives rendu public en décembre, 1989

S.I. : Commission d'évaluation environnementale, 1990. 60 p.  
MICROLOG 90-03324 1 fiche

La Division de l'habitat du poisson du Ministère des Pêches et des Océans a analysé le projet de directives pour la préparation d'une étude d'impact environnemental sur le projet d'expansion du port de Montréal. Ce document présente les commentaires présentés à la commission au sujet du projet de directives rendu public en décembre 1989.  
EV FI PR QU SC

### Commentaires sur la Loi modifiant le droit successoral et la Loi sur les présomptions de survie

Fredericton : Bureau du Procureur général, Division de la réforme du droit, 1990. 34. 29 p. Bilingue (Commentary on the Succession law...).  
MICROLOG 90-05703 1 fiche

Ces commentaires devraient se lire avec la Loi modifiant le droit successoral et la Loi sur les présomptions de survie puisqu'ils expliquent les dispositions essentielles des projets de loi. Ils exposent également quelques points controversés à leur sujet et en soulèvent d'autres qui n'y sont pas traités.  
AP JU PR

### Commentary on the Succession Law Amendment Act and the Survivorship Act

Fredericton : Office of the Attorney General, Law Reform Branch, 1990. 29, 34 p. Bilingual (Commentaires sur la Loi modifiant...)  
MICROLOG 90-05703 1 fiche

This commentary should be read with the Succession Law Amendment Act and the Survivorship Act. It explains the thinking behind the major provisions of the Bills. It also asks questions about them, and raises some further issues which are not dealt with in the Bills.  
AP JU PR

### Comments on the sensitivity of salmonids to reduced levels of dissolved oxygen and to pulp mill pollution in Neroutsos Inlet, British Columbia

by I.K. Birtwell. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989. vii, 27 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1695) ISSN 0706-6457  
MICROLOG 90-00147 1 fiche

The capacity of the 20-km long Neroutsos Inlet to assimilate effluent from the Port Alice pulp mill has been exceeded for many years, producing a sub-optimal environment for many aquatic organisms. Severely depressed dissolved oxygen levels persisted in summer and early autumn 1985 during the initial stages of adult salmon migrations. These deteriorated water quality conditions were considered to hinder or block the first-run fish from entering their natal streams at the head of the inlet. This report reviews some current information on the effects of hypoxic conditions on salmonids and focusses upon the conditions necessary to ensure their successful migrations and the well-being of aquatic organisms in the Inlet. Emphasis is placed upon dissolved oxygen levels which permit fish to function



normally in contrast to levels which may be tolerated for brief periods.

• BC CA CF EV FI LS SC

### Commercial centres in the Greater Vancouver Regional District : prospects for 1986-96

Coriolis Consulting Corp. Vancouver, B.C. : Greater Vancouver Development Services Dept., 1986. 10 p.  
MICROLOG 90-05451 1 fiche

This discussion paper provides a review of the current status of regional town centres and a look at some of the commercial development trends likely to influence the planning and growth of these centres during the next decade. The emphasis is on identifying issues or choices likely to be faced by local governments as they try to manage commercial development to achieve particular land use or urban design objectives in commercial centres.  
BC CO MU

### Commercial cod farming operations Newfoundland, 1988

by E.M. Lee. St. John's : Dept. of Fisheries and Oceans, Newfoundland Region, Fisheries and Habitat Management, Fisheries Development Division, 1988. vii, 52 p. : ill. Bibliogr. (Canadian industry report of fisheries and aquatic sciences ; no. 201) ISSN 0704-3694  
MICROLOG 90-06733 1 fiche

The farming of Atlantic cod was undertaken by Sea Forest Plantation Ltd. during the 1988/89 season at 4 locations in Newfoundland. Three locations were in the North Peninsula area (Griquet, St. Lunaire, and Crouse) and the fourth was located at Bay Bulls. Live fish were collected from cod traps, transferred to holding pens (June-September), fed capelin to satiation for 1-5 months, and harvested when market conditions and prices were favourable (October-January). Data was collected from all phases of the operation including collection, transport, feeding, and harvesting. Biological parameters examined consisted of growth (from tagging studies and farm records), mortalities, parasites, disease, stress, water temperatures, food conversion ratios, and condition factors. General observations and recommendations dealing with farm husbandry and logistical problems are also presented.  
• AP CA CF FI SC

### Commercial cole crop production in Alberta : cabbage, cauliflower, broccoli, brussels sprouts

by P. Ragan. Edmonton : Alberta Agriculture, 1989. 7 p. (Agri-fax)  
MICROLOG 90-00213 1 fiche

Cole crops are best suited to a cool climate and this characteristic allows their production in most areas of the province. This factsheet gives information on varieties, soil requirements, fertilizer, direct seeding, transplanting, weed and insect control, irrigation, special problems, harvesting and handling, and storage  
AG AL PR SC

### Commercial expression : advertising and the Constitution

by J. Robertson. Ottawa : Library of Parliament, Research Branch, 1989. 14 p. Bibliogr. (Backgrounder ; BP-200E) French ed. (*L'Expression commerciale...*) on the same fiche. ISBN 0-660-13305-9  
MICROLOG 90-01884 1 fiche

Provides a definition of commercial expression, and describes the American concept of commercial speech, the Canadian experience of commercial expression, and the nature of commercial speech. It includes selected cases.  
CA CI CO

### The Commercial harvest of salmon in British Columbia, 1820-1877

by M.P. Shepard and A.W. Argue. Vancouver, B.C. : Dept. of Fisheries and Oceans, Program Planning and Economics Branch, 1989. vi, 39 p. : maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1690) ISSN 0706-6457  
MICROLOG 90-02171 1 fiche

Review of data on commercial harvests for years prior to 1877, the first year of formal reporting. The report covers the first commercial fishing activities of white men in B.C., the operations of the Hudson's Bay Co. beginning in the 1820s and the activities of the first independent entrepreneurs who began operations in the lower reaches of the Fraser River in the 1860s. The report does not cover harvests by native Indians through B.C. nor does it provide coverage of the harvest of salmon directly supplied to or fished by the prospectors and miners who flocked to the interior in the 1860s.  
• BC CA CF FI SC

### Commercial vessels : summaries of reports of investigations into marine casualties and accidents aboard ships, 1

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1987. 29 p. : ill., maps. (Issue ; no. 1) French ed. (*Navires de commerce...1*) on the same fiche.  
MICROLOG 90-05685 1 fiche

Summaries of investigation reports on marine casualties and/or marine accidents involving commercial vessels and other craft, excepting fishing vessels, which were investigated from January to May 1987. Each record includes a summary of the incident, the findings, and a detailed map of the incident. A glossary is included.  
CA SC TR

### Commercial vessels : summaries of reports of investigations into marine casualties and accidents aboard ships, 2

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1987. 65 p. : ill., maps. (Issue ; no. 2) French ed. (*Navires de commerce...2*) on the same fiche  
MICROLOG 90-05686 2 fiche

Summary of investigation reports on marine casualties and/or marine accidents involving commercial vessels and other craft, excepting fishing vessels, which were investigated from June to September 1987. Each record includes a summary of the incident, findings, and detailed diagrams and photographs. A glossary is included.  
CA SC TR

### Commercial vessels : summaries of reports of investigations into marine casualties and accidents aboard ships, 5

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1988. 50 p. : ill., maps. (Issue ; no. 5) French ed. (*Navires de commerce...5*) on the same fiche  
MICROLOG 90-05689 2 fiche

Summary of investigation reports on marine casualties and/or marine accidents involving commercial vessels and other craft, except fishing vessels, which were investigated from May to September 1988. Each record includes a summary of the incident, the findings, and detailed diagrams and photographs. A glossary is included.  
CA SC TR

### Commercial vessels : summaries of reports of investigations into marine casualties and accidents aboard ships, 9

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 42 p. : ill., maps. (Issue ; no. 9) French ed. (*Navires de commerce...9*) : 90-03805/1.  
MICROLOG 90-03804 1 fiche

Summary of investigation reports on marine casualties and/or marine accidents involving commercial vessels and other craft, excepting fishing vessels. A glossary is included.  
CA SC TR

### Commercial vessels : summaries of reports of investigations into marine casualties and accidents aboard ships, 10

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 44 p. : ill., maps. (Issue ; no. 10) French ed. (*Navires de commerce...10...*) on the same fiche.  
MICROLOG 90-05948 2 fiche

Summary of investigation reports on marine casualties and/or marine accidents involving commercial vessels and other craft, excepting fishing vessels, investigated from January to May 1990. Each record gives a summary of the incident, the findings and detailed diagrams and photographs.  
CA SC TR

### Commercial vine crop production in Alberta : pickling and slicing cucumbers, pumpkin and squash

by P. Ragan. Edmonton : Alberta Agriculture, 1989. 9 p. (Agri-fax)  
MICROLOG 90-00212 1 fiche

Commercial production of vine crops is concentrated in southern Alberta, although some species are grown successfully in most regions of the province. This factsheet provides information on varieties of cucumbers, pumpkin, and summer and winter squash; soil requirements; fertilizer, seeding; use of plastics in row covers and mulches, weed, insect and disease control; irrigation; pollination; and harvesting, handling and storage.  
AG AL PR SC

### Commercially important grenadiers of the North Atlantic

by D. Sahrhage. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 89 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5376) Originally published in German, by the Institute of Deepsea Fisheries, at Hamburg, West Germany ISSN 0704-3716  
MICROLOG 90-01469 1 fiche

With the loss of traditional fishing grounds as a result of the introduction of the 200 mile limit by coastal states, the German high seas fishery developed increasing interest in more offshore resources in the North Atlantic. This report contains an overview of the present knowledge of the roundnose grenadier and the roughhead grenadier in the North Atlantic, based on a review of related international literature and the results of investigations carried out from the Federal Republic of Germany  
• CA CF FI SC

### A Comminution study for reduction of grinding energy cost for granulated copper slag : final report

by M. Kaya and R.E. McIvor. Montreal Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. ii, 64 p. : ill. Bibliogr. CANMET



contract: 89259-01-SQ  
MICROLOG 90-02539 1 fiche

Investigation of the potential for reducing the total energy required to grind Kidd Creek Mines granulated copper slag to approximately 3000 Blaine fineness for use in cemented backfill. The effect of high pressure roll crushing prior to ball milling was considered as the primary alternative to ball mill grinding alone. Closed versus open circuit ball milling was also considered. Samples of granulated copper slag were sent to KHD in Cologne, Germany, where they underwent roll crushing at 60 and 80 bar pressures. The original 'as received' and roll crushed products were also tested for their ball milling grindability characteristics in their Zeisel grindability tests. Bond ball mill work index tests were also conducted at McGill University, Montreal.  
• CA CM EN NR PS SC

### Commission canadienne des droits de la personne : Rapport annuel 1989

Ottawa : la Commission, 1990. 87, 79 p. : ill. Bilingue. CSI 22194.001. ISBN 0-662-57286-6  
MICROLOG 90-05517 2 fiche

La Commission a pour principal mandat de tenter par tous les moyens qu'elle estime indiqués d'empêcher la perpétration d'actes discriminatoires et de promouvoir l'égalité des chances. Ce rapport annuel pour l'année 1989 énumère les faits marquants des activités de la Commission et présente des recommandations faites au Parlement, le processus de traitement des plaintes, les décisions rendues par les tribunaux des droits de la personne et les cours de justice. Inclut aussi le rapport financier et des données statistiques.  
CA JU ST

### Commission canadienne des grains : Rapport annuel 1988-89

Ottawa : la Commission, 1990. 37, 36 p. Bilingue. CSI 22192.001. ISSN 0706-2575  
MICROLOG 90-06073 1 fiche

Ce rapport passe en revue les opérations courantes de la Commission ainsi que d'autres activités de l'année. Il renferme également les recettes et les dépenses de la Commission pour l'année financière se terminant le 31 mars 1989, des statistiques sur la qualité et sur la manutention du grain et des renseignements concernant la campagne agricole 1988-1989.  
AG CA CO ST

### Commission canadienne du blé : Rapport annuel 1988-89

Ottawa : la Commission, 1989. 92 p. L'éd anglaise : 90-05416/1 CSI 22209.001.  
MICROLOG 90-05121 1 fiche

Rapport annuel de la Commission canadienne du blé pour l'année financière 1988-89. Inclut un examen du marché international des céréales, des ventes des céréales canadiennes, des ressources du Canada en céréales et leur mouvement, ainsi que des activités de la Commission. Fournit aussi le rapport d'activité du Conseil consultatif et les résultats financiers accompagnés du rapport des vérificateurs.  
AG CA CO SC ST

### Commission canadienne du lait : Rapport annuel 1988-89

Ottawa : la Commission, 1989. 26, 26 p. : ill. Bilingue. CSI 22184.001. ISBN 0-662-56926-1  
MICROLOG 90-01665 1 fiche

La Commission canadienne du lait joue un rôle important dans la mise en oeuvre de la politique laitière du gouvernement fédéral et favorise le développement de l'industrie laitière au Canada. Travaillant en collaboration avec les producteurs, les transformateurs, les organismes provinciaux de mise en marché du lait et les exportateurs, la Commission conseille

le ministre de l'Agriculture sur les questions qui touchent l'industrie laitière et élabore des politiques et des programmes qui répondent aux besoins de l'industrie tout en assurant les consommateurs canadiens des approvisionnements suffisants de produits laitiers de qualité. Ce document présente le rapport annuel de la Commission.  
AG CA PA SC ST

### Commission chargée d'étudier les indemnités des parlementaires

Canada. Commission chargée d'étudier les indemnités des parlementaires. Ottawa : la Commission, 1989. xxxv, 84, xxxiv, 75 p. : ill. Bilingue (Commission to Review...). ISBN 0-662-56856-7  
MICROLOG 90-03238 3 fiche

Cette Commission a pour mission de faire des recommandations qui permettent à davantage de Canadiens de prétendre à des charges publiques au sein du Parlement fédéral. Le document fait donc la lumière sur les points suivants: les indemnités supplémentaires; les allocations de dépenses; l'allocation de logement; l'indexation partielle des salaires et indemnités; les déplacements; les pensions de retraite; l'indemnité de départ; les commissions chargées d'étudier les indemnités des parlementaires; et, le sommaire des recommandations.  
CA CO PA

### Commission d'enquête sur l'écrasement d'un avion d'Air Ontario à Dryden, Ontario : rapport provisoire

Commission d'enquête sur l'écrasement d'un avion d'Air Ontario à Dryden, Ontario (Canada). Ottawa : la Commission, 1989. ix, 79, ix, 78 p. : ill. Bilingue (Commission of Inquiry into Air...). ISBN 0-662-57123-1  
MICROLOG 90-01735 2 fiche

Ce rapport porte sur la Commission d'enquête sur l'écrasement d'un avion d'Air Ontario. Il examine principalement les points suivants: les premières mesures; l'organisation de la Commission, la planification; l'interprétation du mandat; les questions de procédure; l'autorisation des parties intéressées à détacher des experts à l'enquête; la question de la confidentialité; la communication d'information aux parties; les audiences publiques tenues par la Commission à ce jour; les conclusions provisoires; la contamination des ailes; la sensibilisation à la sécurité; la vérification ultime de la contamination des ailes par mauvais temps; et, les audiences futures de la Commission.  
CA ON SC TR

### Commission d'enquête sur le recours aux drogues et aux pratiques interdites pour améliorer la performance athlétique

Charles L. Dubin, Commissaire. Ottawa : la Commission, 1990. xxxi, 714 p. L'éd anglaise (Commission of Inquiry...Drugs...) 90-08584/7. ISBN 0-660-92976-7  
MICROLOG 90-06585 8 fiche

Le document se penche sur les points suivants: le gouvernement et le sport au Canada; le sport comme instrument de politiques, une vue d'ensemble du dopage; les substances soumises à certaines restrictions; l'examen des sports et des disciplines; l'usage et le contrôle des substances interdites; la politique et la pratique de contrôle antidopage en athlétisme avant septembre 1988; les questions de droit et d'éthique; les questions relatives aux tests antidopage; l'éthique et la moralité dans le sport; les stéroïdes anabolisants et la santé; et, les conclusions et les recommandations  
CA CU HE SA

### Commission d'étude sur la région du Niagara : rapport et recommandations

Commission d'étude sur la région du Niagara.

Niagara Falls, Ont. : la Commission, 1989. xxv, 318 p. : ill., cartes géogr. Bibliogr. L'éd. anglaise (Niagara Region Review...) sur la même fiche.  
MICROLOG 90-01355 7 fiche

Cette étude a pour objet d'examiner et d'évaluer les différentes questions liées à la représentation, à l'imputabilité, au fonctionnement et aux finances ainsi qu'à la répartition des responsabilités dans la municipalité régionale de Niagara. Elle porte notamment sur les points suivants: la taille et la structure du conseil régional, et la sélection des membres, y compris une étude du système de conseillers directement élus et des rapports entre les membres du conseil régional et ceux des conseils des municipalités de secteur; le choix du président régional; et, le rapport entre les commissions et les conseils locaux et le conseil régional, y compris la représentation au sein du conseil des commissaires de police.  
ON PA PR

### Commission d'évaluation environnementale au sujet des activités de vol militaire au Labrador et au Québec : recueil des commentaires des experts techniques au sujet de l'Etude d'impact environnementale

Ottawa : Bureau fédéral d'examen des évaluations environnementales, 1989. 232 p. Les rapports sont dans la langue de présentation, français ou anglais (Environmental Assessment Panel Reviewing...).  
MICROLOG 90-06696 3 fiche

Ce document présente les résultats d'un premier examen portant sur l'énoncé des incidences environnementales qui a été préparé par le ministère de la Défense. Y sont identifiés dix réductions principales qui affectent l'ensemble de la présentation du milieu humain dans ses dimensions sociales, culturelles et économiques. De plus, chacune de ces réductions est commentée dans une fiche qui en explique le processus de réduction et en identifie les conséquences sur l'analyse du milieu humain.  
• CA EV EX NO SC

### Commission de classification cinématographique du Manitoba : Rapport annuel 1987-88

Winnipeg : la Commission, 1988. 13, 13 p. Bilingue. CSI 42116.001.  
MICROLOG 90-00335 1 fiche

Ce rapport annuel fournit des renseignements sur les activités de la Commission, le rapport d'inspection; les affaires nouvelles; et les états financiers. De plus, il fournit des directives en utilisant des cotes basées sur l'âge en vue de limiter l'accès à des oeuvres cinématographiques.  
CU MS PR

### Commission de commercialisation des produits de ferme du Nouveau-Brunswick : Rapport annuel 1988-89

Fredericton : la Commission, 1989. 27, 26 p. : ill. Bilingue. CSI 45101.004.  
MICROLOG 90-04152 1 fiche

Ce document présente le rapport annuel de la Commission de commercialisation des produits de ferme, pour la période allant du 1er avril 1988 au 31 mars 1989. Il porte principalement sur: l'historique et le mandat de la Commission; la Commission et le personnel; les activités de la Commission en 1988-1989; le tribunal d'appel des produits de ferme; les offices et agences de commercialisation du Nouveau-Brunswick; le Conseil national de commercialisation des produits de ferme; les offices nationaux de commercialisation; et, l'industrie laitière.  
AG AP CO PR



**Commission de l'énergie de l'Ontario : Rapport annuel 1988-89**

Toronto : la Commission, 1989. 27, 25 p. : ill.  
Bilingue. CSI 56118.001. ISSN 0317-4891  
MICROLOG 90-04360 1 fiche

Présente le rapport annuel de la Commission de l'énergie de l'Ontario décrivant les diverses activités de l'exercice 1988-1989. Il se penche particulièrement sur les activités de la CEO; les activités liées à Ontario Hydro, les demandes de révision des tarifs du gaz naturel; les demandes relatives à des installations; et les demandes relatives au stockage de gaz.  
EN ON PR PW SC

**Commission de l'enseignement supérieur des provinces maritimes (Canada) : Plan financier 1990-91**

Fredericton : la Commission, 1990. 19, 19 p. : ill. Bilingue (Financial plan...).  
CSI 32109.002.  
MICROLOG 90-03176 1 fiche

La Commission de l'enseignement supérieur des provinces Maritimes présente chaque année au conseil des Premiers ministres des Maritimes ses recommandations concernant le financement des établissements visés par son mandat pour la prochaine année financière. Ce plan financier contient des données sur la mise en oeuvre des recommandations pour 1989-90, les mémoires présentés à la CESP; les recommandations relatives au financement pour 1990-91; les recommandations relatives à l'aide capitale; les frais de scolarité; les frais supplémentaires pour étudiants étrangers, les prévisions relatives aux inscriptions; la province d'origine des étudiants fréquentant les universités des Maritimes; le domaine d'études, universités des Maritimes; et, les étudiants diplômés.  
AP CA ED ST

**Commission de l'enseignement supérieur des provinces maritimes (Canada) : Rapport annuel 1988-89**

Fredericton : la Commission, 1989. 40, 40 p. Bilingue. CSI 32109.001. ISSN 0318-8612  
MICROLOG 90-00277 1 fiche

Ce rapport décrit les activités de la Commission de l'enseignement supérieur des provinces Maritimes pour l'exercice 1988-1989. Il contient les états financiers vérifiés.  
AP ED PR ST

**Commission de la construction du Québec : Rapport d'activités 1988**

Montréal : la Commission, 1989. 87 p.  
CSI 66129.004  
MICROLOG 90-04134 1 fiche

Ce document présente le rapport d'activités de la Commission de la construction du Québec. Il fait état des activités de la CCQ durant l'année 1988 telles: le nombre de certificats de compétence valides; le nombre de certificats de compétence émis à la suite d'une garantie d'emploi; le nombre d'agences et succursales de placement, les cartes d'identité de salariés occasionnels, le degré de représentativité des associations syndicales, la vérification de livres; les demandes d'information et de services; et l'inspection de chantiers.  
PL PR QU SC

**Commission de la construction du Québec : Rapport d'activités 1989**

Montréal : la Commission, 1990. 81 p. : ill.  
CSI 66129.004. ISSN 0226-3084 ISBN 2-550-20953-2  
MICROLOG 90-07309 1 fiche

La Commission contribue à promouvoir le maintien d'un climat de travail favorable dans l'industrie de la construction au Québec. Ce rapport annuel présente une vue d'ensemble des activités des différentes composantes de la

Commission. Inclut les états financiers.  
PL PR QU SC

**Commission de la fonction publique du Québec : Rapport annuel 1989-90**

Québec : la Commission, 1990. 40 p.  
CSI 67240.001. ISSN 0481-2581 ISBN 2-551-14183-4  
MICROLOG 90-07253 1 fiche

Créée par la Loi sur la fonction publique, la Commission a des pouvoirs quasi-judiciaires et d'enquête et de recommandations. Dans son rapport annuel, la Commission présente d'abord son mandat et son organisation, puis elle rappelle ses principales activités pour l'année se terminant le 31 mars 1990. On y relate entre autres les appels et les décisions les plus significatives. Le document contient aussi des renseignements sur la Direction de l'analyse et de la programmation et sur la Direction de la vérification.  
LA PA PR QU

**Commission de la frontière internationale : Rapport annuel conjoint Canada-Etats-Unis, 1987**

Ottawa : Washington : la Commission, 1988. iv, 36, iv, 36 p. : ill. Bilingue.  
CSI 22238.001.  
MICROLOG 90-03185 1 fiche

La Commission de la frontière internationale (CFI) et ses fonctions actuelles sont l'aboutissement de près de 200 ans d'efforts courageux de dégagement de pistes, de contentieux entre divers intérêts commerciaux, de décisions juridiques, de maquignonnages politiques, ainsi que de plusieurs exemples de diplomatie à pile ou face. Ce document explique en quoi consiste le travail de la CFI et le rôle des commissaires depuis 1904; se penche sur les activités sur le terrain; et examine les installations du point d'entrée de Danville-Carson.  
CA EX

**Commission de la frontière internationale : Rapport annuel conjoint Canada-Etats-Unis, 1988**

Ottawa : Washington : la Commission, 1989. 45 p. : ill., cartes géogr. Bibliogr. L'éd. anglaise sur la même fiche. CSI 22238.001  
MICROLOG 90-05812 1 fiche

La Commission de la frontière internationale a pour mandat d'inspecter la frontière entre le Canada et les Etats-Unis, de réparer les repères endommagés, d'assurer l'exactitude de la ligne de démarcation et de définir toute partie de la frontière que peut contester l'un ou l'autre des gouvernements. Ce document contient le rapport annuel conjoint (Canada-Etats-Unis). Les sujets suivants sont abordés: les activités sur le terrain, l'histoire de la frontière entre les 2 pays, les travaux de réglementation de la Commission, les frais d'exploitation, la liste des Commissaires depuis 1904 et le personnel de la Commission. Une bibliographie complète le document.  
CA EX

**Commission de la représentation électorale du Québec : Rapport annuel 1988-89**

Québec : la Commission, 1989. 28 p.  
CSI 67211.002. ISSN 0840-7258 ISBN 2-550-20275-9  
MICROLOG 90-04012 1 fiche

Rapport annuel présentant les activités reliées à la délimitation des circonscriptions électorales. On y retrouve des informations générales et un compte rendu des activités de la Commission dans deux champs d'intervention: la délimitation des circonscriptions électorales et la division des municipalités en districts électoraux.  
PA PR QU ST

**Commission de la santé et de la sécurité du travail du Québec : Annual report 1988**

Québec : The Commission, 1989. vii, 70 p.  
French ed. : 90-02051/1. CSI 67137.001E.  
ISSN 0712-6085 ISBN 2-550-19728-3  
MICROLOG 90-02050 1 fiche

The Commission is the agency entrusted by the Government with the administration of the occupational health and safety plan. It is a joint body whose Board of Directors consist of an equal number of Quebec labour and employer representatives. This annual report reviews the administration of the Plan in 1988, and highlights major achievements. It contains financial statements.  
HE LA PR QU ST

**Commission de la santé et de la sécurité du travail du Québec : Rapport annuel 1988**

Québec : la Commission, 1989. vii, 70 p. L'éd. anglaise : 90-02050/1. CSI 67137.001. ISSN 0226-9813 ISBN 2-550-19727-5  
MICROLOG 90-02051 1 fiche

Ce document présente le rapport annuel de la Commission de la santé et de la sécurité du travail pour l'année 1988. On y aborde les sujets suivants: l'administration du régime en 1988; les états financiers de l'exercice 1988, les principales réalisations en 1988; la vice-présidence aux opérations; la vice-présidence à la planification et à la programmation; la vice-présidence aux relations avec les bénéficiaires; la vice-présidence aux services; et la révision à la Commission.  
HE LA PR QU ST

**Commission de la santé et de la sécurité du travail du Québec : Rapport annuel 1989**

Québec : la Commission, 1990. 2 v. : ill.  
CSI 67137.001. ISSN 0226-9813 ISBN 2-550-20839-0  
MICROLOG 90-07336 2 fiche

La Commission est l'organisme auquel le gouvernement a confié l'administration du régime de santé et de sécurité du travail. C'est un organisme paritaire dont le conseil d'administration regroupe un nombre égal de représentants des travailleurs et des employeurs québécois. Ce rapport annuel présente une vue d'ensemble des activités et des réalisations de la Commission. Inclut les états financiers.  
HE LA PR QU ST

**Commission de la santé et de la sécurité du travail du Québec. Direction de l'indemnisation des victimes d'actes criminels : Rapport annuel 1988**

Montréal : la Direction, 1989. 38 p.  
CSI 67137.003. ISSN 0837-600X ISBN 2-550-19729-1  
MICROLOG 90-01400 1 fiche

Le 1er décembre 1971, l'Assemblée nationale du Québec sanctionnait la Loi sur l'indemnisation des victimes d'actes criminels. Entrée en vigueur le 1er mars 1972, cette loi faisait du Québec la huitième province à se donner une telle loi. En adoptant cette loi, l'Assemblée nationale responsabilisait l'Etat face au problème social posé par l'accroissement de la criminalité et du nombre des victimes de violence qui ne peuvent obtenir réparation des dommages qu'elles subissent, leur agresseur étant insolvable ou introuvable. Elle assure ainsi à toute personne blessée au Québec par suite d'un acte criminel des avantages prévus à la loi. Si la victime décède, ses personnes à charge peuvent devenir bénéficiaires. Ce document présente le rapport annuel de la Commission de la santé et de la sécurité du travail concernant l'application de la Loi sur



l'indemnisation des victimes d'actes criminels et de la Loi visant à favoriser le civisme.  
JU PR QU SA ST

**Commission de la santé et de la sécurité du travail du Québec.  
Direction de l'indemnisation des victimes d'actes criminels : Rapport annuel 1989**

Québec : la Direction, 1990. 40 p.  
CSI 67137 003. ISSN 0837-600X ISBN 2-550-20841-2  
MICROLOG 90-07325 1 fiche

Au sein de la CSST, c'est la Direction de l'indemnisation des victimes d'actes criminels (IVAC), mise sur pied dès 1972, qui est chargée de l'admissibilité des demandes de prestations présentées en vertu de la Loi sur l'indemnisation des victimes d'actes criminels et de la Loi visant à favoriser le civisme. Ce rapport annuel fait le bilan des réalisations de la Direction.  
JU LA PR QU ST

**Commission de police du Nouveau-Brunswick : Rapport annuel 1988-89**

Fredericton : la Commission, 1989. 6, 6 p.  
Bilingue. CSI 46110 001. ISBN 1-55048-104-5  
MICROLOG 90-00528 1 fiche

Le rôle premier de la Commission de police du Nouveau-Brunswick est de mener des enquêtes et de tenir des audiences au sujet des plaintes déposées par les citoyens alléguant une inconduite de la part des agents de police. La Commission joue également un rôle important dans la promotion et le développement d'une stratégie de prévention de la criminalité pour toutes les régions de la province. Le rapport porte sur le rôle de la Commission; les membres de la Commission, le personnel, les locaux; la structure et les activités de la Commission; et les états financiers.  
AP JU PR

**Commission de police du Québec : Rapport annuel 1988**

Québec : la Commission, 1989. 55 p.  
CSI 67161 001. ISSN 0481-4630 ISBN 2-551-08403-2  
MICROLOG 90-00985 1 fiche

Créé en 1968, la Commission de police du Québec est un organisme chargé essentiellement de favoriser l'efficacité des services de police au Québec. Le document porte sur le cadre législatif, la compétence de la Commission, la structure administrative et organisationnelle, les ressources humaines et budgétaires, les objectifs, les activités de la Commission et le compte rendu sur l'application de la Loi sur la protection des non-fumeurs dans certains lieux publics.  
JU PA PR QU ST

**Commission de police du Québec : Rapport annuel 1989**

Québec : la Commission, 1990. 54 p.  
CSI 67161 001. ISSN 0481-4630 ISBN 2-551-14130-3  
MICROLOG 90-07256 1 fiche

La Commission de police du Québec est un organisme chargé de favoriser l'efficacité des services de police au Québec. Elle a des pouvoirs d'ordre quasi-judiciaire, de réglementation et d'administration. Ce rapport annuel contient des renseignements généraux sur la structure administrative et organisationnelle de la Commission, sur ses ressources humaines et budgétaires et sur ses activités. Le document contient aussi des statistiques sur les corps policiers du Québec.  
JU PA PR QU ST

**Commission de protection du territoire agricole du Québec : Rapport annuel 1988-89**

Québec : la Commission, 1989. 19 p.  
CSI 67290 001. ISSN 0712-4600 ISBN 2-551-08482-2  
MICROLOG 90-03881 1 fiche

Ce document présente le rapport annuel de la Commission de protection du territoire agricole du Québec pour la période comprise entre le 1er avril 1988 et le 31 mars 1989. Il renseigne sur la Commission et ses différents services.  
AG NR PR QU SC

**Commission de réforme du droit du Canada : Rapport annuel 1988-89**

Ottawa : la Commission, 1989. 50, 48 p. : ill.  
Bibliogr. Bilingue. CSI 22242 001. ISBN 0-662-57301-3  
MICROLOG 90-04837 2 fiche

La Commission a le mandat d'étudier d'une façon permanente les lois et autres règles de droit qui constituent le droit du Canada, en vue de faire des propositions pour les améliorer, les moderniser et les réformer. Elle doit développer de nouvelles méthodes et de nouveaux concepts de droit correspondant à l'évolution des besoins de la société canadienne. Ce rapport annuel pour l'année financière terminée le 31 mai 1988 retrace les grandes lignes des activités de la Commission (travaux en cours, publications, consultations). Comprend aussi des informations sur l'influence de la Commission.  
CA JU

**Commission de stabilisation des revenus agricoles de l'Ontario : Rapport annuel 1988-89**

Toronto : la Commission, 1989. 11, 11 p.  
Bilingue. CSI 56105 001.  
MICROLOG 90-01644 1 fiche

Ce document présente le rapport annuel de la Commission de stabilisation des revenus agricoles de l'Ontario pour l'année 1987-88. Les états financiers y sont également fournis.  
AG CO ON PR

**Commission de transport Ontario Northland : Rapport annuel 1988**

Toronto : la Commission, 1989. 32 p. : ill.  
L'éd. anglaise sur la même fiche  
CSI 56134 001. ISSN 0838-0104  
MICROLOG 90-00541 1 fiche

Présente le rapport annuel de l'exercice 1988 de la Commission de transport Ontario Northland. Y sont principalement traités les thèmes suivants: les télécommunications, les services aux voyageurs, les services ferroviaires, norOntair, les services maritimes, les services des transports et les états financiers.  
ON PR TR

**Commission des biens culturels du Québec : Rapport annuel 1988-89**

Québec : la Commission, 1989. 31 p.  
CSI 67238 001. ISSN 0701-6115 ISBN 2-551-12223-6  
MICROLOG 90-04006 1 fiche

Ce document présente le rapport d'activité de la Commission des biens culturels pour l'année financière qui s'est achevée le 31 mars 1989. Il se penche particulièrement sur les points suivants: le rapport du président, le mandat et l'administration, et les comptes rendus des réunions de la Commission et de ses Comités.  
CU PR QU

**Commission des droits de la personne du Québec : Rapport annuel 1988**

Québec : la Commission, 1989. 55 p.

CSI 67214 001. ISSN 0703-1343 ISBN 2-551-08490-3  
MICROLOG 90-07247 1 fiche

La Commission a pour principale fonction de promouvoir les principes contenus dans la Charte québécoise des droits et libertés. Elle fait enquête, établit un programme d'information, dirige les recherches sur les droits fondamentaux et fait des recommandations au Gouvernement. Ce rapport annuel présente la structure administrative de la Commission et ses activités pour l'année écoulée, ainsi que des renseignements sur les dossiers d'enquête traités et des enquêtes à portée collective.  
JU PR QU SA ST

**Commission des loteries du Nouveau-Brunswick : Rapport annuel 1986-87**

Fredericton : la Commission, 1988. 10, 10 p. : ill.  
Bilingue. CSI 46102 001.  
MICROLOG 90-05617 1 fiche

La Commission est chargée de deux grands domaines. D'une part, elle définit la ligne de conduite de la province en ce qui concerne les loteries et représente les intérêts de cette dernière en la matière, surtout en ce qui a trait aux loteries exploitées par l'Etat. D'autre part, elle est chargée de la réglementation de tous les jeux de hasard privés, comme les bingos et les tombolas. Ce document présente le onzième rapport annuel de la Commission des loteries du Nouveau-Brunswick, pour l'exercice 1986-1987.  
AP CU PR

**Commission des loteries du Nouveau-Brunswick : Rapport annuel 1987-88**

Fredericton : la Commission, 1989. 13 p.  
Bilingue. CSI 46102 001. ISSN 0709-3586  
ISBN 1-55048-116-9  
MICROLOG 90-02269 1 fiche

La Commission des loteries du Nouveau-Brunswick est chargée de deux grands domaines. D'une part, elle définit la ligne de conduite de la province en ce qui concerne les loteries, et représente les intérêts de cette dernière en la matière, surtout en ce qui a trait aux loteries exploitées par l'Etat. D'autre part, la Commission est chargée de la réglementation de tous les jeux de hasard privés, comme les bingos et les tombolas. Ce document donne le rapport annuel de la Commission ainsi que ses états financiers.  
AP CU PR

**Commission des parcs du Saint-Laurent (Ont.) : Rapport annuel 1988-89**

Morrisburg, Ont. : la Commission, 1989. 14, 14 p. : ill.  
Bilingue. CSI 56202 001. ISSN 0835-7781  
MICROLOG 90-05725 1 fiche

La Commission des parcs du Saint-Laurent est un organisme du ministère du Tourisme et des Loisirs de l'Ontario. Elle a pour mandat d'administrer des sites historiques situés le long du fleuve. Le rapport annuel contient la liste des commissaires, rapports qui traitent de Upper Canada Village et du Fort Henry; les rapports des directions des finances et de l'administration, des ressources humaines, des services techniques et d'entretien, de la commercialisation, des sites historiques; ainsi que les états financiers.  
CU ON PR

**Commission des rivières du patrimoine canadien : Rapport annuel 1988-89**

Ottawa : la Commission, 1989. 22, 22 p. : ill.  
Bilingue. CSI 22360 001. ISBN 0-662-56886-9  
MICROLOG 90-01064 1 fiche

Le Réseau de rivières du patrimoine canadien (RRPC) est un programme conjoint du gouvernement du Canada et, jusqu'à maintenant,



de huit provinces et des deux territoires. Les objectifs du RRPC sont de faire connaître, à l'échelle du pays, les rivières importantes du Canada et de veiller à ce qu'elles soient, à longue échéance, gérées de façon à conserver leurs valeurs naturelles, historiques et récréatives, pour le plaisir des générations actuelles et futures de Canadiens. Le document aborde la naissance du programme, le Réseau de rivières du patrimoine canadien, les rivières du Réseau, les rivières mises en candidature, les rivières désignées ainsi que leurs situations, et finalement, les défis des années 1990.  
CA EV SC

#### Commission des services en français de l'Ontario : Rapport annuel 1988-89

Toronto : la Commission, 1990. 26, 25 p.  
*Bilingue. CSI 56224.001. ISSN 0835-9415*  
MICROLOG 90-06326 1 fiche

La Commission a été créée en vertu de la Loi de 1986 sur les services en français. Dans ce dernier rapport on explique le mandat, la composition, le champ d'action et les activités de la Commission de 1988 à 1989. La dernière partie du document fait état des dépenses.  
ON PA PR

#### Commission des transports du Québec : Rapport annuel 1988-89

Québec : la Commission, 1989. 43 p.  
*CSI 67138.001. ISSN 0702-0996 ISBN 2-551-08457-1*  
MICROLOG 90-00986 1 fiche

La Commission des transports du Québec a été instituée par l'entrée en vigueur de la Loi sur les transports et son activité a débuté le 15 février 1973. Ce rapport annuel traite des sujets suivants: l'origine, la nature, les compétences générales et les fonctions principales; la loi constitutive, les lois et les règlements, le fonctionnement; l'organe décisionnel, l'appareil de soutien administratif, la structure administrative supérieure, les ressources humaines et budgétaires; le programme, les objectifs et les réalisations; et, les statistiques administratives; les orientations.  
PR QU SC ST TR

#### Commission des transports du Québec : Rapport annuel 1989-90

Québec : la Commission, 1990. 43 p.  
*CSI 67138.001. ISSN 0702-0996 ISBN 2-551-14146-X*  
MICROLOG 90-07251 1 fiche

La Commission est un tribunal administratif. Elle a compétence en matière de transport par autobus, de transport par taxi et limousine, de transport par camion, de transport de matières en vrac au moyen de camions à benne basculante, de transport maritime effectué dans le cadre de la compétence du Québec, de location de camions, tracteurs, remorques et semi-remorques et de courtage en camionnage en vrac. Ce rapport annuel fait le bilan des activités et des réalisations de la Commission durant l'année financière 1988-90. Inclut les états financiers.  
PR QU SC TR

#### Commission des valeurs mobilières du Québec : Rapport d'activités 1988-89

Québec : la Commission, 1989. 239 p.  
*CSI 67139.001.*  
MICROLOG 90-01056 3 fiche

Présente le rapport de la Commission des valeurs mobilières du Québec. Cette dernière a pour mission de favoriser le bon fonctionnement du marché des valeurs tout en assurant la protection des épargnants. Le rapport rend compte de l'ensemble des activités de la Commission et contient de nombreux renseignements d'intérêt tels les sociétés et les porteurs de titres, le marché des valeurs

mobilières et le service des communications.  
CO PR QU

#### Commission économique du Sud-Est inc. (N.-B.) : Rapport annuel 1988-89

Shediac, N.-B. : la Commission, 1989. 71 p.  
*Bilingue. CSI 46162.001*  
MICROLOG 90-04027 1 fiche

Ce document présente le rapport annuel de la Commission économique du Sud-Est Inc. pour l'année 1988-1989. Il fournit le rapport du président; le rapport du commissaire industriel et les états financiers.  
AP CO PR

#### Commission industrielle de Kent : Rapport annuel 1988-89

Bouctouche, N.-B. : la Commission, 1989. 27, 27 p. *Bilingue. CSI 46158.001.*  
MICROLOG 90-02591 1 fiche

Ce document présente le Rapport annuel de la Commission industrielle de Kent. Cette Commission cherche à stimuler l'activité économique dans tous les secteurs en collaborant avec l'industrie à résoudre des problèmes, à relever des défis et à trouver de nouvelles possibilités. Le document fournit des renseignements sur la situation actuelle des divers secteurs et donne un aperçu des perspectives d'avenir.  
AP CO MU

#### Commission Industrielle du Nord-Ouest Inc. : stratégie de développement économique : rapport final

Econosult ; Lavalin. Fredericton : Ministère du commerce et technologie ; Agence de promotion économique du Canada atlantique, 1989. ii, 137 p. *Bibliogr. L'édition anglaise (Northwest Industrial Commission...)* : 90-01711/2.  
MICROLOG 90-01710 2 fiche

Le ministère du Commerce et de la Technologie du Nouveau-Brunswick, a mandaté Econosult inc. en septembre 1988 afin d'étudier, évaluer et mettre à jour la stratégie de développement économique préparée par SECOR en 1981 à l'attention de la Commission Industrielle du Nord-Ouest (CINO). Ce document constitue le rapport d'étude final et porte sur les points suivants: le profil socio-économique; les forces et les faiblesses; l'impact de l'accord du libre-échange; les opportunités de développement; l'évaluation de la stratégie de développement; la nature du développement économique; la stratégie de développement; le plan d'action; l'organisation et la gestion de la CINO; et, les conclusions et recommandations.  
AP CO PR

#### Commission industrielle du Nord-Ouest (N.-B.) : Rapport annuel 1988-89

Fredericton : la Commission, 1989. 54 p.  
*CSI 46156.001*  
MICROLOG 90-00297 1 fiche

Le rapport présente la structure administrative de la Commission industrielle du Nord-Ouest Inc.; le bilan des activités de l'année; l'évolution des emplois du secteur manufacturier au Nord-Ouest 1982-1989; le rapport du vérificateur, et les états financiers.  
AP CO PA PR

#### Commission industrielle du Restigouche : Rapport annuel 1988-89

Campbellton, N.-B. : la Commission, 1989. 23 p. : ill. *Bilingue. CSI 49163.001.*  
MICROLOG 90-02590 1 fiche

Ce document présente le Rapport annuel de la Commission industrielle du Restigouche pour l'année 1988-89. Le document donne les faits saillants des services entreprises par la Commission.  
AP CO MU

#### Commission industrielle régionale de Chaleur : Rapport annuel 1989

Bathurst, N.-B. : la Commission, 1990. 8, 8 p. *Bilingue. CSI 46178.001.*  
MICROLOG 90-05098 1 fiche

Document présentant le rapport annuel de la Commission de développement régional Chaleur inc ainsi que le détail des états financiers.  
AP PL PR SC

#### Commission municipale du Québec : Rapport annuel 1988-89

Québec : la Commission, 1989. 88 p.  
*CSI 67163.001. ISSN 0229-8139 ISBN 2-551-04841-4*  
MICROLOG 90-04005 1 fiche

La Commission exerce ses pouvoirs à l'endroit des municipalités, des commissions scolaires et des fabriques et ses pouvoirs consistent principalement dans l'approbation des emprunts temporaires et à long terme, la tenue d'enquêtes sur l'administration financière des municipalités et l'exercice de la tutelle des municipalités en défaut. Ce rapport annuel pour l'année financière 1988-89 présente une vue d'ensemble des activités de la Commission. Il fournit aussi des informations sur l'aménagement et l'urbanisme, sur les requêtes déposées à la Commission, sur la tutelle des municipalités, sur l'administration des municipalités sans conseil, ainsi que sur les enquêtes de la Commission.  
MU PA PR QU ST

#### Commission of Inquiry into the Air Ontario crash at Dryden, Ontario : interim report

Commission of Inquiry into the Air Ontario crash at Dryden, Ontario (Canada). Ottawa : The Commission, 1989. ix, 78, ix, 79 p. : ill. *Bilingual (Commission d'enquête...d'Air...)*  
ISBN 0-662-57123-1  
MICROLOG 90-01735 2 fiche

In March 1989, a commission of inquiry (Moshansky Commission) was constituted into the contributing factors and causes of the crash of an Air Ontario flight at Dryden, Ontario. This interim report gives a background to the establishment of the inquiry, the organization of the commission, planning, terms of reference and their interpretation, procedural matters, and public hearings held to date. Interim findings and recommendations deal with hot refuelling with passengers on board, wing contamination, safety awareness, and last-minute checks for wing contamination in adverse conditions.  
CA ON SC TR

#### Commission of Inquiry into the Use of Drugs and Banned Practices Intended to Increase Athletic Performance

Charles L. Dubin, Commissioner. Ottawa : The Commission, 1990. xxix, 638 p. *Bibliogr. French ed. (Commission d'enquête...drogues...)*  
90-06585/8. ISBN 0-660-13610-4  
MICROLOG 90-06584 7 fiche

Provides an overview of government and sport in Canada, and an overview of doping. It examines the sports and events, the use and control of banned substances, and rights and ethical considerations. It offers conclusions and recommendations.  
CA CI CU

#### Commission of Inquiry Re Salaries of Provincial Court Judges : 1989 report

New Brunswick. Commission of Inquiry Re Salaries of Provincial Court Judges. Fredericton : The Commission, 1989. 13 p.  
MICROLOG 90-01144 1 fiche



Discusses the mandate, the process, the appropriate salary for 1989, attracting and retaining experienced and competent lawyers, and economic fairness. It presents conclusions regarding an appropriate salary as of April 1, 1989, and a process for future salary determination.  
AP JU LA PR

**Commission ontarienne de l'assurance-récolte : Rapport annuel 1988-89**

Toronto : la Commission, 1989. 13, 13 p. Bilingue. CSI 56104.001. MICROLOG 90-01643 1 fiche

Présente le rapport annuel de la Commission de l'assurance-récolte de l'Ontario pour l'exercice 1988-89. Comprend également les états financiers de ladite Commission et le rapport du vérificateur provincial.  
AG CO ON PR ST

**Commission ontarienne des droits de la personne : Rapport annuel 1988-89**

Toronto : la Commission, 1989. 46, 46 p. Bilingue. CSI 56124.001. ISSN 0702-0538 MICROLOG 90-06546 2 fiche

Ce document présente le rapport annuel de la Commission ontarienne des droits de la personne pour l'exercice 1989-90. Il se penche particulièrement sur les activités de chaque unité de la Commission. On décrit aussi des décisions prises par les commissions d'enquête et les tribunaux pendant l'année et des cas significatifs pour les questions de droits de la personne. Le document se termine avec des tableaux statistiques.  
JU ON PA PR ST

**Commission ontarienne des libérations conditionnelles : Rapport annuel 1989**

Toronto : la Commission, 1989. ii, 18, ii, 18 p. : ill. Bilingue. CSI 56283.001. ISSN 0847-1746 MICROLOG 90-03601 1 fiche

Ce rapport porte sur les libérations conditionnelles pour l'exercice se terminant le 31 mars 1989. On se penche sur l'organigramme; les établissements correctionnels par rapport aux régions de la Commission; les principales réalisations et nouvelles initiatives; les ressources humaines, la formation et le perfectionnement du personnel; le programme d'information de la communauté; le sommaire de l'exercice financier; et, les statistiques en ce qui concerne la charge de travail et les décisions.  
JU ON PR ST

**Commission québécoise des libérations conditionnelles : Rapport annuel 1988-89**

Québec : la Commission, 1989. 37 p. CSI 67194.001 ISSN 0228-8435 ISBN 2-551-08468-7 MICROLOG 90-00990 1 fiche

La Commission a pour objectif essentiel d'assurer une meilleure protection de la société en favorisant la réinsertion sociale de la personne incarcérée, dans la mesure où celle-ci démontre une motivation et une capacité à modifier son comportement. Les fondements, les modifications législatives et réglementaires, l'organisation, les réunions et les activités internes, le budget, les relations de la Commission, les opérations et les orientations sont les sujets traités dans ce rapport annuel  
JU PA PR QU ST

**Commission québécoise des libérations conditionnelles : Rapport annuel 1989-90**

Québec : la Commission, 1990. 33 p. CSI 67194.001. ISSN 0228-8435 ISBN

2-551-14165-6  
MICROLOG 90-07250 1 fiche

La Commission constitue l'organisme décisionnel responsable de l'octroi de la libération conditionnelle et des modalités d'application de la libération conditionnelle. Ce rapport annuel présente les activités de la Commission au cours de l'année 1989-90. Le 1er chapitre rappelle les fondements juridiques de la Commission depuis sa fondation en 1979. Les chapitres suivants contiennent des renseignements sur l'organisation, les réunions et les activités internes, le budget, les relations de la Commission (avec les autres commissions et avec le secteur policier), les opérations et les orientations.  
JU PR QU ST

**Commission to Review Allowances of Members of Parliament**

Canada. Commission to Review Allowances of Members of Parliament. Ottawa : The Commission, 1989. xxxiv, 75, xxxv, 84 p. : ill. Bilingual (Commission chargé...). ISBN 0-662-56856-7 MICROLOG 90-03238 3 fiche

The Commission's mandate is to make recommendations with respect to the allowances paid to Senators and Members of the House of Commons. This document includes the arguments for and against increased allowances.  
CA CO PA

**The Commissioning of nuclear power plants**

Canada. Advisory Committee on Nuclear Safety. Ottawa : The Committee, 1989. iii, 7 p. Bibliogr. (Research report ; INFO-0317) French ed. (La Mise en service...) on the same fiche. MICROLOG 90-01715 1 fiche

In response to a request for advice from the Atomic Energy Control Board, the objectives and requirements which should be met in commissioning nuclear power plants are given. The document includes objectives to be achieved during commissioning; criteria for the selection of systems or equipment to be included in a commissioning program; criteria for the demonstration of the operation effectiveness of identified systems or equipment, including the extent of full system testing, and the bases for acceptance criteria, and criteria for judging when commissioning tests are impractical.  
CA EN SC

**Commissions et comités gouvernementaux et parlementaires du Québec, 1867-1986 : liste bibliographique annotée**

par V. Jamet. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1987. iv, 186 p. Bibliogr. (Bibliographie et documentation ; 26) ISBN 2-551-06816-9 MICROLOG 90-02058 3 fiche

Ce document présente 6 types de renseignements sur les rapports: le titre et l'adresse bibliographique, le titre de l'édition anglaise; l'instrument juridique (arrêté en conseil, Lois spéciales, etc.) par lequel le comité a été officiellement créé, le mandat; le nom du président et des membres; une description du contenu des rapports. De plus, l'ordre de présentation des rubriques est le suivant: le titre du rapport et l'adresse bibliographique; le titre de l'édition anglaise; la création; le mandat, les membres; et, le contenu.  
CU PA PR QU

**Les Commissions parlementaires : dénomination, compétence et composition**

Québec : Assemblée nationale, Secrétariat des commissions, 1989. 15 p. MICROLOG 90-06577 1 fiche

Le 13 mars 1984, l'Assemblée nationale adoptait à l'unanimité de nouvelles Règles de procédure en remplacement de celles en vigueur depuis 1973. Il en est résulté des modifications substantielles dans le nombre, la dénomination, la compétence et la composition des commissions parlementaires. La composition des commissions reflète l'importance numérique des groupes parlementaires et tient compte de la présence à l'Assemblée des députés indépendants. Ce document se penche sur cette question.  
PA PR QU

**A Commitment to progress**

Ottawa : Indian and Northern Affairs Canada, 1989. 11, 13 p. Bilingual (Objectif : progrès). ISBN 0-662-57130-4 MICROLOG 90-02508 1 fiche

Canada's aboriginal people and northerners face challenges which are both urgent and complex. Increasingly, they are finding innovative solutions that fit their own special needs and aspirations. This document discusses the status of Indian and Inuit people, and the Yukon and the Northwest Territories.  
CA NO NP

**A Commitment to research and development : an action plan**

Toronto : Ministry of Industry, Trade and Technology, 1987. iv, 48 p. : ill. Bibliogr. MICROLOG 90-01407 1 fiche

At the First Ministers' Conference in November 1986, the need for a national action plan to increase Canada's research and development was discussed. This document from the Government of Ontario discusses the reasons why Canadian R&D spending should be increased and suggests a policy planning framework to achieve the target. Proposals are made on how the new R&D spending necessary to reach the 2.5% target could be funded among the various social partners, including the private sector, universities, federal, provincial and territorial governments.  
● CA ON PA SC

**Committee on the Environment : annual report**

Ottawa. Canadian Intergovernmental Conference Secretariat, 1989. 15 p. Bibliogr. French ed. (Comité de l'environnement...) on the same fiche Presented at the Conference of the New England Governors and the Eastern Canadian Premiers MICROLOG 90-00525 1 fiche

Annual report of the Committee, established in 1984 by the Conference of New England Governors and the Eastern Canadian Premiers to report on the status of environmental issues such as acid rain. The report covers the year's activities in acid rain, global climate change and its potential impact on the states and provinces, and the implementation of the principles of a good neighbour environmental relationship. Proposals for the new year include the reduction of the wet sulphur deposition target from 20 kg ha/yr to 12 kg ha/yr, and the preparation of a report for the 18th annual conference that will identify and assess the impacts of global atmospheric and climate change on the region.  
AP CA EV QU SC



**Committee on the Status of Women in Ontario Universities : Report on activities 1989-90**

Toronto : The Committee, 1990. 16 p.  
Bibliogr. CSI 99465.010.  
MICROLOG 90-06896 1 fiche

The Committee is responsible for generating, collating, and analyzing information on the status of women in Ontario universities of a nature useful for policy purposes. This annual report outlines the major activities and accomplishments of the Committee.  
ED ON PR SA

**Commodity trade by industrial sector : historical summary, 1983-87 : Canadian trade in total and with major partners (U.S., Japan, U.K., EEC(12) and OECD)**

Ottawa : Dept. of Industry, Science and Technology Canada, Policy and Evaluation, Statistical Analysis, 1988. 185 p. CSI/21149.003  
MICROLOG 90-00744 2 fiche

Provides a statistical review of Canada's external merchandise trade classified by the principal industrial sectors. The tabulations show total exports, total imports, and re-exports on a customs value basis. It presents separate breakdowns for exports and imports for five major trading partners: U.S., Japan, United Kingdom, European Economic Community, and the organization for Economic Cooperation and Development.

• CA CO EX

**Commodity trade by industrial sector : historical summary, 1984-88 : Canadian trade in total and with major partners (U.S.A., Japan, U.K., E.C. (12) and OECD)**

Ottawa : Dept. of Industry, Science and Technology Canada, Policy, Statistical Analysis, 1989. 186 p. CSI/21149.003.  
MICROLOG 90-02410 2 fiche

Presents tables which show total exports, (including re-exports), total imports, and re-exports on a customs value basis. For exports and imports, separate breakdowns are provided for five major trading partners: United States, Japan, United Kingdom, European Community and the Organization for Economic Co-operation and Development.  
CA CO EX ST

**Common breeds of beef cattle in Ontario**

by J. Field. Toronto : Ministry of Agriculture and Food, 1989. 2 v. : ill. Factsheet ; no. 89-090) (Factsheet ; no. 89-125) Contents: Vol. 1 : Part 1 -- vol. 2 : Part 2. ISSN 0225-7882  
MICROLOG 90-02894 1 fiche

Description in both words and pictures of the common beef cattle in Ontario. Suggested mature weight is given, along with the related cattle association.  
AG ON PR SC

**Common disorders of broad-leaved trees -- Rev.**

by T. Young. Toronto : Ministry of Agriculture and Food, 1990. 4 p. (Factsheet) ISSN 0225-7882  
MICROLOG 90-05345 1 fiche

Summary of disorders of broad-leaved trees, including methods of identifying the specific problem, soil quality, hardness (ability to withstand cold) ratings, environmental stresses, and human activities which may stress the trees.  
AG ON PR SC

**Communicable diseases in New Brunswick, 1987**

New Brunswick. Epidemiology Service. Fredericton : Dept. of Health and Community Services, 1988. 25, 25 p. Bilingual. CSI 45125.002  
MICROLOG 90-02152 1 fiche

The purpose of collecting provincial data on Communicable Diseases is to facilitate the prevention and control of those diseases for which we request information. This report contains data on the incidence and distribution of communicable diseases reported to the Epidemiology Service for the period January 1, to December 31, 1987. It calculates incidence rates for twenty communicable diseases.  
AP CI HE PR ST

**Communication and information technologies sector : study no. 2 : final report**

DPA Group Inc. Vancouver, B.C. : The Corporation ; Winnipeg : Canada-Manitoba Subsidiary Agreement on Communications and Cultural Enterprises, 1988. 164 p. CSI/32133.200.  
MICROLOG 90-06258 2 fiche

This study is one of 4 evaluating the Canada-Manitoba Subsidiary Agreement on Communication and Cultural Enterprises, signed on June 11, 1984 and expiring on March 31, 1989. The study concentrates on the economic impacts on the communications and information technology sector, covered by Component 1 of the Agreement. The study developed an industry profile, identified major industry problems; assessed the effects of the Agreement on the industry; determined if the program will solve the industry problems identified; and suggested any changes to the program if required. Information was obtained through personal interviews with project beneficiaries for 18 of the 21 projects receiving funds, with 11 firms which did not receive funding, with 5 program managers and with representatives of 3 industry associations; a review of project files, Steering Committee minutes and progress reports; a review of documentary sources of industry data; and a focus group meeting with 4 senior representatives from industry to discuss qualitative issues and the focus required of any future programs.  
CA MS PS SC ST TE

**Communication and transportation networks reliability using routing models -- Rev.**

by B. Sanso and F. Soumis. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 34 p. : ill. Bibliogr. (Publication ; no. 548)  
MICROLOG 90-06646 1 fiche

A general framework for calculating a reliability measure for several types of flow networks is presented. This framework allows the performance of reliability analysis for complex systems such as communication, electric power and transportation networks. The analysis is based on the notion of routing and re-routing after a failure and different modelling approaches are discussed for every type of system surveyed.  
PR PS QU SC TR

**Communications aéronautiques**

Ottawa : Transports Canada, Air, 1981. 159, 152 p. (Bulletin de terminologie ; 165) Bilingue (Aeronautical communications). ISBN 0-662-51449-1  
MICROLOG 90-04860 4 fiche

Ce lexique et la phraséologie qui l'accompagne sont destinés à répondre à l'une des recommandations de la Commission d'enquête sur le bilinguisme dans les services de contrôle de la circulation aérienne au Québec. Il porte sur les termes anglais-français, français-anglais,

du domaine des communications aéronautiques. Il marque une autre étape importante du processus d'implantation du français dans un secteur aussi vital que celui de la circulation aérienne  
CA SC TR

**Communications devices and components research**

Ottawa : Communications Canada, 1989. 8, 8 p. : ill. Bilingual (Recherche sur les dispositifs...). At head of title: The Department of Communications Research Program. ISBN 0-662-57155-X  
MICROLOG 90-05870 1 fiche

The Branch investigates the generic electronic technologies used to process and manipulate communications signals and information technology systems, and carries out research into electronic devices, components and circuits, optical communications, and photonics. This document describes research into monolithic microwave integrated circuits, very high-speed digital integrated circuit components, phased-array antenna technology, extremely high frequency components, optoelectronics, new compound semiconductor devices, optical communications, photonics and reliability studies. The Branch's activities in technology transfer and collaboration are also covered.  
CA SC TE

**Communications technologies research**

Ottawa : Communications Canada, 1990. 12, 12 p. : ill. Bilingual (La Recherche sur les technologies...). At head of title: The Department of Communications Research Program. ISBN 0-662-57348-X  
MICROLOG 90-05578 1 fiche

The Communications Technologies Research Branch performs generic R&D to meet long-term needs in radio and satellite communications systems and services in the areas of advanced communications satellite technologies, systems and applications, emerging terrestrial radio communications technologies and systems; and radio propagation. This report covers the projects in these 3 areas, including the mobile satellite (MSAT) system and the stationary high altitude relay platform (SIARP), a microwave powered platform circling 21 km above the earth and relaying signals from the ground.  
CA SC TE

**Community and social service trends in Hamilton-Wentworth**

by G. DeSantis. Hamilton, Ont. : Social Planning and Research Council of Hamilton and District, 1989. 24 p. : ill. Bibliogr. MICROLOG 90-01180 1 fiche (Available on fiche only)

This report contains population and community trends, service trends, and a discussion of future developments.  
MU ON SA

**The Community as a base for regional development**

by S.E. Perry. Ottawa : Economic Council of Canada, 1989. ix, 69 p. Bibliogr. (Local development paper ; no. 11) ISSN 0225-8013  
MICROLOG 90-04058 1 fiche (Available on fiche only)

This document discusses the strategy of community economic development, rejecting location incentives, the community approach to regional development, evaluation studies, and public policy implications.  
• CA CO

**The Community college graduate follow-up survey report, 1989**

Halifax : Dept. of Advanced Education and Job



Training, 1989. 111 p. : ill. CSl 52149 002  
ISSN 0835-7757  
MICROLOG 90-03298 2 fiche

0The report lists the institutions whose graduates were surveyed, and summarizes the general findings of the survey regarding all respondents. It also provides employment and unemployment rates for each program in order to facilitate comparison to unemployment rates which are reported monthly by Statistics Canada, and contains a user's guide with information on the outcomes of respondents for each program. Finally, it outlines the major occupational groups of the Canadian Classification and Dictionary of Occupations, outlines the standard industrial classification industry divisions also used for coding purposes in the survey, presents a copy of the questionnaire used to survey 1988 community college graduates, and discusses the calculation and use of confidence intervals.  
AP ED PR ST

### Community development policy, 1987-90 capital plan

Vancouver, B.C. : Vancouver Planning Dept., 1986. 66 p. : maps.  
MICROLOG 90-03101 1 fiche

This document is made up of two reports prepared for use in the city's planning process. Part 1 provides information on population, dwellings, employment, existing zoning capacity, and areas in which city initiated change is anticipated. Part 2 focuses on adapting elements of the City's strategy for managing change to the task of setting priorities among and within service areas. It stresses the need to ensure that projects in the Capital Plan act in concert with the strategy.  
BC MU PL

### Community economic development programs in the Greater Vancouver Regional District

SERA Consulting Corp. Vancouver, B.C. Greater Vancouver Regional District, Development Services Dept., 1986. 37 p.  
MICROLOG 90-05167 1 fiche

Examines development programs for the District of Burnaby, the Municipality of Delta, the City of New Westminster, the North East Sector, the North Shore, the Township of Richmond, the District of Surrey, the City of Vancouver, and the City of White Rock.  
BC CO MU

### Community emergency planning : a handbook for police

by H. Tremblay. Ottawa : Canadian Police College, 1989. v, 152 p. : ill. ISBN 0-662-17169-1  
MICROLOG 90-04490 2 fiche

This document presents principles of emergency planning, and provides information on what to include in a Community Emergency Plan, guidelines for determining the vulnerability of a community, and knowledge of resources. It also contains a model community plan, information on solving your community's problems, and characteristics of major emergencies, and myths.  
• CA CI JU

### Community use of schools : policy statement -- Rev.

New Brunswick, Dept. of Education, Fredericton. The Dept., 1986. 12 p.  
*Bilingual (Utilisation communautaire des.)*  
MICROLOG 90-03780 1 fiche

The intent of this policy is to provide guidelines for the promotion and use of school facilities by the community when these facilities are not required for educational purposes.  
AP ED PR

### Community wastewater and solid waste practices on Saskatchewan Indian Reserves : an environmental evaluation

by J.T. Harrison, D.T. Waite and T. Bonish. Ottawa : Environmental Protection Service, Western and Northern Region, 1989. ii, 21 p. Bibliogr. (Report, CPEP) WNR 88/89-7)  
MICROLOG 90-06369 1 fiche

This report presents the environmental evaluations from 90 community wastewater facilities on 76 reserves. Solid waste practices on 74 reserves are also evaluated and reported. Sewage systems most applicable for Indian Reserves are discussed to guide Indian and Northern Affairs and Bands in their future selection of sewage systems, and recommendations are provided to improve community wastewater and solid waste practices.

• CA EV MS NP SC

### Community-based resource management in Canada : an inventory of research and projects

Fay G. Cohen and Arthur J. Hanson, editors ; prepared by the Unesco Canada/MAB Working Group on the Human Ecology of Coastal Areas. Ottawa : Canada/MAB, Canadian Commission for Unesco, 1989. 190, 11 p. : maps. Bibliogr. (Report ; 21)  
*Bilingual (La Gestion communautaire des ressources...)*. ISSN 0317-5693  
MICROLOG 90-00362 3 fiche (Available on fiche only)

The issue of human-environment interactions is a central concern of the UNESCO Man and the Biosphere (MAB) program, established in 1971 as a worldwide program of international scientific cooperation. In 1983 the UNESCO/Canada MAB committee established a working group on the human ecology of coastal areas to explore the human dimension of resource use and to gain a better understanding of how local communities and resource users can influence resource management activities. This report compiles information about community-based resource management research projects for Nova Scotia, Coastal Quebec, James Bay, Great Lakes/Ontario, Coastal British Columbia, and Denendeh (Western Arctic). Each section gives an overview of key resource issues, a descriptive inventory of studies and projects, a bibliography, and a list of scholars, institutes, organizations and periodicals. The descriptive inventory is arranged by category (regional development planning, resource/environmental enhancement and conservation, resource allocation, conflict resolution, local-level resource use and management).  
CA EV EX SC

### Commuter Rail Coast Advice System, phase I and II

by G.W. English...et al. Toronto : Ministry of Transportation, Transportation Technology and Energy Branch, 1990. v, 48 p. : ill. *Contents. Phase I : Report on the testing of a train driver advice system for fuel conservation ; P.J. Pudney, B.R. Benjamin, G.W. English -- phase II : Reassessment of the economics of a coast advice system for GO Transit ; G.W. English, T.W. Moynihan, H. Boumeester*  
MICROLOG 90-04819 1 fiche

A fuel conservation system, consisting of software and hardware developed by the South Australian Institute of Technology for use on commuter rail trains, was tested on a 4-car GO Transit commuter train. The device advises the engine driver to apply power, coast, or brake in order to operate the train in a fuel-efficient manner while maintaining the prescribed schedule. The test was conducted on a train operating in revenue service on the Lakeshore line, which is 60 km in length.  
ON PR SC TR

### Comparative aspects of the Insurance Corporation of British Columbia and private sector insurance companies in Canada

North Vancouver, B.C. : Insurance Corporation of British Columbia, 1990. 22 p. : ill.  
MICROLOG 90-05300 1 fiche

Presents comparisons for administrative efficiency, investments, coverage and protection, universal coverage, premiums, subsidies in reverse, auto accident statistics, taxes, discrimination and the claim-rated scale, solvency requirements, and driver point premiums for MVA infractions.  
BC CO PR

### A Comparative growth and yield study of red and black spruce planted on the same site

Truro, N.S. : Dept. of Lands and Forests, 1989. 4 p. : ill. Bibliogr. (Forest research report ; no. 12)  
MICROLOG 90-02236 1 fiche

Black spruce and red spruce are species of major commercial importance in Nova Scotia due to their suitability for both fiber and sawlog production. The silvicultural characteristics of each have been documented extensively, but little is known about their relative growth rates when planted on the same site. To provide such information, 3 red and black spruce plantations located in Nova Scotia were sampled using stem analysis.  
AP FO PR SC

### The Comparative toxicity of crude and refined oils to *Daphnia magna* and *Artemia*

by M.M. MacLean and K.G. Doe. Ottawa : Environment Canada, Environmental Protection Directorate, River Road Environmental Technology Centre, 1989. v, 66 p. Bibliogr. (Report, EE-111)  
MICROLOG 90-05731 1 fiche

Acute toxicity tests were performed on the water soluble fractions (WSFs) of 22 oils, 8 pure hydrocarbons and 2 reference toxicants using *Daphnia magna* in freshwater and *Artemia* in seawater. The oils tested were frequently or potentially transported in Canada. Test concentrations were confirmed by fluorescence spectroscopy. Exposure responses range from a 48-hour EC50 of 1.3% of the WSF, to those for which the oils were neither lethal nor immobilized the animals at 100% concentration. Toxicity results are summarized by ranking the oils from most to least toxic.  
• CA EN EV SC

### Comparison and validation of two shallow water spectral wave models

by D.O. Hodgins, C.T. Niwinski and D.T. Resio. Ottawa : Environmental Studies Research Funds, 1989. xvii, 143 p. : ill., maps. Bibliogr. (Environmental Studies Research Funds report ; no. 103) ISBN 0-921652-06-2  
MICROLOG 90-01182 2 fiche

Design wave criteria are needed in offshore areas that feature water depths sufficiently shallow to modify wave conditions from deep water, including Sable Island Bank, the Beaufort Sea and parts of Queen Charlotte Strait in B.C. This study compared the performance of a first-generation model (SPECREF) developed and tested by Seaconsult Marine Research Ltd., and a second-generation model (WAVAD) developed by Offshore and Coastal Technologies Inc. to determine their suitability for application in Canadian waters. New directional wave data were collected to the south of Sable Island in 22 m and 12 m of water, concurrently with non-directional deep water measurements. The directional data was processed to yield estimates of significant wave height, peak period, peak direction, the energy



spectrum, and the wave direction and exponent as functions of frequency. Data was collected over 36 days from December 1984-January 1985 for 4 winter storms with winds and waves from the south and southwest. Models were used to hindcast the storms, and 2 idealized tests for wind-sea and swell incident were also compared.  
CA EV NR SC

#### Comparison of Goretex laminated and Dermoflex coated fabrics

by P.A. Dolhan. Ottawa : Defence Research Establishment Ottawa, 1989. vii, 16 p.  
Bibliogr. (Technical note ; no. 90-1)  
MICROLOG 90-03247 1 fiche

A new prototype Arctic clothing system was proposed for the Canadian forces which must protect the soldier in a variety of weather and work conditions and be breathable. Two fabrics, a polyester/cotton fabric laminated with Goretex, and a nylon fabric coated with Dermoflex, were proposed. Samples of each fabric were subjected to various physical tests, both before and after laundering 20 times, at room temperature and at -40C to determine the durability of the fabrics. Prototype garments made of the nylon fabric were laundered to determine the durability and effects of laundering on the construction. Donning and doffing of the prototype system was performed at 0 and at -40C and timed.  
CA PS SC

#### Comparison of heat and hydrostatic pressure shocks to induce triploidy in steelhead trout *Oncorhynchus mykiss*

by C. Guoxiong, I.I. Solar and E.M. Donaldson. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989. iv, 11 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1718)  
ISSN 0706-6457  
MICROLOG 90-03428 1 fiche

Triploid female salmonids are known to be sterile and thus may offer certain advantages for aquaculture. This study was conducted to compare various temperature and pressure shocks for the induction of triploidy in steelhead trout, an anadromous form of *Oncorhynchus mykiss*. Thermal or hydrostatic pressure shocks were administered 25 min post-fertilization to groups of steelhead trout eggs. Thermal shocks ranged from 26C-36C, lasting from 1.25-20.0 min. Pressure shocks ranged from 5.5 to 8.3 x 10-4 kPa, lasting from 2-6 min. Triploid induction was evaluated by measurement of the major axis of erythrocyte nuclei.  
• CA CF FI LS SC

#### Comparison of Meyer and Morton evaporation techniques from open water surfaces

by G.Z. Feng, G.S. Strong and W. Nicholaichuk. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. viii, 88 p. : ill. Bibliogr. (NHRI contribution ; no. 89010) ISSN 0838-1992  
MICROLOG 90-02456 2 fiche

Accurate estimates of evaporation from lakes, reservoirs and other open water bodies is important for practical applications and scientific studies in hydrology, water resources development and management, and many related fields on the semiarid Canadian prairies. This report presents results from the first of a series of studies comparing various techniques used to estimate open-water evaporation. The report presents the results of tests comparing the consistency of the Meyer and Morton techniques for estimating both pan-size and lake-size open water evaporation using climatological data from 11 stations on the Canadian Prairies and 9 stations in Shaanxi, China. The two

methods were evaluated using evaporation pan data from the above stations as control data, and interpolated values of evaporation obtained from the mean annual lake evaporation map provided by Fisheries and Environment Canada (1978).  
CA EV PS SC

#### A Comparison of Ontario waste classes and U.S. EPA Land Disposal Ban Categories : final report

Energy Systems Research Group. Toronto : VHB Research & Consulting Inc., 1988. 5 p. Bibliogr.  
MICROLOG 90-02871 1 fiche

Series of tables comparing Ontario waste classes and U.S. EPA land disposal ban categories. There is considerable uncertainty involved, since classes may not correspond exactly.  
EV ON PR SC

#### A Comparison of precociousness in three graded size classes of hatchery-reared rainbow trout *Salmo gairdneri*

by K. Tsumura and J.M.B. Hume. Victoria : Ministry of Environment and Parks, 1986. i, 10 p. Bibliogr. (Fisheries technical circular ; no. 75) ISSN 0229-1150 ISBN 0-7726-7079-X  
MICROLOG 90-06968 1 fiche

Rainbow trout, as in most other salmon species, produce males which mature early and spawn as two year olds. Rapid growth rates in the first year are regulated by both environmental and genetic factors, and affect sexual maturation rates. With the onset of sexual maturity, growth rate is reduced and the fish becomes unattractive to a sport fishery. This study was conducted to determine the feasibility of grading out faster growing juvenile rainbow trout in a hatchery population to reduce the number of precocious males in the lake stocking program in B.C.  
BC FI LS PR SC

#### Comparison of the behavior of hardwood packing tested under controlled conditions with in situ observations

by W.D. Gallant and D. Payne. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1989. vi, 20 p. : ill. Bibliogr. (Report ; CRL 89-98(TR))  
MICROLOG 90-03365 1 fiche

The Cape Breton Development Corp. and the Cape Breton Coal Research Laboratory have been examining the behaviour of gateroads behind advancing longwall faces. Hardwood packing is an integral part of the gateroad support. To enable a better understanding of the behaviour of the gateroad, a series of 9 full scale tests were performed on typical pack configurations used in the Sydney coalfield. The testing was uniaxial compressive with loading normal to the packs. The mine roof simulator of the Pittsburgh Research Centre, USBM undertook the testing. Results produced are to be used in back analysis of field data, hardwood pack design and as a reference for pack design using alternative materials.  
• AP CA CM NR PS SC

#### A Comparison of the durability of methanol- and gasoline-fuelled vehicles

prepared by D.K. Mitchell ; for D. Elliott. Downsview, Ont. : Ministry of Transportation, Transportation Technology and Energy Branch, 1989. vii, 62 p. : ill.  
MICROLOG 90-00948 1 fiche

Evaluation of a fleet of Ford Escorts for durability. Five of the vehicles operated on near-neat methanol fuel while 2 operated on

gasoline. Durability was determined by both pre- and post-measurement of engine components and analysis of the vehicle's used engine oil at regular intervals. Fuel consumption and maintenance problems were also monitored.  
ON PR PS SC TR

#### Comparison of the effluent monitoring requirements for specific U.S. petroleum refineries to proposed Ontario Ministry of the Environment regulations

EA Engineering, Science and Technology, Inc. Ottawa : Petroleum Association for Conservation of the Canadian Environment, 1988. ix, 147 p. (PACE report ; no. 88-4)  
MICROLOG 90-01924 2 fiche

The draft effluent monitoring regulations for petroleum refineries issued by the Ministry of the Environment (MOE) were compared to U.S. Environmental Protection Agency (U.S. EPA) recommendations and National Pollutant Discharge Elimination System (NPDES) permits for 34 petroleum refineries in states surrounding the Great Lakes. Major differences in the number and frequency of parameters monitored between U.S. EPA guidelines, MOE draft regulations, and individual NPDES permits were noted.  
• CA EN EV ON SC

#### Comparison of the gonadal growth of six groups of sea urchins *Strongylocentrotus intermedius* reared by different quantities of Laminaria in polyethylene net cages on the shallow reef of Rumoi, Hokkaido

by K. Tajima...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 14 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5244) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-02714 1 fiche

The sea urchin fishery has as its production target the gonads of sea urchins, and the quantity as well as the quality of the gonads affect the productivity of the fishery. This quality is dependent on the quality of kelp used for feed, which varies in different areas of the coast. This paper reports on an experiment in which cultivated kelp or natural narrow kelp was fed to sea urchins to improve gonadal growth.  
• CA CF FI LS SC

#### Comparison of the growth of gynogenetic diploids with control diploids in hiram *Paralichthys olivaceus* reared in the same tank

by K. Tabata and S. Gorie. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 13 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5449) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-00579 1 fiche

Induced production of gynogenetic diploids has already been attempted with numerous fish species but there are almost no fish species in which the states of growth and survival following induced production is known. This paper compares the growth of gynogenetic diploids with that of control diploids of hiram *Paralichthys olivaceus* by rearing in the same tank from larval to young stage. Idh-I isozyme was used as a genetic marker to distinguish each group in the mixed population.  
• CA CF FI LS SC

#### Comparison of various methods of assessing water quality by means of *Oligochaetes*

by T. Slepukhina. Ottawa : National Research



Council, Canada Institute for Scientific and Technical Information, 1985. 9 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5158) *Originally published in Russian, by the Institute of Zoology and Botany, Academy of Sciences of the Estonian SSR, at Tallin, USSR.* ISSN 0704-3716  
MICROLOG 90-00102 1 fiche

The oligochaeta are a group of invertebrates often used for bioindication of heavy organic pollution established over long periods. A number of methods exist for indicating water quality by means of oligochaeta, some of which are very specific. This paper examines some of the methods, as exemplified by the waters of Lake Ladoga, the Sukhona River, and the shallow ponds of the Northern Caucasus.

• CA CF EV FI SC

### Compendium d'essais de lixiviation des déchets

Ottawa : Environnement Canada, Service de la protection de l'environnement, 1990. xvii, 74 p. : ill. Bibliogr. (Rapport ; SPE 3/1A/7) *L'éd. anglaise (Compendium of waste...)* 90-05431/1. ISBN 0-662-96190-9  
MICROLOG 90-05303 1 fiche

Ce document présente la lixiviation en termes de concepts plutôt que sous forme d'équations mathématiques, et il offre une classification et une nomenclature uniforme des essais de lixiviation, un glossaire et une bibliographie exhaustive. En tant que tel, il donne au profane un aperçu des objectifs des essais de lixiviation, des particularités expérimentales et de l'interprétation des résultats d'essai, tout en constituant pour l'expert une liste unique de références.

CA EV SC

### Compendium de recherche, 1987-88

par L. Seshagiri. Ottawa : Société canadienne d'hypothèques et de logement, Centre canadien de documentation sur l'habitation, 1989. 132 p. *Les références bibliographiques sont en français ou en anglais (Compendium of research, 1987-88).* CSI 22118.003.  
MICROLOG 90-02259 2 fiche

Ce compendium porte sur la loi qui a pour objet d'aider à améliorer les conditions d'habitation et de vie au Canada. Il se divise en domaines d'études généraux et réunit des abrégés de rapport de recherches préparés en application de la partie 5, des rapports produits au titre du Programme de subventions de recherche, de projets de recherche pour l'application des programmes et enfin, des thèses et mémoires rédigés par des diplômés admis au Programme de bourses d'études de la Société. Des index matières, auteurs et titres plus détaillés se trouvent à la fin du Compendium.

CA PL SC

### Compendium de recherche, 1988-89

par L. Seshagiri. Ottawa : Société canadienne d'hypothèques et de logement, Centre canadien de documentation sur l'habitation, 1989. 115 p. *Les références bibliographiques sont en français ou en anglais (Compendium of research, 1988-89).* CSI 22118.003.  
MICROLOG 90-06931 2 fiche

Ce document vise à rendre publics et plus accessibles les rapports de recherches et d'études rédigés au titre de programmes de recherche que la Société a parrainés en 1988-89. Le Compendium se divise en domaines d'études généraux et réunit des abrégés de rapports de recherches préparés en application de la partie IX, des rapports produits au titre du programme de subventions de recherche, et des thèses et mémoires rédigés par des diplômés admis au programme de bourses d'études de la Société. De plus, des index matières, auteurs et titres plus

détaillés se trouvent à la fin du Compendium.  
CA SA

### Compendium des véhicules adaptés

compilé par Rémi Blanchet et Jacques Bêty. Ottawa : Transports Canada, Centre de développement des transports, 1988. xii, 85 p. : ill. Bibliogr. *L'éd. anglaise (Compendium of accessible...)* : 90-04089/2.  
MICROLOG 90-04088 2 fiche

Ce répertoire présente une information détaillée sur une sélection de véhicules adaptés disponibles sur le marché nord-américain. Pour en faciliter la consultation, il a été divisé en sections correspondant aux huit catégories suivantes : automobile, taxi, fourgonnette, mini-fourgonnette, châssis-cabine, minibus, bus et bus articulé. La description donne la fiche technique, les équipements facultatifs et une photo ou un dessin. Le répertoire se termine par une bibliographie et une liste des constructeurs automobiles et entreprises spécialisées dans l'adaptation des véhicules automobiles.

CA SA SC TR

### Compendium of accessible vehicles

compiled by Rémi Blanchet and Jacques Bêty. Ottawa : Transport Canada, Transportation Development Centre, 1988. xii, 85 p. : ill. Bibliogr. *French ed. (Compendium des véhicules...)* : 90-04088/2.  
MICROLOG 90-04089 2 fiche

This compendium provides detailed information on a selected number of accessible vehicles available in North America. It is divided into eight vehicle categories: personal car, taxi, minivan, van, body-on-chassis vehicle, small bus, large bus, and articulated bus. Vehicle descriptions include technical specifications, available accessibility options, and photographs or drawings. It also includes a selected bibliography and a list of vehicle manufacturers and converters.

CA SA SC TR

### Compendium of Canadian manufactured forest machinery and tools

by F. Humar. Ottawa : Government of Canada, Forestry Canada, 1989. 255 p. : ill. (Information report ; DPC-X-31) ISSN 0705-324X ISBN 0-662-17471-4  
MICROLOG 90-06964 3 fiche

Provides information on the various kinds of forest equipment and tools manufactured in Canada. Every attempt has been made to include all forest machinery and tools. The Compendium is divided into three key forestry sectors: silviculture, logging and transport, and forestry support. Silviculture covers nine specific equipment groups, logging and transport covers six main functions as well as specific equipment groups, and forestry support contains four specific equipment groups.

• CA FO SC

### Compendium of Canadian manufactured sawmilling equipment and services

by F. Humar. Ottawa : Forestry Canada, 1989. 163 p. : ill. (Information report ; DPC-X-30) ISSN 0705-324X ISBN 0-662-17470-4  
MICROLOG 90-06963 2 fiche

This compendium is intended to provide information on the various kinds of sawmilling equipment and services manufactured in Canada. Every attempt has been made to include all forestry sawmill machinery and equipment.

• CA FO SC

### Compendium of grievance arbitration decisions, 1987

Winnipeg : The Board, 1989. 132 p.  
MICROLOG 90-00450 2 fiche

This document identifies, for each decision, the name of the employer, union, and arbitrator. It also specifies the issues of the case, the circumstances, and the award. It includes a Brown and Beatty Topical Code Index, an Employer Index, and a Union Index.  
LA MS PR

### A Compendium of research and development sponsored by Forestry Canada under the Canada-Ontario F.R.D.A.

by J.B. Scarratt. S.I. : Canada-Ontario Forest Resource Development Agreement, 1989. xi, 122, xii, 122 p. : ill. Bibliogr. (COFRDA report ; 3301) *Bilingual (Un Abrégé de recherche et développement...)*. ISSN 0847-2866 ISBN 0-662-57078-2  
MICROLOG 90-05899 3 fiche

Descriptive summary of the 48 R&D projects which constitute the federal-delivery portion of the Canada-Ontario Forest Resource Development Agreement. The projects cover a broad range of topics in the areas of silviculture and forest management, forest ecology, tree physiology, tree improvement and genetics, and forest protection. Each project entry describes the objectives, methodology and achievements of the research.

• CA FO ON SC

### Compendium of research, 1987-88

by L. Seshagiri. Ottawa : Canada Mortgage and Housing Corporation, Canadian Housing Information Centre, 1989. 132 p. *Citations are in English or French (Compendium de recherche, 1987-88).* CSI 22118.003.  
MICROLOG 90-02259 2 fiche

Compendium of research conducted during 1987/88 on the social, economic and technical aspects of housing and related fields. The compendium is arranged by broad subject areas and consists of abstracts of Part V research reports, reports produced under the external research program, operations support projects, and dissertations produced under the CMHC scholarship program. Detailed subject, author and title indexes are included.

CA PL SC

### Compendium of research, 1988-89

by L. Seshagiri. Ottawa : Canada Mortgage and Housing Corporation, Canadian Housing Information Centre, 1989. 115 p. *Citations are in English or French (Compendium de recherche, 1988-89).* CSI 22118.003  
MICROLOG 90-06931 2 fiche

Under Part IX of the National Housing Act, the Government of Canada provides funds to the Canada Mortgage and Housing Corporation to conduct research into the social, economic, and technical aspects of housing and related fields. This sixth Compendium of Research has been compiled to publicize and increase access to the research and scholarship reports produced under research programs sponsored by the Corporation during 1988/89.

CA SA

### Compendium of seniors related programs, 1988-89

Winnipeg : The Province, 1990. 115 p.  
MICROLOG 90-05082 3 fiche

This compendium presents a summary of senior related programs from all across the province. Total expenditure for each Dept. is included. A brief outline of each program, which Dept. it belongs to, number of staff, target population or clients served, its financial status along with brief information about the program rounds out the document.

MS PR SA

### Compendium of waste leaching tests

Wastewater Technology Centre (Canada). Ottawa : Environment Canada, Environmental



Protection Service, 1990. xvii, 68 p. : ill. Bibliogr. (Report ; EPS 3/HA/7) *French ed. (Compendium d'essais...)* : 90-05303/1. ISBN 0-662-17662-6  
MICROLOG 90-05431 1 fiche

This compendium is a layperson's introduction to leaching tests. It describes leaching as concepts rather than mathematical equations, introduces a classification and uniform nomenclature for leaching tests, and includes a glossary and a comprehensive bibliography. It gives the novice an overview of leaching test purposes and experimental features and the interpretation of test results.

• CA EV PS SC

### The Compensability of disabilities resulting from workplace stressors : options paper

Toronto : Workers' Compensation Board, 1989. 33 p.  
MICROLOG 90-05234 1 fiche

A report summarizing the responses from external consultation to a paper which considered the scientific literature on workplace stressors, the potential role of psychiatric evidence in claims and adjudication, and various tests now in use, was considered by the Board. The Board requested that another paper be prepared, outlining some options for the compensation of disabilities resulting from workplace stressors. This document provides an analysis of the earlier discussion paper and the submissions received in response to the external consultation process.

LA ON PR

### Compensation for disablements arising from workplace stressors : policy proposal

Toronto : Workers' Compensation Board, 1990. 40 p.  
MICROLOG 90-05233 1 fiche

This paper reviews the key issues that have been identified throughout the policy development process and presents a recommendation for the future direction of compensation for disablements arising from workplace stressors.

LA ON PR

### Compensation for industrial disease under the Workers' Compensation Act of Ontario

by Terence G. Ison ; commentaries by John I. Laskin, Katherine Lippel, David K.L. Starkman. Toronto : Industrial Disease Standards Panel, 1989. 82 p. ISBN 0-7729-6158-1  
MICROLOG 90-03976 1 fiche

Discusses the nature of Schedules 3 and 4 under the Workers' Compensation Act and of Policy Guidelines or eligibility rules with respect to the Act as instruments for structuring the discretion of the Workers' Compensation Board with respect to the adjudication of industrial disease claims. It also addresses the role of Policy Guidelines or eligibility rules in the adjudication of claims involving non-scheduled diseases and scheduled diseases, the nature and importance of the Board's general and unstructured discretion with respect to the adjudication of disease claims, and the significance of subsection 3 of the Act with respect to the adjudication of industrial disease claims according to IDSP Report number 4.

HE LA ON PR

### Compensation for Victims of Crime Act : Annual report 1988-89

Fredericton : Dept. of Solicitor General, 1989. 13, 13 p. *Bilingual (Loi sur l'indemnisation des...)*. CSI 45126 001.  
MICROLOG 90-05419 1 fiche

This annual report reviews general information about the legislation, departmental information about the processing of applications, and the

cost-sharing arrangements. It introduces statistical summaries on the applications which were granted or refused.

AP JU PR ST

### Les Compétences linguistiques du Québec après l'Accord du lac Meech

Conseil de la langue française ; avis au Ministre responsable de l'application de la Charte de la langue française. Québec : le Conseil, 1990. 90 p.  
MICROLOG 90-04849 1 fiche

Le droit linguistique québécois a été contesté à plusieurs reprises en raison de son incompatibilité avec la constitution canadienne. Ce document se penche sur la question en fournissant des renseignements sur: la problématique; l'action linguistique du Québec; la mise en oeuvre politique de la disposition relative à la 'Société distincte'.

CU JU PR QU

### Competent scour velocity of cohesive soils

by J.W. Kamphuis. Toronto : Ministry of Transportation, Research and Development Branch, 1988. iii, 67 p. : ill. Bibliogr.  
MICROLOG 90-02322 1 fiche

Little information is available for calculating the scour resistance of cohesive soils. While the erodibility of granular soils such as sand and gravel has been studied extensively, the competent velocity of cohesive soils is approximated from very descriptive soil classifications such as soft, firm, stiff, etc. This study relates scour resistance of cohesive soils to quantifiable soil parameters such as soil strength, plasticity, liquid limit, type of clay, percent clay, and silt. Although the initial scope of the problem was to determine the fluid shear stress which causes initiation of scour and to translate these results into competent velocity, the scope was later extended to investigate scour depth and the time element of erosion.

ON PR SC TR

### Competing in the new global economy, volume II : industrial policy studies

Ontario. Premier's Council. Toronto : The Council, 1988. 195 p. CSI 56238.202.  
MICROLOG 90-00305 3 fiche

This volume summarizes current Ontario and federal industrial policies, comparing them to the most successful policies identified abroad. It reviews domestic policies for high-growth and emerging industries and compares them to what is best practice abroad, and assesses Canadian approaches to aiding entrepreneurs, contrasting these efforts with what has happened elsewhere. It also discusses the inadequacy of Canadian science and technology policies in light of the aggressive and successful mobilizations underway abroad. Finally it presents a comparison of Ontario and Canadian training strategies and the approaches of other countries.

CO EX ON PR ST

### A Competition process driven growth model for red pine

by S. Magnussen and D.G. Brand. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1989. v, 38 p. : ill. Bibliogr. (Information report ; PI-X-89) ISSN 0706-1854 ISBN 0-662-17013-X  
MICROLOG 90-00224 1 fiche

Description of a simulation model, predicting individual tree growth and mortality using data from a red pine spacing trial. Central elements of the model are changes in relative growth rates as related to changes in tree size, the size of the individual tree relative to the median population size, and the overall stand density. The model parameters are

biologically interpretable as measures of the process of competition. Data from 6 spacings were used to develop the model whereas a different data set from 8 spacings served to validate the model. Inclusion of random but correlated error components provided the basis for stochastic simulations. Based on individual stem volume and stand area at age 10 as input, the model was used to predict trends in tree volume distributions until age 35. A detailed graphical representation of model output (summary statistics of stem volume distributions) is presented and compared with observed data.

• CA FO PS SC

### Competitive location models : a framework and bibliography

by H.A. Eiselt, G. Laporte and J.F. Thisse. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 34 p. (Publication ; no. 706)  
MICROLOG 90-06421 1 fiche

Paper presenting a taxonomy for competitive location models, based on the space, the number of players, the pricing policy, the equilibrium concept of the game and the behaviour of the customers. The components are briefly discussed and based on these, an annotated bibliography comprising more than 100 selected titles follows.

PR QU SC TR

### A Compilation of sediment survey report series abstracts to 1989

compiled by Morley A. Cashman. Ottawa : Environment Canada, Water Resources Branch, Water Survey of Canada, Sediment Survey Section, 1990. iii, 122 p. CSI 22296 039  
MICROLOG 90-06266 2 fiche

Compilation of abstracts or summaries from 80 publications, Sediment Survey report series and manuals from the Water Resources Branch from 1984-89, as well as two unnumbered reports published in 1974 by R. Kellerhals, et al., and 1983 by T.R. Yuzyk. Abstracts or summaries are taken directly from the report and are organized in alphabetical order by author.

• CA NR PS SC

### Compilation of submissions received prior to and during final public hearings held to discuss the Northumberland Strait Crossing Project

Ottawa Environmental Assessment Panel, 1990 3 v  
MICROLOG 90-05929 10 fiche

Three volumes of submissions to the Environmental Assessment Review panel reviewing the Northumberland Strait crossing project (bridge or tunnel from P.E.I. to N.B.). Submissions were received from individuals, MLAs, organizations of fishermen, and others concerned with the effects of a fixed link between the two provinces. The main issues covered were the environmental effects, the effects on the employees working on the ferries, compensation to fishermen for losses incurred during and after construction of the project, and the economic impacts on both provinces.

AP CA SC TR

### Compliance with confidence-building measures : from Helsinki to Stockholm

by M. Holmes. Ottawa : Canadian Institute for International Peace and Security, 1990. 8 p. Bibliogr. (Background paper ; no. 30) *French ed. (Le Respect des mesures...)* : 90-06511/1. ISBN 0-662-17518-2  
MICROLOG 90-03391 1 fiche

This discussion determines what CBMs are, what their purposes are, and how they have



been pursued. It also surveys the records of compliance with the Helsinki and Stockholm Agreements, and illustrates how CBMs have influenced European security in the past fifteen years.

• CA EX

### Les Composantes du plan d'urbanisme : les zones à rénover, à restaurer ou à protéger

Québec (Province). Direction générale de l'urbanisme et de l'aménagement du territoire. Québec : Gouvernement du Québec, Ministère des affaires municipales, 1989. 16 p. : ill. (Aménagement et urbanisme) ISBN 2-550-19724-0

MICROLOG 90-03572 1 fiche

La remise en état de secteurs où le bâti est détérioré ou désaffecté, de même que la conservation des caractères qui confèrent à un secteur une valeur particulière sont des préoccupations de plus en plus intenses dans un nombre croissant de municipalités. Ce document se penche sur la question et examine les composantes du plan d'urbanisme, les zones à rénover, à restaurer ou à protéger.

MU PL PR QU

### The Compressive strength and tumbler tests as criteria of the physical properties of briquets

by R.P. Charbonnier and C.F.J. Rozenhart. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1956. 62 p. : ill. Bibliogr. (Report, FRL 249)

MICROLOG 90-04551 1 fiche

Evaluation of the 2 tests most frequently used in North America for determining certain physical qualities of coal briquets on a comparative basis. The report covers the reliability, precision and accuracy of the Komarek-Greaves compression strength test, gives an evaluation of the ASTM D441-45 tumbler test, then correlates the two.

• CA CM NR PS SC

### Compte rendu de l'Atelier international sur les instruments d'observatoire magnétique

sous la direction de R.L. Coles. Ottawa : Energie, mines et ressources Canada, Commission géologique du Canada, 1988. 96 p. : ill., cartes géogr. Bibliogr. (Etude ; 88-17) (Série géomagnétique ; n° 32) L'Atelier était subventionné par l'Association internationale de géomagnétisme et d'aéronomie. ISSN 0068-7650 ISBN 0-660-92498-6

MICROLOG 90-01163 2 fiche

Le principal objectif de ce document est de mettre à la disposition des lecteurs un environnement adéquat pour des essais de performance et de spécification de magnétomètres et de systèmes d'enregistrement, qu'il s'agisse de nouveaux appareils ou de matériel déjà sur le marché, destinés aux observatoires magnétiques. L'intention est de rassembler ceux qui fabriquent les instruments et ceux qui les utilisent dans l'espoir que les échanges se révèlent fertiles pour tous. Ce document donne le compte rendu de l'atelier international.

### Comptes économiques des revenus et des dépenses, 1989

Québec : Bureau de la statistique du Québec, Statistiques économiques, 1989. 115 p. CSI 67131 008. ISBN 2-551-08495-4

MICROLOG 90-01306 2 fiche

Ce document se penche sur l'économie du Québec en 1987 et 1988. Il présente l'évolution du produit intérieur brut, la production de biens et de services, la

provenance et l'affectation du revenu personnel, et, les recettes et les dépenses du secteur public. De plus, il fournit des renseignements sur les tableaux sommaires et sectoriels; la répartition industrielle du produit intérieur brut, les tableaux supplémentaires sur les administrations publiques; le cadre général des comptes économiques; ainsi que la table de correspondance des tableaux avec ceux des comptes nationaux canadiens.

CO PR QU ST

### Comptes publics de la province du Nouveau-Brunswick, 1988-89

Nouveau-Brunswick. Fredericton : la Province, 1989. 2 v. Bilingue (Public accounts...). CSI 45105 008. ISSN 0382-1277

MICROLOG 90-02395 10 fiche

Le document présente les comptes publics de la province du Nouveau-Brunswick pour l'année 1989. Y sont fournis les états financiers, la dette consolidée et les prêts au compte de capital; les états supplémentaires; l'état du fonds d'amortissement; les états des fonds en fiducie; les valeurs détenues; et, les recettes et dépenses par ministère.

AP CO PA PR

### Comptes publics, 1987-88

Québec (Province). Ministère des finances. Québec : le Ministère, 1989. 3 v. Contient: Vol. 1 : Etats financiers du gouvernement du Québec -- vol. 2 : Détail des revenus, crédits et dépenses du gouvernement du Québec -- vol. 3 : Etats financiers des fonds spéciaux et des fonds renouvelables du gouvernement du Québec. CSI 66120 005. ISSN 0706-2869 ISBN 2-550-19032-7

MICROLOG 90-06161 8 fiche

Ce document porte principalement sur trois points importants: le Volume 1 présente les Etats financiers du gouvernement du Québec de l'année terminée le 31 mars 1988 comprenant un état de l'Emploi des crédits; le Volume 2 présente le Détail des revenus, crédits et dépenses sous les deux premières sections et la liste des biens en capital sous la troisième; et le Volume 3 présente les états financiers des fonds spéciaux et des fonds renouvelables qu'administre le gouvernement accompagnés chacun du Rapport du Vérificateur général sur ces états.

CO PA PR QU

### Comptes publics, 1988-89

Québec (Province). Ministère des finances. Québec : le Ministère, 1989. 3 v. Contient: Vol. 1 : Etats financiers du gouvernement du Québec -- vol. 2 : Détail des revenus, crédits et dépenses du gouvernement du Québec -- vol. 3 : Etats financiers des fonds spéciaux et des fonds renouvelables du gouvernement du Québec. CSI 66120 005. ISSN 0706-2869 ISBN 2-550-19898-0

MICROLOG 90-04244 9 fiche

Les Comptes publics du gouvernement du Québec de l'année financière terminée le 31 mars 1989 ont été préparés selon les dispositions de la section VIII de la Loi sur l'administration financière. Il sont publiés en trois volumes: le volume 1 présente, au début, les Etats financiers du gouvernement du Québec de l'année terminée le 31 mars 1989. Ces états sont accompagnés du Rapport du Vérificateur général et, dans les pages qui suivent, paraissent également sous un titre séparé, les observations de ce dernier sur ces états. Le volume 2 présente le Détail des revenus, crédits et dépenses sous les deux premières sections et la liste des biens en capital sous la troisième. Le volume 3 présente les Etats financiers des fonds spéciaux et des fonds renouvelables qu'administre le Gouvernement accompagnés chacun du Rapport du Vérificateur général sur ces états.

CO PA PR QU

### Computation and interpretation of biological statistics of fish populations

by W.E. Ricker. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Pacific Biological Station, 1975. xviii, 382 p. : ill. Bibliogr. (Canadian bulletin of fisheries and aquatic sciences ; no. 191) ISSN 0706-6503 ISBN 0-662-01440-5

MICROLOG 90-01936 5 fiche

Report on the general field of biological statistics of fish populations. The report covers the abundance of the population, usually somewhat restricted as to age or size; the total mortality rate at successive ages or even within each year the fraction of the total mortality ascribable to each of several causes, such as deaths by fishing, deaths by predation other than human, and deaths from disease, parasites or senility, the rate of growth of the individual fish, the rate of reproduction, particularly as it is related to stock density, and the overall rate of surplus production of a stock which is the resultant of growth plus recruitment less natural mortality.

• CA CF FI LS SC

### A Computational analysis of alternative scenarios for multilateral trade liberalization

by A.V. Deardorff and R.M. Stern. Ottawa : Economic Council of Canada, 1989. vii, 271 p. : ill. Bibliogr. (Discussion paper ; no. 363) ISSN 0225-8013

MICROLOG 90-00967 3 fiche (Available on fiche only)

The paper examines the potential effects of different negotiating options aimed at liberalizing world trade under the current Uruguay Round of multilateral trade negotiations. By using a multi-country and multi-sectoral model -- the Michigan Model of World Production and Trade -- the authors of this discussion paper measure the effects of removing tariffs and non-tariff barriers on exports, imports, domestic prices and employment, by country. It also analyzes employment effects and their adjustment implications.

CA CO EX

### Computational experiments with exchange procedures for the multiple traveling salesman problem with time windows

by J.-Y. Potvin and J.-M. Rousseau. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 15 p. : ill. Bibliogr. (Publication ; no. 695)

MICROLOG 90-06643 1 fiche

Routing and scheduling problems are a very important part of any distribution system and those with time windows must be addressed with the additional complexity of allowable delivery times or time windows at each customer. This paper is mainly concerned with problems where the capacity constraint is replaced by a scheduling horizon. The paper introduces general considerations about iterative route improvement procedures; explains why classical K-opt exchange procedures are not well adapted to problems with time windows and explains how to modify the 2-opt procedure in order to get the so-called 2-opt procedure; briefly describes the OR-opt and OR-opt-1 exchange procedures; suggests a hybrid OR-opt and 2-opt approach, and reports computational results on a set of randomly generated problems with tight and large windows.

PR PS QU SC TR

### Computer analysis of the factors influencing groundwater flow and mass transport in a system disturbed by strip mining

by F.W. Schwartz and A.S. Crowe ; under contract to Alberta Research Council ; for



the Plains Coal Reclamation Research Program. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, 1988. xxvii, 78 p. : ill. Bibliogr. (Report : RRTAC 88-9)  
MICROLOG 90-02885 2 fiche

Study demonstrating how a groundwater flow model can be used to study a variety of mining-related problems. At the regional scale, where the area of the mine is relatively small in relation to the size of the flow domain, the model illustrates the role of various hydrogeological parameters that influence the magnitude, timing and extent of water level changes during and following mining. At the mine-scale, where the mine becomes a significant component of the total setting, the objective is to look at the spoil resaturation process with emphasis on the controls exerted by hydraulic conductivity and recharge rates. The smallest scale comprises the individual hills that are formed in spoil during reclamation. The sensitivity analysis carried out at this scale shows how hydraulic conductivity of the spoil, recharge rates and the presence of drains together with hill morphology control the steady state configuration of the water table.  
AL EV NR PR SC

#### Computer programs for calculating in situ phytoplankton photosynthesis

by E.J. Fee. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. v, 27 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1740)  
*This is the 26th technical report from the Central and Arctic Region, Winnipeg.* ISSN 0706-6457  
MICROLOG 90-06735 1 fiche

This report describes computer programs used to estimate in situ phytoplankton photosynthesis and mean PAR in the water columns of lakes and oceans. The versions described incorporate estimations of daily and annual photosynthesis rates; cloudless solar PAR; separate estimates of photosynthesis in the mixed layer and below the thermocline; daily mean PAR in the mixed layer and below the thermocline; and the total mass of carbon fixed in the waterbody. The report describes FITSOLAR, PSPARMS, YPHOTO, YTOTAL, DPHOTO, and DTOTAL. The programs are written in Turbo Pascal and run on IBM compatible personal computers controlled by the DOS operating system. The theory of the programs is presented in detail along with instructions for use. Example data sets and resulting output are shown for each of the programs.  
• CA CF NR PS SC

#### Computer programs for investigating the effects of environmental events on a time series of recruitment

by J.M. Hoenig, M.H. Prager and N.B. Payton. St. John's : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1989. v, 43 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1713)  
ISSN 0706-6457  
MICROLOG 90-04324 1 fiche

Praeger and Hoenig (in press) used a randomization procedure to test the significance of discrete environmental events, such as el Niño-Southern Oscillation events, on a time series of recruitment. Their procedure implicitly accounted for autocorrelation and other problems frequently encountered when trying to use a parametric testing procedure. In a follow-up paper, they investigated the power of several randomization tests and compared them to parametric alternatives. This report presents the 2 Fortran computer programs used in these studies.  
• CA CF EV FI PS SC

#### Computer simulation : suitability of N.S. coals as feedstocks for BGC/Lurgi, DOW, KRW, Texaco, and Shell gasifiers

Cape Breton Development Corporation (Canada). Sydney, N.S. : The Corporation, 1989. v, 97 p. : ill. Bibliogr. CANMET contract: 89165-01-SQ  
MICROLOG 90-02535 2 fiche

Coal analyses for 3 Sydney coals (Prince Mine, Hub seam; Donkin Tunnel, Harbour seam; Victoria Junction mix, Phalen seam, Harbour seam) were supplied to M.W. Kellogg Co. of Houston, DOW Chemical USA of Houston, British Gas Co. of London, Texaco of California, and Shell International in the Netherlands, each of whom are developers of gasification processes. Each process developer utilized in-house proprietary computer software to model the performance of the coals in a process simulation of their particular system design. Only the gasifiers were included in the flow sheets for British Gas/Lurgi, Texaco and Shell. The performance of gas turbine units in an IGCC power plant configuration were included in the models of M.W. Kellogg Co. and DOW Chemicals.  
• AP CA CM EN PS SC

#### Computer/communications technology in society : signposts for education

Toronto : Ministry of Education, 1986. iii, 27 p.  
MICROLOG 90-01921 1 fiche

Discussion paper summarizing the ideas and opinions of Canadians in various walks of life on the impact of computer communications technologies on how we live and learn. The paper discusses the rapid expansion of knowledge and the increasingly urgent need to understand the effects of these technologies and to manage them properly; improvements and applications over both the short- and long-term; the general implications for society; the impact of the technology on specific aspects of life and society, including the economy, the workplace, publishing and the arts, the broadcast industry and physical and life sciences, implications for the individual and for education, the school and the learner; and factors affecting the integration of computer technology into the teaching-learning process.  
CI ED ON PR PS SC

#### Computers in daily life : Canadians' behavior and attitudes regarding computer technology

by L. Deschênes. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1988. iv, 30 p. : ill. French ed. (L'Informatisation au quotidien...) : 90-02845/1 ISBN 0-662-16593-4  
MICROLOG 90-00685 1 fiche

Report of a survey on the behaviour and attitudes of Canadians regarding computer technology and its use in both the workplace and the home. The report includes a user profile, methods of learning, user's attitudes, the views of users and non-users, the use of computers at work and at home, the opinions of labour force participants and of people in general, and the use of other new technologies. A methodology is also included.  
• CA PS SC TE

#### Computers in Kenya's secondary schools : case study of an innovation in education

by B.M. Makau. Ottawa : International Development Research Centre, 1989. xii, 233 p. Bibliogr. (Manuscript report ; 251e)  
MICROLOG 90-03202 3 fiche (Available on fiche only)

This publication discusses the context in which computers are being introduced into schools; inputs into the innovation; staff and student

uses of the technology; barriers to the use of the technology by school staff and students; and the monetary costs of the project. It also summarizes the findings of the study and uses them as the basis for making policy and planning recommendations.  
CA ED EX

#### Conawapa project : environmental impact assessment : preliminary workplan

Winnipeg : Manitoba Hydro ; I.D. Systems Ltd., 1989. 43 p. : ill., maps.  
MICROLOG 90-02356 1 fiche

Current forecasts indicate the Manitoba Hydro System will require additional energy sources by 1999. Several supply alternatives, including new generation, diversity exchanges, life extension of thermal plants and demand management are being evaluated. One option is construction of a hydro-electric generating station on the Nelson River at the Conawapa site. The environmental impact assessment (EIA) work plan presented in this document describes the schedule for and extent of EIA programs developed in the context of the current project plans. This EIA work plan covers background, objectives and scope of the Conawapa EIA program; environmental regulatory processes which related to the Conawapa project, a description of the Conawapa project including exploration, construction and operation activities, proposed Conawapa EIA program including discipline activities, review and approval schedules, and public participation activities.  
EN EV MS PR SC

#### Concept refinement and feasibility study for the New Brunswick Botanical Garden : final report

prepared by the DPA Group Inc. and Fleisher Ridout Partnership Inc. Fredericton : Dept. of Tourism, Recreation and Heritage, 1988. vi, 78 p. : ill.  
MICROLOG 90-01782 1 fiche

This report presents the findings and conclusions of a study related to the market assessment and financial analysis for a proposed botanical garden in Saint-Jacques. It includes a financial analysis.  
AP CU PR

#### La Conception des tâches : son effet sur l'hygiène et la sécurité au travail

par I. Stones. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. ii, 12 p. : ill. Bibliogr. ISBN 0-660-92657-1  
MICROLOG 90-03620 1 fiche

Ce document contient de nombreuses propositions à l'intention des comités d'hygiène et de sécurité au travail qui s'intéressent à la bonne conception des tâches. Il s'agit de combiner efficacement la conception des tâches et la conception du poste de travail pour assurer la santé et la sécurité des travailleurs. Il examine particulièrement les problèmes de santé et de sécurité; les caractéristiques et la marche à suivre d'une bonne conception des tâches; la conception du poste de travail; les étapes d'un projet de conception des tâches; et la conclusion.  
HE LA PR QU

#### A Conceptual model of spruce beetle population dynamics

by L. Safranyik, C. Simmons and H.J. Barclay. Victoria : Forestry Canada, Pacific and Yukon Region, Pacific Forestry Centre, 1990. v, 13 p. : ill. Bibliogr. (Information report ; BC-X-316) ISSN 0830-0453 ISBN 0-662-17461-5  
MICROLOG 90-05787 1 fiche

In B.C., the spruce beetle is the most destructive pest of mature spruce forests. In 1972, a multidisciplinary research project was begun to discover, develop and promote



principles, techniques, and management guidelines to reduce losses from wood-boring and phloem-feeding insects. A theoretical model of spruce beetle dynamics was built which allows an evaluation of the relative effects of a number of biological factors, including tree and stand factors, climatic variables, and management practices on spruce beetle populations and damage levels. This report describes model development and structure, and evaluates the performance of the model.

• BC CA FO SC

### Conditional approval uses in new industrial zoning : reports to council

Vancouver, B.C. : Vancouver Planning Dept., 1987. 17 p.

MICROLOG 90-03102 1 fiche

The purpose of this report is to report back on conditional approval uses proposed in the new industrial zoning schedules. The Finance and Priorities Committee raised several questions and concerns about the number and nature of these uses. This report clarifies proposed conditional uses and identifies some modifications that respond to Committee concerns.

BC MU PL

### Les Conditions du développement technologique de l'entreprise en région : actes du colloque

Conditions du développement technologique de l'entreprise en région (1988 : Sainte-Foy, Québec). Sainte-Foy, Québec : Gouvernement du Québec, Conseil de la science et de la technologie, 1989. 183 p. : ill., cartes géogr. Bibliogr. (Document ; no 89.01) ISBN 2-550-19417-9

MICROLOG 90-03631 2 fiche

Ce document présente, dans un premier temps, la répartition régionale des activités économiques du Québec afin de rappeler la diversité ainsi que les disparités entre les régions économiques. Ensuite, il examine le niveau de développement et d'adaptation technologique du Québec. Enfin, il décrit l'infrastructure qui supporte le développement technologique au Québec, c'est-à-dire l'ensemble des programmes et organismes d'aide au développement technologique qu'ont mis en place, au cours des ans, les gouvernements québécois et canadien.

CO PR QU SC

### Cone and Insects Working Party Conference : proceedings

compiled by Gordon E. Miller. Victoria : Forestry Canada, Pacific Forestry Centre, 1989. vii, 242 p. : ill., maps. Bibliogr. MICROLOG 90-02607 3 fiche

Proceedings of the conference, covering identification and distribution, biology, monitoring and damage, and control of cone and seed insects. Contains 25 papers presented in four technical sessions on cone and seed insect identification and distribution, biology, monitoring and damage, and control.

BC CA FO SC

### Cone and Seed Pest Workshop : proceedings

edited by R.J. West. St. John's : Canadian Forestry Service, Newfoundland Forestry Centre, 1990. ii, 128 p. : ill. Bibliogr. (Information report ; N-X-274) ISSN 0704-7657 ISBN 0-662-17587-5

MICROLOG 90-04478 2 fiche

Proceedings from the cone and seed pest workshop held in October 1989 in association with the annual meeting of the Entomological Society of Canada. Coverage included key insect and disease pests, insect control by semiochemicals, problems in sampling and damage assessment, clonal variation and damage susceptibility, seed orchard design to minimize losses to pests, and squirrel damage

and management.

• AP CA FO SC

### Confection d'itinéraires pour le transport adapté

par Y. Dumas. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. xx, 179 p. : ill. Bibliogr. (Publication ; no. 671)

MICROLOG 90-03009 3 fiche

Cette thèse présente un ensemble d'algorithmes permettant de confectionner les itinéraires et l'horaire de véhicules en vue du transport de personnes handicapées. Le problème à résoudre est celui de satisfaire, aux moindres coûts, un ensemble de requêtes de déplacement dont chacune d'elle exige l'embarquement à un lieu spécifique et le débarquement à un autre lieu spécifique. Le scénario d'opération suppose, les requêtes connues à l'avance; un service porte à porte, des fenêtres de temps pour les embarquements et les débarquements afin d'assurer un niveau de service acceptable; des requêtes pouvant consommer des ressources différentes (exigeant ainsi des véhicules des capacités multidimensionnelles) et finalement des véhicules de caractéristiques différentes.

PR QU SC TR

### Conférence annuelle des perspectives agricoles québécoises

Conférence des perspectives agricoles québécoises (1re : 1989 : Saint-Hyacinthe, Québec). Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, Conseil en économie et en gestion agricoles du Québec, 1989. 333 p. : ill. En tête du titre: *Cahier de conférences*. ISBN 2-551-12130-2

MICROLOG 90-02068 4 fiche

Cet événement, qui va se répéter à tous les ans, permet de faire le point sur l'état de l'agriculture et de voir ce qui s'en vient dans chacun des domaines d'intervention privilégiés. Le document porte sur les points suivants: les tendances et les perspectives économiques générales; l'impasse agricole de l'ouest canadien; le défi de la diversification de l'agriculture de l'ouest (les options envisagées par l'Etat et, les implications pour le Québec); le défi des années 1990 pour l'agriculture; les perspectives céréalières pour 1989; la situation du marché des céréales pour la consommation humaine; les perspectives économiques du marché nord-américain du porc; les viandes rouges, l'agneau, l'évolution de l'offre et de la demande de fruits et de légumes; l'horticulture ornementale; les perspectives serres pour le Québec en 1989, le marché et la commercialisation des produits biologiques; la réglementation sur les produits biologiques; l'impact de la gestion de l'offre sur l'industrie de la transformation au Québec, les tendances structurelles de l'industrie laitière mondiale, et, la conjoncture des marchés internationaux.

AG PR QU SC

### Conférence fédérale-provinciale/territoriale sur la faune : compte rendu, 1989

Conférence fédérale-provinciale/territoriale sur la faune (53e : 1989 : Saint-Jean, T.-N.). Ottawa : Environnement Canada, Service canadien de la faune, 1989. 173 p. ISSN 0701-7960 ISBN 0-662-95696-6

MICROLOG 90-06826 2 fiche

Document présentant les faits saillants de la 53e conférence fédérale-provinciale/territoriale sur la faune qui s'est tenue à Saint-Jean, Terre-Neuve, du 20 au 23 juin 1989. Cette conférence est une tribune qui permet aux organismes gouvernementaux et non gouvernementaux qui s'intéressent à la faune de discuter de leurs problèmes et de leurs préoccupations mutuels. Les faits saillants y sont d'abord présentés, suivis des points

suivants: les objectifs de la Conférence; le discours-thème, le groupe de discussion sur la gestion intégrée des terres publiques; les lignes directrices pour l'élaboration d'une politique de la faune au Canada; le rapport sur les recommandations présentées à la réunion des directeurs canadiens de la faune, le 18 juin 1989, les participants à la 53e conférence fédérale-provinciale/territoriale sur la faune; et, le résumé de la conférence.

CA EV NP SC

### Conférence nationale 1988 sur les arts populaires : les actes du colloque

Conférence nationale 1988 sur les arts populaires (1988 : Winnipeg, Man.). Ottawa : Conférence canadienne des arts : Multiculturalisme et citoyenneté Canada, 1988. i, 203 p. : ill. *L'édition anglaise (1988 National Folk...) sur la même fiche*. ISBN 0-662-57228-9

MICROLOG 90-07019 5 fiche

C'est à Winnipeg, en juillet 1987, que le Secrétaire d'Etat et ministre chargé du Multiculturalisme, l'honorable David Crombie, a annoncé la tenue d'une conférence nationale sur les arts populaires organisée par la Conférence canadienne des arts (CCA). Le mandat de cette conférence était le suivant: examiner les réalisations du milieu des arts populaires au Canada; explorer les questions qui s'y posent actuellement; discuter des orientations futures; et, cerner les occasions pour le gouvernement fédéral et ses organismes nationaux d'en favoriser le développement. Ce document présente le résumé et les points saillants de cette conférence.

CA CU

### Conference on the Multicultural Community and Crime Prevention in Manitoba : proceedings

prepared by Lana Maloney ; under contract with the Manitoba Police Commission. Winnipeg : Manitoba Police Commission, 1990. 37 p.

MICROLOG 90-05075 1 fiche

This document contains a transcript of the conference including introductory remarks, and a discussion of the role of the RCMP, and the role of the Winnipeg police department. It also includes comments, questions, and answers from the floor.

CU JU MS PR

### Conférences intergouvernementales desservies par le SCIC : liste par sujet : vol. IV, 1988-89

Secrétariat des conférences intergouvernementales canadiennes. Ottawa : le Secrétaire, 1989. 17, 16 p. *Bilingue (Intergovernmental conferences...)* CSI 22198 002

MICROLOG 90-02950 1 fiche

Cette liste de conférences intergouvernementales canadiennes englobe les réunions fédérales-provinciales et interprovinciales convoquées respectivement par les gouvernements fédéral et provinciaux, et auxquelles le Secrétaire des conférences intergouvernementales canadiennes (SCIC) a fourni des services au cours de la période visée. Les conférences pour lesquelles il existe de la documentation qui peut être consultée aux bibliothèques canadiennes dépositaires des documents du SCIC sont signalées par un astérisque.

• CA PA

### Conifer susceptibility to glyphosate in Nova Scotia

Truro, N.S. Dept. of Lands and Forests, 1989. 6 p. : ill. Bibliogr. (Forest research report ; no. 10)

MICROLOG 90-02219 1 fiche



Vision is currently registered in Canada for both site preparation and conifer release. Ideally, herbicides used to release planted seedlings or natural regeneration from competing weed species should not impair the growth of crop trees. However, conifer seedlings can be susceptible to herbicide damage depending on when the herbicide is applied and the rate of application. This report summarizes the result of experimental trials established during 1985 to determine the susceptibility of black spruce, red pine, red spruce, and balsam fir to injury by Vision. AP FO PR SC

### Connaissance de l'écriture et droit de savoir : atelier

Connaissance de l'écriture et droit de savoir (1989 : Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. 32 p. ISBN 0-660-92682-2 MICROLOG 90-02186 1 fiche

Les stratégies en matière d'hygiène et de sécurité au travail se fondent de plus en plus sur le droit de savoir. Mais qu'arrive-t-il si l'analphabétisme ou d'autres difficultés linguistiques empêchent un travailleur d'assimiler l'information sur les dangers reliés au travail? C'est sur cette question et sur d'autres sujets connexes que se penche ce document.

• CA ED LA SA

### Connaught Township

compiled by the Staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 32 p. : fold. map. (Geological data inventory folio ; GDIF 501) MICROLOG 90-04118 1 fiche

Geological data inventory for Connaught Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences by location, type of exploration by company, drillhole summary by company, results of an airborne geophysical survey and a geochemical survey, newspaper clippings and results of an ODM general index search, and selected references. NR ON PR PS SC

### Conseil canadien de la recherche sur l'évaluation environnementale : Rapport annuel 1987-88

Hull, Québec : le Conseil, 1988. 19, 16 p. Bibliogr. Bilingue. CSI 22225.001. MICROLOG 90-03355 1 fiche

Document présentant le rapport annuel du Conseil canadien de la recherche sur l'évaluation environnementale pour l'année 1987-88. Il vise à encourager la recherche sur les thèmes associés à l'évaluation des impacts environnementaux et, plus généralement, sur les contextes de planification environnementale et de gestion des ressources dans lesquels sont entreprises des activités d'évaluation; il propose des moyens d'améliorer, aux plans scientifiques, techniques et procéduraux, les principes fondamentaux de l'évaluation des impacts environnementaux. Le document fournit des renseignements sur le fonctionnement du Conseil; les travaux de recherche; et, les nouvelles initiatives.

• CA EV SC

### Conseil canadien des ministres de l'environnement : Rapport annuel 1988-89

Downsview, Ont. : le Conseil, 1989. 13, 15 p. : ill. Bilingue. CSI 32128.001. ISBN 0-919074-02-2 MICROLOG 90-02582 1 fiche

Ce document présente le Rapport annuel du Conseil canadien des ministres de l'environnement pour l'année 1988-89. Il donne un aperçu du CCME (historique du Conseil,

objectifs du Conseil et organisation et communications dans le Conseil); les points saillants des réalisations des comités en 1988-89; et, le Rapport des vérificateurs. • CA EV SC

### Conseil canadien des ministres des ressources et de l'environnement : Rapport annuel 1987-88

Ottawa : le Conseil, 1988. 12, 11 p. Bilingue. CSI 32128.001. MICROLOG 90-00515 1 fiche

Le rapport annuel 1987-1988 du Conseil canadien des ministres des ressources et de l'environnement (CCMRE) porte sur l'assemblée générale annuelle de 1987 qui s'est tenue à Québec les 23 et 24 septembre. On y souligne entre autre le travail continu des groupes et des comités scientifiques du Conseil. CA EV NR SC

### Conseil consultatif canadien de l'emploi et de l'immigration : Revue annuelle 1988

Ottawa : le Conseil, 1989. xi, 18, xi, 18 p. ill. Bilingue. CSI 22112.001. ISBN 0-662-56959-8 MICROLOG 90-00748 1 fiche

Ce document présente le rapport du directeur exécutif, les activités du Conseil en 1988, les études du Conseil, les collectivités mono-industrielles au Canada, un rapport sur Terre-Neuve, le développement des entreprises, les regards sur l'immigration au Canada, l'orientation future, les rapports déjà publiés par le CCEI et les frais de fonctionnement en 1988. CA EX LA

### Conseil consultatif canadien sur la situation de la femme : Rapport annuel 1988-89

Ottawa : le Conseil, 1989. 35, 31 p. : ill. Bibliogr. Bilingue. CSI 22306.001. MICROLOG 90-06598 1 fiche

Ce document présente le rapport des activités du Conseil consultatif canadien sur la situation de la femme pour l'exercice financier 1988-89. Il décrit les réalisations des membres du conseil, de son personnel et de ses collaborateurs et collaboratrices, et traduit le point de vue de personnes rencontrées aux quatre coins du pays, ou qui écrivent leurs commentaires. Il se penche particulièrement sur: l'historique, le mandat, la composition et le rôle du Conseil; les recommandations; le suivi des dossiers; les publications; les réunions et rencontres; les services opérationnels du conseil; et, les états financiers. CA JU PA SA

### Conseil consultatif de l'Ontario pour les personnes handicapées : Rapport annuel 1988-89

Toronto : le Conseil, 1989. 29, 29 p. : ill. Bilingue. CSI 56230.001. ISSN 0840-8777 MICROLOG 90-03474 1 fiche

Document présentant le quatorzième rapport annuel du Conseil consultatif de l'Ontario pour les personnes handicapées. Il se penche particulièrement sur la constitution et le mandat du Conseil; les membres du Conseil, les principales questions et réalisations en ce qui a trait à l'emploi, à la vie autonome, au transport, au programme d'appareils et accessoires fonctionnels, aux questions d'ordre général, aux communications, aux autres activités, à la mise à jour et aux rapports publiés en 1988-89. ON PR SA

### Conseil consultatif de l'Ontario sur l'âge d'or : Rapport annuel 1988-89

Toronto : le Conseil, 1989. 34, 32 p. : ill. Bilingue. CSI 56108.001. ISSN 0704-2663 MICROLOG 90-03475 1 fiche

Présente le rapport annuel du Conseil consultatif de l'Ontario sur l'âge d'or pour l'exercice de douze mois terminé le 31 mars 1989. On y aborde particulièrement la composition du conseil, les activités principales (vieiller ensemble, le transport, le logement, la santé, les programmes de services intégrés, le programme de services intégrés d'aides familiales et les droits des grands-parents). ON PR SA

### Conseil consultatif de l'Ontario sur la condition féminine : Rapport annuel 1987-88

Toronto : le Conseil, 1988. 12, 12 p. : ill. Bilingue. CSI 56227.001. MICROLOG 90-00558 1 fiche

Rapport présentant le mandat du Conseil consultatif de l'Ontario sur la condition féminine se définissant comme suit: évaluer les lois, politiques et programmes relatifs aux besoins des femmes et en surveiller l'application, identifier les questions particulières qui nécessitent l'attention du gouvernement et recommander des modifications aux lois et programmes actuels, tenir de consultations avec des groupes ainsi que des réunions publiques dans le but de favoriser la discussion publique dans les diverses régions de l'Ontario, et répondre aux demandes de renseignements et de conseils du ministre délégué à la Condition féminine sur toute question se rapportant aux femmes. ON PR SA

### Conseil consultatif de l'Ontario sur la condition féminine : Rapport annuel 1988-89

Toronto : le Conseil, 1989. 12, 12 p. : ill. Bilingue. CSI 56227.001. ISSN 0830-9442 MICROLOG 90-04359 1 fiche

Le Conseil consultatif sur la condition féminine a pour mandat de conseiller le gouvernement de l'Ontario sur toute question touchant au statut de la femme. Ce rapport annuel fait état des activités du Conseil pour l'année terminée le 31 mars 1989. On y retrouve un rappel des réunions, un sommaire de la conférence sur la maternité, un aperçu de la participation au processus politique, un résumé des consultations auprès du gouvernement et la liste des particuliers et groupes ayant rencontré le conseil. ON PR SA

### Conseil consultatif de la recherche forestière du Canada : Rapport annuel 1988

Ottawa : Forêts Canada, 1989. 9, 8 p. Bilingue. CSI 22189.002. ISSN 0844-9007 ISBN 0-662-56869-9 MICROLOG 90-02134 1 fiche

Le Conseil consultatif de la recherche forestière du Canada (CCRFC) a été créé en 1983 pour conseiller Forêts Canada au niveau national, sur les priorités et les politiques concernant la recherche forestière. En 1987, son rôle a été élargi pour inclure la rédaction annuelle d'un aperçu national des priorités et des sujets de préoccupation concernant la recherche à l'intention du Conseil canadien des ministres des Forêts (CCMF). Ce rapport porte sur l'année civile 1988. Durant cette année, le Conseil a tenu trois réunions et a fourni des commentaires et des conseils au sous-ministre de Forêts Canada au sujet de plusieurs questions relées à la recherche. Ces commentaires sont intégrés dans les recommandations de ce rapport. CA FO SC



### Conseil consultatif des relations civiques et multiculturelles de l'Ontario : Rapport annuel 1988-89

Toronto : le Conseil, 1989. 10, 10 p.  
Bilingue. CSI 56107.001. ISSN 0710-8990  
MICROLOG 90-03476 1 fiche

Le multiculturalisme n'est pas un simple reflet de la réalité démographique, mais plutôt un principe directeur intervenant dans la définition de la qualité de la vie et de la société canadienne. Le concept du multiculturalisme et sa mise en œuvre doivent se développer et s'adapter parallèlement au Canada dans le contexte d'un monde en perpétuel changement. Ce rapport souligne les initiatives du Conseil axées sur la question du multiculturalisme en Ontario et le développement des affaires civiques au Canada.  
CU ON PR

### Conseil consultatif sur la gestion des rives de l'Ontario : Rapport annuel 1988-89

Toronto : le Conseil, 1989. 53, 39 p.  
Bilingue. CSI 56284.001. ISSN 0844-7217  
MICROLOG 90-05099 2 fiche

Ce rapport rend compte des activités et des opinions du conseil consultatif sur la gestion des rives pour l'année 1988, sa deuxième année d'existence. Le Conseil a été constitué en avril 1987 par le gouvernement provincial aux termes de la Loi sur le ministère des Richesses naturelles dans le but de conseiller le ministre des Richesses naturelles sur les questions ayant trait à la gestion des rives du bassin des Grands Lacs  
EV ON PR SC

### Conseil consultatif sur les pêches de l'Ontario : Rapport annuel 1988-89

Toronto : le Conseil, 1989. 9, 9 p. Bilingue.  
CSI 56181.001 ISSN 0840-7495  
MICROLOG 90-03350 1 fiche

Ce document présente le deuxième rapport annuel du Conseil consultatif sur les pêches de l'Ontario. Il renseigne sur les permis de pêche sportive de résidents, les recettes provenant des PPSR, l'utilisation des recettes de la vente des PPSR; l'examen des projets financés par les PPSR; l'utilisation des prises accidentelles; le Comité du format des permis; l'évaluation des Grands Lacs; l'expansion des possibilités de pêche; les conseils consultatifs locaux sur les pêches, l'interaction entre les permis de camping sur les terres de la Couronne et la pêche à la ligne; la station piscicole de Sault Sainte-Marie, et, les terres de la Couronne comme outil d'aménagement.  
FI ON PR SC

### Conseil de la jeunesse du Nouveau-Brunswick : Rapport annuel 1988-89

Fredericton : le Conseil, 1989. 34, 33 p.  
Bibliogr. Bilingue. CSI 46151.001.  
MICROLOG 90-01211 1 fiche

Le Conseil de la jeunesse du Nouveau-Brunswick est un organisme consultatif qui a pour mandat d'effectuer des consultations et des recherches, et de conseiller le gouvernement et le public sur les problèmes des jeunes du Nouveau-Brunswick. Ce document présente le rapport annuel du Conseil et fournit les états financiers.  
AP PR SA

### Conseil de la radiodiffusion et des télécommunications canadiennes : Rapport annuel 1988-89

Ottawa : le Conseil, 1989. 67, 67 p. : ill.  
Bilingue. CSI 22205.001 ISBN 0-662-56675-0  
MICROLOG 90-00741 2 fiche

Ce document présente le rapport annuel du Conseil de la radiodiffusion et des télécommunications canadiennes pour l'année

financière qui a pris fin le 31 mars 1989. Il aborde les domaines suivants: le madat, le Conseil, la participation du public, la radiodiffusion, les télécommunications ainsi que les litiges.  
CA CO ST TE

### Conseil de la santé et des services sociaux de la Montérégie : Rapport annuel 1988-89

Québec : le Conseil, 1989. 63 p. : ill.  
CSI 67221.001. ISBN 2-89342-010-9  
MICROLOG 90-05097 1 fiche

Le rapport annuel du CRSSS de la Montérégie présente les activités des directions en 1988-89 et les états financiers. On retrouve aussi des renseignements sur la région desservie, le conseil d'administration, le personnel et les structures participatives.  
HE MU PR QU SA

### Conseil de la santé et des services sociaux de la région de Montréal métropolitain (Québec) : Rapport des activités 1988-89

Montréal : le Conseil, 1989. 32 p. : ill.  
Bibliogr. CSI 67222.001  
MICROLOG 90-06568 1 fiche

Le Conseil régional est un organisme parapublic qui coordonne et met en rapport la population, les établissements et le ministère de la Santé et des Services sociaux. Ce rapport dresse un portrait des principales activités des différentes directions du conseil pour l'année. On y aborde particulièrement le dossier des urgences. Le document contient aussi des informations sur les établissements de la région, les prix Persillier-Lachapelle et les principales communautés culturelles.  
HE MU SA ST

### Conseil de la santé et des services sociaux de la région de Montréal métropolitain (Québec) : Rapport financier annuel : année financière terminée le 31 mars 1989

Québec : Gouvernement du Québec, Ministère de la santé et des services sociaux, 1989.  
89 p. CSI 67222.002.  
MICROLOG 90-06559 1 fiche

Ce rapport financier annuel présente fidèlement la situation financière du Conseil régional au 31 mars 1989. Les données financières sont ventilées pour tenir compte des différents fonds gérés par le Conseil: fonds d'exploitation, fonds des Urgences-Santé, fonds des activités autofinancées, fonds des immobilisations, fonds des services en CLSC, fonds des équipements, etc.  
HE MU PR QU SA

### Conseil de la santé et des services sociaux de Lanaudière et des Laurentides (Québec) : Rapport annuel 1988-89 : préparer l'avenir

Saint-Jérôme, Québec : le Conseil, 1989.  
24 p. : ill. CSI 67258.001. ISBN 2-920261-19-3  
MICROLOG 90-05125 1 fiche

Ce document porte principalement sur les points suivants: la participation de la population et la protection des droits des usagers; la programmation des services de santé et des services sociaux; la coordination et la concentration régionale; l'allocation des budgets aux établissements et aux organismes communautaires; l'évaluation de la performance et le contrôle budgétaire; et, l'ajustement interne.  
HE MU PR QU SA

### Conseil de la science et de la technologie (Québec) : Rapport annuel 1986-87

Québec : le Conseil, 1988. 34 p.

CSI 67256.001 ISSN 0826-8436 ISBN 2-551-08418-0  
MICROLOG 90-01005 1 fiche

Le Conseil a pour fonction de conseiller le ministre de la Science et de la Technologie sur toute question relative à l'ensemble du développement scientifique et technologique du Québec. A cette fin, ce document examine les points suivants: les activités du Conseil, les comités du Conseil, les avis et publications en 1986-87, et les ressources du Conseil.  
PR PS QU SC

### Conseil de la science et de la technologie (Québec) : Rapport annuel 1987-88

Québec : le Conseil, 1989. 36 p.  
CSI 67256.001. ISSN 0826-8436 ISBN 2-551-08353-2  
MICROLOG 90-01655 1 fiche

Le Conseil de la science et de la technologie du Québec a été officiellement institué le 17 août 1983. Il a pour fonction de conseiller le ministre de la Science et de la Technologie sur toute question relative à l'ensemble du développement scientifique et technologique du Québec. Ce document en présente le rapport annuel.  
PR PS QU SC

### Conseil de la science et de la technologie (Québec) : Rapport annuel 1988-89

Québec : le Conseil, 1989. 30 p. Bibliogr.  
CSI 67256.001 ISSN 0826-8436 ISBN 2-551-08470-9  
MICROLOG 90-03885 1 fiche

Ce document présente le rapport annuel du Conseil de la science et de la technologie pour l'exercice financier 1988-1989. Il porte sur le rôle et les membres du Conseil; les séances et bilans scientifiques régionaux des activités du Conseil; les avis et les publications du Conseil en 1988-1989; les ressources du Conseil; et les annexes.  
PR QU SC

### Conseil de recherches en sciences humaines du Canada : Rapport annuel 1988-89

Ottawa : le Conseil, 1989. 169 p. Bibliogr.  
Bilingue. CSI 22284.001. ISBN 0-662-57335-8  
MICROLOG 90-06547 2 fiche (Available on fiche only)

Le Conseil a pour mandat de promouvoir et de soutenir la recherche et l'érudition dans le domaine des sciences humaines et sociales, et de conseiller le Ministre sur les aspects de cette recherche que ce dernier lui demande d'examiner. Ce rapport annuel fait le bilan des activités des différentes divisions du Conseil: subventions de recherche, subventions stratégiques, bourses et diffusion de la recherche et relations internationales. Inclut aussi les états financiers.  
CA CU

### Conseil de recherches et de productivité du Nouveau-Brunswick : Rapport annuel 1988-89

Fredericton : le Conseil, 1989. 28, 28 p. : ill.  
Bilingue. CSI 46143.001.  
MICROLOG 90-02604 1 fiche

Ce document présente le Rapport annuel du Conseil de la recherche et de la productivité du Nouveau-Brunswick. Il renseigne sur les services chimiques et biotechniques; l'électronique les matériaux techniques; les services techniques; les services à l'industrie; les services informatiques; la technologie des minéraux et des carburants; et, l'électrochimie.  
AP CO PR PS SC



**Conseil des arts de l'Ontario :  
Rapport annuel 1987-88**

Toronto : le Conseil, 1988. 63 p. *Bilingue.*  
CSI 56110.001.  
MICROLOG 90-03169 1 fiche

Ce document présente le rapport annuel des activités du Conseil des arts de l'Ontario pour la période allant du 1er avril 1987 au 31 mars 1988. Il rend compte des points suivants. Rapport de la présidente; arts et éducation, développement des arts communautaires, danse, films, photographie et vidéo; Bureau Franco-Ontarien; littérature; musique; théâtre, tournées, arts plastiques; programmes; fonds de dotation; conseillers; et Rapport du vérificateur.  
CU ON PR

**Conseil des arts du Canada :  
Rapport annuel 1986-87 : supplément**

Ottawa : le Conseil, 1988. 101 p. *Bilingue.*  
CSI 22110.003.  
MICROLOG 90-00566 2 fiche

Le Conseil a pour objet de favoriser et de promouvoir l'étude et la diffusion des arts ainsi que la production d'oeuvres d'art. Ce rapport annuel comprend la liste des bourses, subventions et services dispensés durant l'année 1986-1987, les noms des bénéficiaires et une brève description de chaque genre de bourse, subvention et service. Les sommes citées représentent les montants attribués. Le rapport comprend également les états financiers apurés et la revue des activités de tous les programmes.  
CA CU

**Conseil des arts du Canada :  
Rapport annuel 1987-88 : supplément**

Ottawa : le Conseil, 1989. 103 p. *Bilingue.*  
CSI 22110.003.  
MICROLOG 90-02786 2 fiche

Ce document présente le rapport annuel du conseil des Arts du Canada pour l'année 1987-88. On y aborde les domaines suivants: la danse, la musique et les opéras, les théâtres, l'Office des tournées, les lettres et les éditions, les arts visuels, la Banque d'oeuvres d'art, les arts médiatiques, le Service des bourses, les explorations, les autres subventions, la Commission du droit de prêt public, le programme Killam, les prix et les distinctions, et, les organes consultatifs, les jurys et les comités de sélection.  
CA CU PA

**Conseil des arts du Canada :  
Rapport annuel 1988-89 : supplément**

Ottawa : le Conseil, 1990. 107 p. *Bilingue.*  
CSI 22110.003.  
MICROLOG 90-04854 2 fiche

Le présent supplément du rapport annuel du Conseil des Arts du Canada pour 1988-89 comprend, outre la liste des bourses, subventions et services dispensés durant cet exercice, les noms des bénéficiaires et une brève description de chaque genre de bourse, subvention et service. Les sommes citées représentent les montants attribués; les bénéficiaires ne reçoivent le plein montant que s'ils remplissent les conditions prescrites.  
CA CU

**Conseil des arts du Manitoba :  
Rapport annuel 1988-89**

Winnipeg : le Conseil, 1989. 56 p. *Bilingue.*  
CSI 42106.001  
MICROLOG 90-05278 1 fiche

Le Conseil a été créé en 1965 en vertu du projet de loi 135 de l'Assemblée législative du Manitoba et a tenu sa première réunion en 1969. Il a pour objet la promotion de l'étude, de l'appréciation, de la réalisation et de la diffusion des oeuvres d'art. Ce document présente le rapport des activités du Conseil correspondant à la période du 1er avril 1988

au 31 mars 1989. Il se penche particulièrement sur les subventions et les programmes ainsi que le rapport financier.  
CU MS PR

**Conseil des communautés culturelles  
et de l'immigration du Québec :  
Rapport annuel 1988-89**

Québec : le Conseil, 1990. 30 p.  
CSI 67245.001. ISSN 0833-0972 ISBN  
2-551-14053-6  
MICROLOG 90-05091 1 fiche

Le Conseil est un organisme permanent et autonome destiné à conseiller le ministre des Communautés culturelles et de l'immigration dans la planification, la coordination et la mise en oeuvre des politiques gouvernementales relatives aux communautés culturelles et à l'immigration. Ce rapport annuel présente le bilan des activités du Conseil pour 1988-89. Il s'agit d'avis présentés au ministre, de recherches, de consultations, de colloques et de participation à des comités extérieurs. Les annexes contiennent une liste des publications et la composition des comités.  
PR QU SA

**Conseil des premiers ministres des  
Maritimes (Canada) : Etats financiers  
1987-88**

Halifax : le Conseil, 1988. 16, 9 p. *Bilingue.*  
CSI 32107.003.  
MICROLOG 90-03299 1 fiche

Ce document présente le bilan du Fonds consolidé du Conseil des Premiers ministres des Maritimes au 31 mars 1988 et les états des recettes, des dépenses et de l'excédent de fonctionnement du Fonds consolidé, et des autres capitaux propres dans la filiale en propriété exclusive ainsi que les tableaux connexes pour l'exercice terminé à cette date. Les états financiers présentent fidèlement la situation financière du Conseil ainsi que les résultats de ses activités.  
AP CO PA PR

**Conseil des premiers ministres des  
Maritimes (Canada) : Rapport annuel  
1988-89**

Halifax : le Conseil, 1989. 28, 28 p. : ill.  
*Bilingue.* CSI 32107.001. ISSN 0380-0768  
MICROLOG 90-04137 1 fiche

Les objectifs du Conseil sont de promouvoir l'intégrité parmi les 3 gouvernements pour assurer la coordination maximum des activités des gouvernements des 3 provinces et de leurs agences, et pour établir la structure conjointe d'action. Ce rapport annuel fait ressortir les activités et accomplissements du Conseil.  
AP PA PR

**Conseil des recherches médicales  
(Canada) : Rapport du président  
1988-89**

Ottawa : le Conseil, 1989. 49, 45 p. : ill.  
Bibliogr. *Bilingue.* CSI 22246.003. ISBN  
0-662-56895-8  
MICROLOG 90-05137 2 fiche

Le Conseil est un établissement public établi afin de favoriser, d'aider et d'entreprendre des recherches pures, appliquées et cliniques en sciences de la santé au Canada. Ce rapport du président pour l'année 1988-1989 contient au aperçu du Conseil, l'organigramme, la liste des membres du Conseil, des membres du Secrétariat et des comités permanents, la description des programmes, les publications et le rapport du vérificateur accompagné par le bilan financier.  
CA HE SC ST

**Conseil des sciences du Canada :  
Rapport annuel 1988-89**

Ottawa : le Conseil, 1989. 26, 26 p. *Bilingue.*  
CSI 22169.001. ISBN 0-662-56919-9  
MICROLOG 90-01654 1 fiche

Créé en 1966 par une loi du Parlement, le Conseil des sciences du Canada est l'organisme consultatif national titré en matière de politique scientifique et technologique. Ses principales fonctions sont les suivantes: identifier et analyser les dossiers de politique scientifique et technologique, recommander des lignes d'action, sensibiliser les Canadiens à l'importance des sciences et de la technologie dans leur vie; et, susciter la discussion sur les questions de politique scientifique et technologique entre les pouvoirs publics, les entreprises privées et les établissements d'enseignement. Ce document donne le rapport annuel du Conseil pour l'année 1988-89.  
CA PA SC

**Conseil économique du Canada :  
Exposé annuel 1989 : patrimoines**

Ottawa : le Conseil, 1989. x, 89 p. : ill. *L'éd anglaise (Economic Council...legacies...)*  
90-01313/1. CSI 22215.001F. ISSN 0706-7941  
MICROLOG 90-01312 2 fiche

Au Canada, les artisans de la politique économique font aujourd'hui face à plusieurs types de décisions. Ils doivent en effet s'attaquer d'urgence à des problèmes comme le déficit du gouvernement fédéral, mais aussi à une foule d'autres questions qui influent sur le bien-être des générations futures. Cet exposé porte principalement sur les points suivants: le patrimoine canadien; le Canada et l'économie mondiale, le rééquilibrage de la situation financière, la situation des générations actuelles; et, les besoins des générations futures.  
CA CO ST

**Conseil économique du Canada :  
Rapport annuel 1988-89**

Ottawa : le Conseil, 1989. 21 p. *L'éd anglaise sur la même fiche* CSI 22215.003 ISBN  
0-662-95596-X  
MICROLOG 90-01656 1 fiche (Available on fiche only)

Ce rapport annuel présente le plan stratégique du Conseil, une revue des activités du dernier quart de siècle, les axes de la recherche en 1988-89, le coût de la recherche économique, et un résumé de la recherche en cours. Il conclut en donnant l'état des résultats du Conseil.  
CA CO

**Conseil national de commercialisation  
des produits agricoles (Canada) :  
Rapport annuel 1988-89**

Ottawa : le Conseil, 1989. 46, 44 p. *Bilingue.*  
CSI 22254.001  
MICROLOG 90-00308 1 fiche

Le Conseil national de commercialisation des produits agricoles a été créé en 1972 aux termes de la Loi sur les offices de commercialisation des produits de ferme, son mandat consiste à superviser les offices chargés d'appliquer les plans nationaux et régionaux de commercialisation. La Loi autorise les producteurs agricoles à élaborer des plans nationaux ou régionaux de commercialisation. Le rapport se penche particulièrement sur les activités de l'Office canadien de commercialisation des oeufs, du dindon, du poulet et des oeufs d'incubation de poulet à chair. Finalement, il présente les propositions visant la création de nouveaux offices canadiens de commercialisation.  
AG CA CO ST

**Conseil national de recherches  
Canada : Rapport annuel 1988-89**

Ottawa : le Conseil, 1989. 55, 48 p. : ill.



Bilingue. CSI 22261 001. ISBN 0-662-56720-X  
MICROLOG 90-00518 2 fiche (Available on fiche only)

Le Conseil national de recherches aide les entreprises canadiennes à accroître leur productivité, à mettre au point de nouveaux produits et à résoudre des problèmes de nature technique. Le rapport porte particulièrement sur les sciences; la technologie, l'information; les programmes internes; le Conseil, les distinctions; et la revue financière. CA PS SC ST

### Conseil ontarien des affaires collégiales : Rapport annuel 1987-88 : en transition

Toronto : le Conseil, 1988. 30 p.  
CSI 56114 001F.  
MICROLOG 90-03342 1 fiche

Ce rapport souligne quelques-unes des nouvelles formules du Conseil. Il insiste plus fortement sur la coopération non seulement avec les parties responsables du système mais aussi avec d'autres groupes tout aussi importants comme les universités et les groupes qui les représentent, y compris le Conseil ontarien des affaires universitaires. Il examine également l'élaboration d'un nouveau protocole d'entente entre le ministre et le Conseil des affaires collégiales; la recherche de nouvelles méthodes de collaboration; la négociation collective; le développement de la capacité de recherche de politiques, les autres questions et activités, les visites des collèges, les réunions du Conseil, et, les conclusions. ED ON PR

### Conseil ontarien des affaires collégiales : Rapport annuel 1988-89

Toronto : Le Conseil, 1989. 22, 24 p.  
Bilingue. CSI 56114 001  
MICROLOG 90-06949 1 fiche

Document présentant le rapport annuel du Conseil pour la période du 1er septembre 1988 au 31 août 1989. Parmi les sujets examinés, on se penche sur les points suivants: les membres du Conseil, l'énoncé du mandat; les équipes de liaison; les questions ayant trait à l'autorité; la négociation collective et la gestion des ressources humaines à la vision 2000, et, les dépenses d'exploitation.

### Conseil régional de la santé et des services sociaux de l'Abitibi-Témiscamingue (Québec) : Rapport annuel 1988-89

Québec : le Conseil, 1989. 32 p. : ill.  
CSI 67230 001. ISBN 2-89391-016-5  
MICROLOG 90-05106 1 fiche

Le rapport annuel du Conseil présente tout d'abord la mission, les fonctions et l'organisation administrative du CRSSAT. On retrouve par la suite un bilan des activités, incluant des renseignements sur la région desservie, la situation démographique, les services administratifs, la recherche et l'évaluation, la santé communautaire, et l'organisation, pour l'année 1988-89.  
HE MU PR QU SA  
ED ON PR

### Conseil régional de la santé et des services sociaux de l'Estrie (Québec) : Rapport annuel 1988-89

Sherbrooke, Québec : le Conseil, 1989. 9 p.  
CSI 67224 001  
MICROLOG 90-05113 1 fiche

Ce document présente le rapport annuel du Conseil régional de la santé et des services sociaux de l'Estrie pour l'année 1988-1989. Il consiste en un plan d'action articulé de trois axes principaux: emphase sur les priorités régionales; fonctionnement par plans régionaux

de services; et, révision des mécanismes de participation.  
HE MU PR QU SA

### Conseil régional de la santé et des services sociaux de l'Outaouais (Québec) : Rapport annuel 1988-89

Québec : le Conseil, 1989. 61 p. : ill.  
CSI 67220 001.  
MICROLOG 90-05108 1 fiche

Ce rapport informe des activités du Conseil régional de la santé et des services sociaux de l'Outaouais (CRSSS de l'Outaouais) pour l'exercice terminé le 31 mars 1989. Il porte principalement sur la direction générale, la recherche et la planification, la programmation, le rapatriement et les services de gestion.  
HE MU PR QU SA

### Conseil régional de la santé et des services sociaux de la région de Trois-Rivières (Québec) : Rapport d'activités 1988-89

Trois-Rivières, Québec : le Conseil, 1989. 20 p. : ill. CSI 67237 001.  
MICROLOG 90-05110 1 fiche

Ce document présente le rapport d'activités de Conseil de la santé et des services sociaux de la région de Trois-Rivières pour l'année 1988-89. Il porte sur des sujets tels: l'adaptation intellectuelle; les services aux personnes ayant une déficience motrice; le développement technologique; le financement des projets de développement technologique; le budget d'immobilisation et d'équipement 1988-89, les immobilisations et les équipements des établissements de services sociaux; et, la condition de vie des femmes.  
HE MU PR QU SA

### Conservation and Protection GIS Workshop : proceedings

GIS Workshop (1989 : Dartmouth, N.S.).  
Ottawa : Conservation and Protection, 1989. 38 p.  
MICROLOG 90-06274 1 fiche

Proceedings of the workshop, covering the principles of geographic information systems (GIS); several applications of work undertaken in the Atlantic Region to date; the potential for GIS related projects with CEPA, wetlands and groundwater programs; and GIS needs and the formation of GIS users groups, including the identification of some potential multi-sectoral GIS projects. Abstracts are given of the projects and reports of the working group discussions are included.

• AP CA EN SC TE

### Conservation and Protection Sustainable Development : progress and plans

produced for the Conservation and Protection Sustainable Development Steering Committee.  
Ottawa : Canadian Wildlife Service, Sustainable Development Branch, 1989. i, 23 p. *French ed. (Conservation et Protection réalisations...)* on the same fiche

MICROLOG 90-06289 1 fiche

This report focuses on the progress made by the Branch in 1988-89 in adopting a sustainable development approach in its programs and activities, and on the actions that the Branch is taking in 1989-90 in implementing such an approach at the operational level. The report first gives background information on the concept of sustainable development, then puts this into the federal departmental context. The Branch's role, its progress, and its plans are listed according to 6 identified directions, covering commitment, expansion of the science/knowledge base, optimizing economic benefits, support of partners, strategies, and communication and education.

• CA CO EV SC

### La Conservation des sols agricoles : politique fédérale -- Rev.

par S. Dakers. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 15 p. Bibliogr. (Bulletin d'actualité : 87-8F) *L'éd. anglaise (Agricultural soil conservation. J.)* ISBN 0-660-92914-7  
MICROLOG 90-05634 1 fiche

La dégradation des sols suscite un intérêt croissant chez un grand nombre de Canadiens. Selon des estimations d'Agriculture Canada, il en coûte 1,3 milliard de dollars par an aux agriculteurs et il pourrait bien leur en coûter plus de 2 milliards par année d'ici la fin du siècle. Les principaux agents de dégradation sont l'érosion par le vent et l'eau, la salinité, l'acidité, le compactage et la perte de matières organiques. Ce document se penche sur la question et donne les points saillants en ce qui a trait à la dégradation des sols.  
AG CA SC

### Conservation et protection réalisation et projets en matière de développement durable

préparé pour le Comité directeur du développement durable de Conservation et protection. Ottawa : Service canadien de la faune, Direction du développement durable, 1989. i, 25 p. *L'éd. anglaise (Conservation and Protection Sustainable...)* sur la même fiche.  
MICROLOG 90-06289 1 fiche

Ce rapport porte sur les réalisations de Conservation et protection (C et P) dans l'adoption de l'approche du développement durable pour ses programmes et ses activités ainsi que sur les mesures qu'elle entreprend pour inculquer cette approche au niveau opérationnel. Un bref historique du développement durable est d'abord donné pour situer dans son contexte l'adhésion fédérale aux objectifs de l'approche. Les efforts de C et P en matière de développement durable sont ensuite présentés dans le contexte de la position du Ministère, le rôle de C et P dans le développement durable est analysé et un aperçu de l'orientation stratégique du MDE est donné. Les réalisations et les projets de C et P en ce qui concerne l'orientation stratégique du MDE sont ensuite énumérés en fonction des six volets de rapports annuels de C et P et de ses plans opérationnels et plans de travail à long terme.

• CA CO EV SC

### Conservation program directory for agro-Manitoba

Winnipeg : Sustainable Development Coordination Unit, 1990. 65 p. : fold. maps.  
MICROLOG 90-06259 1 fiche

Compilation of programs offered by various government and nongovernment agencies which provide for the conservation of natural resources under the control of farmers. These programs encourage farmers to alter their farmland management practices, by offsetting production costs or by providing financial and other incentives. The programs are offered under the Canada-Manitoba Accord on Soil and Water Conservation and Development and the North American Waterfowl Management Plan and cover soil, farm water, general resources, and wildlife habitat.  
AG MS PR SC

### Conservation strategies, sustainable development and climate change

by E.W. Manning, B. Rizzo and E. Wiken. Ottawa : Environment Canada, Sustainable Development, 1989. 8, iii p. : ill. Bibliogr.  
MICROLOG 90-06316 1 fiche

Sustainable development implies development which respects the constraints of the environment while taking full advantage of environmental opportunities. This paper



discusses a way of looking at sustainable development so that such major alterations in the system as climate change can be seen in the light of their impact on the environment and economy. This permits analysis of how conservation and sustainable development strategies relate to promoting long-term system sustainability in the face of human impact on the environment. A broad conceptual model of environment/economy relationships is used to show the relationships, with the environment representing the supply side of a supply/demand relationship. A discussion of both the static and dynamic states of the model illustrates the human/biosphere interactions and identifies potential points for active intervention.

● CA CO EV SC

#### Conserving Our Future : a draft recycling strategy for the 90's

Winnipeg : Manitoba Environment, 1990. 72 p.  
MICROLOG 90-04990 1 fiche

In June 1989, the Manitoba Recycling Action Committee was established to advise on how the province should meet the goal of a 50% reduction in solid waste generated by 2000. This draft action plan has been released to gain comment by members of the public and other stakeholders. The draft plan presents information on the waste reduction goal and targets; the principles underlying the waste minimization strategy; the policy framework for waste minimization; the need for education and information; market and system development; residual management; and options for discussion. A series of recommendations are also included. A draft list of Manitoba recyclers is included.

EV MS PR SC

#### Consideration on drift and translocation of *Todarodes pacificus* larvae along the Pacific coast of Japan

by T. Okutani. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 17 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5230) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-02678 1 fiche

Paper summarizing the morphological study of *Todarodes Pacificus* (Japanese common squid) larvae and juveniles and an ecological study of their distribution, drift and translocation. Samples were gathered through surface horizontal towing of nets along the Pacific coast and offshore from April 1967-March 1970, along the fishing boundaries set for the various prefectures under the Tokai regional administration, and from samples collected earlier.

● CA CF FI LS SC

#### La Consommation d'énergie des véhicules routiers lourds : mesure directe sur route des paramètres et étude de leurs interrelations

par D.A. Ljubic, J. Nader et Y. Provencher. Montréal : Transports Canada, Groupe des politiques et de la coordination, Centre de développement des transports, 1989. 1ix, 302 p. : ill., cartes géogr. Bibliogr.  
MICROLOG 90-06784 4 fiche

Le but principal de ce projet est d'étudier les relations chauffeur-machine-environnement-route directement en marche en se servant d'une remorque et d'un camion expérimentaux. Les variables les plus significatives ont été enregistrées automatiquement et simultanément sur route, permettant soit des études de différences globales de consommation énergétique, soit des mesures instantanées des diverses variables. Les buts secondaires sont d'étudier les techniques de conduite à partir de l'examen de 35 chauffeurs sur la même route et avec le même ensemble routier,

de trouver les relations entre la consommation énergétique, les virages, les pentes et les surfaces des routes, et finalement d'étudier l'influence de certaines composantes du train roulant de la remorque expérimentales sur la consommation énergétique.

CA SC TR

#### Constructing conifer genomic libraries : a basic guide

by L.L. DeVerno...et al. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1989. 26 p. : ill. Bibliogr. (Information report ; PI-X-88) French ed. (Création d'une banque...) : 90-06800/1. ISSN 0706-1854 ISBN 0-662-17012-1  
MICROLOG 90-00223 1 fiche

Procedure for constructing genomic DNA bacteriophage libraries from conifer tissue. Although black spruce B.S.P. tissue was used, the protocols can be applied to any plant species. The manual includes techniques for high molecular weight genomic DNA isolation from mature needles, seedlings, and cell suspension cultures; purification of size-fractionated genomic DNA fragments; vector DNA isolation; preparation of vector arms; production of recombinant clones; in vitro packaging; amplification; evaluation of library quality; methods for purification of sized fragments; media and buffer formulas; and the number of recombinants required to represent genomes of various species

● CA FO LS SC

#### Construction : briquetage-maçonnerie : rapport d'analyse de situation de travail

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 37 p. ISBN 2-550-14804-5  
MICROLOG 90-02470 1 fiche

Ce rapport constitue une synthèse des informations recueillies lors de l'analyse de situation de travail qui s'est tenue les 25 et 26 août 1987 et les 14 et 15 septembre 1987. Le document est divisé en quatre parties: description générale du métier, description du travail, habiletés transférables et comportements généraux; suggestions et recommandations concernant la formation.

LA PR QU

#### Construction : couvreur, coureuse : rapport d'analyse de situation de travail

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 27 p. ISBN 2-550-14847-9  
MICROLOG 90-02472 1 fiche

L'analyse de situation de travail a pour but de préciser les compétences sur lesquelles s'appuient les objectifs d'un programme. Elle est le reflet du consensus établi par un groupe de spécialistes du marché du travail concernant la description du métier de couvreur. Réunis autour d'une même table, ces spécialistes se sont entendus sur une définition commune du métier; ils en ont précisé les tâches et les opérations en plus d'établir leurs conditions de réalisation. Voilà, en somme, ce dont fait état ce rapport.

LA PL PR QU

#### Construction : peintre : rapport d'analyse de situation de travail

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 31 p. ISBN 2-550-14778-2  
MICROLOG 90-02473 1 fiche

Ce rapport a pour but de colliger et d'organiser l'information recueillie lors de l'atelier d'analyse de la situation de travail des

peintres. L'atelier s'est tenu au Château Mirabel les 6, 7 octobre 1987 en présence de gens du métier mandalés par les associations désignées. Il donne la description générale du métier, le processus de travail, les habiletés, les comportements généraux, la formation, et la poursuite des travaux.

LA PR QU

#### Construction : plâtrier, plâtrière : rapport d'analyse de situation de travail

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 21 p. ISBN 2-550-14805-3  
MICROLOG 90-02471 1 fiche

Ce document constitue une synthèse des informations recueillies lors de l'analyse de situation de travail qui s'est tenue les 6, 7 et 8 octobre 1987. Le document est divisé en quatre parties: une description générale du métier; une description du travail, les habiletés transférables et comportements généraux, et les recommandations concernant la formation.

LA PR QU

#### Construction and sea trials of a Contrawl containerization system prototype, part I

Bond Architects and Engineers Ltd. St John's : Dept. of Fisheries and Oceans, Newfoundland Region, Fisheries and Habitat Management, Fisheries Development Division, 1988. 2 v. (Canadian industry report of fisheries and aquatic sciences ; no. 195A) (Canadian industry report of fisheries and aquatic sciences ; no. 195B) Fished with: Contrawl project, part II / Fishery Products International. ISSN 0704-3694  
MICROLOG 90-02240 1 fiche

It has long been recognized that the current Canadian practice of sloring fish on offshore wet fish trawlers in a penboard and stanton system results in a high percentage of less than top quality fish and significant loss of product, largely due to the difficulty of off-loading bulk or pen-stowed fish. In 1985 Contrawl Ltd. constructed a prototype trawler containerization system and demonstrated its operation. At the same time, a computer system was developed which could be used to automate the Contrawl system loading and discharge operations. This report provides details of the further development of the Contrawl system, utilizing a significant modification to the in-hold mechanical system but otherwise using the original Contrawl concept. The report covers the utilization and effectiveness of the mechanical systems during the 5 months of sea trials.

● AP CA CF FI SC

#### Construction business plan

Winnipeg : Manitoba Industry, Trade and Tourism, Business Resource Centre, 1989. 30 p. : ill. (Small business management systems)  
MICROLOG 90-01462 1 fiche

The purpose of this publication is to help Manitobans who are planning to start business enterprises in the construction field, or who wish to re-assess the viability of an established enterprise. It presents a guide to developing a business plan, and covers planning, organizing, directing, and controlling.

CO MS PL PR

#### Construction de défense (1951) limitée (Canada) : Rapport annuel 1988-89

Ottawa : la Corporation, 1989. 32, 32 p. : ill. Bilingue. CSI 22214.001  
MICROLOG 90-00540 1 fiche

Construction de Défense est une société d'Etat



créée en 1950 en vue d'attribuer les marchés nécessaires aux travaux de construction, d'entretien et de réparation des installations militaires canadiennes du ministère de la Défense nationale. Les travaux de construction et d'entretien confiés à la Société touchent un large éventail des types d'installations de défense, des aérodromes et des installations portuaires aux installations d'entraînement et d'essais, laboratoires de recherche ainsi que résidences, églises, écoles et hôpitaux militaires. Le rapport fournit de l'information, particulièrement sur les points suivants: les services d'experts-conseils, la modernisation de la défense aérienne de l'Amérique du Nord; les projets réalisés en Europe, les ressources humaines, et les états financiers.  
CA CO EX

### Construction de maison à ossature de bois : Canada -- 2e éd.

Ottawa Société canadienne d'hypothèques et de logement, 1988. ix, 264 p. : ill. Bibliogr. L'éd. anglaise (*Canadian wood-house...*) : 90-06824/3. ISBN 0-660-92305-X  
MICROLOG 90-01097 3 fiche

Cet ouvrage décrit en détail la façon de construire les maisons à ossature de bois au Canada. Il traite des méthodes de construction les plus courantes et apporte certaines suggestions concernant le choix de matériaux appropriés. Le texte est accompagné de nombreuses illustrations qui facilitent la compréhension, et un glossaire en fin d'ouvrage définit les termes techniques. Les annexes en fin d'ouvrage contiennent des tableaux utiles à la construction de maisons à ossature de bois. Finalement, on trouvera des références bibliographiques à la fin de certains chapitres.  
CA PL SC

### Construction details of a large forage plot harvester for cleanup and harvest of test plots

by R. Drapeau and U. Dallaire. Ottawa : Agriculture Canada, Research Branch, 1984. iv, 14 p. : ill. (Technical bulletin ; 1984-3E) French ed. (*Détails de construction d'une...*) on the same fiche. ISBN 0-662-13032-4  
MICROLOG 90-05438 1 fiche

To conduct forage experiments, whether they involve cultivar evaluation or management studies, test plots have to be planted and tended for several years. Replication of seedings over 2 or 3 consecutive years increases the number of plots that must be cut and the area that must be restored to an identical condition after removal of the samples used to determine yields or other agronomic characteristics. Cleanup of the test area after sampling takes a relatively long time with small forage plot harvesters, but large machines are very inconvenient to use for this work. For these reasons, it was decided to construct a large forage plot harvester that was compact, easy to operate, and labour efficient. There are no plans for the forage plot harvester, but this bulletin provides a reasonably detailed description of the main components and their operation.  
• CA FO SC

### Construction of the Pangnirtung Water Reservoir

by W.G. Nolenboom...et al. Yellowknife : Dept. of Public Works and Highways, 1989. 20 p. : ill. For presentation to the Canadian Society for Civil Engineering Annual Conference  
MICROLOG 90-02635 1 fiche

Discussion of the design and construction of the largest in-ground water reservoir in North America, and possibly the world, constructed entirely in permafrost materials. The paper reviews the design criteria, construction details and the difficulties encountered during construction.  
EV NO PR PW SC

### Construction sector model : final report : a description of the methodology and results for the development of occupational demand coefficients and construction employment projections and a summary of the supply data gathering procedures

Dalcor Innoventures Ltd. Ottawa : Employment and Immigration Canada, 1985. 35 p. : ill. (COPS : consultant report) French ed. (*Rapport définitif...*) on the same fiche.  
MICROLOG 90-00776 1 fiche

Report describing the methodology and results of gathering stock and flow data from the building trades. It outlines the Canadian occupational projection system COPS.DALCOR construction sector model and provides comments regarding the robustness of the data and procedures for on-going data maintenance. The model incorporates the United Association, IBEW, labourers, plasterers and cement masons, ironworkers, operating engineers, sheet metal workers, insulators, and carpenters.  
CA LA PL SC

### Construire des maisons, des communautés et notre avenir : nouvelle manière d'aborder la question du logement dans T.N.-O.

Yellowknife : Société de l'habitation des Territoires du Nord-Ouest, 1990. 24 p. : ill. Bilingue (*Building houses, communities...*).  
MICROLOG 90-05707 1 fiche

Depuis que le Comité spécial sur l'habitation a soumis son rapport final à l'Assemblée Législative, en recommandant des changements dans le mode de fournir des habitations dans les Territoires du Nord-Ouest, la Société de l'habitation des Territoires du Nord-Ouest a travaillé à réaliser ces changements. Ce rapport décrit les progrès réalisés par la Société l'année dernière et décrit également les changements à venir.  
NO PR SA

### Consultations prébudgétaires pour 1990

Ontario. Assemblée législative. Comité permanent des affaires financières et économiques. Toronto : le Comité, 1990. 75, 72 p. Bilingue (*Pre-budget consultation...*). CSI 54152 001. ISSN 0835-4952  
MICROLOG 90-06078 2 fiche

Le Comité présente son rapport renfermant ses recommandations et observations au sujet des priorités économiques et budgétaires de la province pour le budget de l'Ontario de 1990. Il porte particulièrement sur les points suivants: le processus de consultation pré-budgétaire; les perspectives économiques; la politique budgétaire; les relations entre les différents paliers de gouvernement; les questions sociales; l'investissement dans l'avenir; l'agriculture; et, la liste des recommandations.  
CO ON PA PR

### Consultative conference on discrimination against Natives and Blacks in the criminal justice system and the role of the Attorney General : proceedings

see Royal Commission on the Donald Marshall, Jr., Prosecution, vol. 7 : consultative conference on discrimination against Natives and Blacks in the criminal justice system and the role of the Attorney General : proceedings

### Consumer information report on renovation

Consumers' Association of Canada. Ottawa : Canada Mortgage and Housing Corporation, 1989. 124 p.  
MICROLOG 90-04101 2 fiche

Reports on a survey of the various private and government organizations active in the renovation area which compiled a comprehensive catalogue listing the most current nonbook publications, videos and general interest courses available to consumers in Canada. It includes a list of manufacturers, retailers, school boards, community colleges, and government departments at the municipal, provincial and federal levels that deal in the dissemination of renovation information. It also contains an analytical review of the collected material to determine distribution patterns, subject coverage and technical value.  
CA PL SA

### Container for use in transporting forensic explosive samples

by E. Contestabile, T. Craig and D. Wilson. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. v, 28 p. : ill. Bibliogr. (Report, MRL 89-58(IR))  
MICROLOG 90-01206 1 fiche

Description of a container designed for the Royal Canadian Mounted Police to be used for shipping explosive-contaminated samples by whatever mode of transportation, including aircraft.  
• CA CM PS SC

### Containerization of sprats-trials : 1983 season

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 10 p. (Canadian translation of fisheries and aquatic sciences ; no. 5113) Originally published in Norwegian, at Stavanger, Norway. ISSN 0704-3716  
MICROLOG 90-00044 1 fiche

During the 1982 sprat season, introductory trials were carried out with transportation of fresh sprat in insulated containers by the CSW principle. The results were promising, leading to a decision to carry out a bigger operation with containerized transport to 3 sardine plants in the 1983 sprat season. This paper describes the results of the 1983 trials.  
• CA CF FI LS SC

### Containers for the inshore fishery : Denmark's first fishing vessel fitted for container cargo

by K. Fischer. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 10 p. (Canadian translation of fisheries and aquatic sciences ; no. 5234) Originally published in Danish. ISSN 0704-3716  
MICROLOG 90-02675 1 fiche

From 1960-82, the number of full-time fishermen in the inshore fishery decreased by 36%, due to an increase in algae in coastal waters. This increase in algae makes coastal net almost impossible during the summer months, impacting heavily upon small harbours and docks. This paper describes the construction of a fishing vessel which could carry insulated containers to improve the handling of the fish catch in inshore areas. The vessel also changed its fishing method from net fishing to trawling. The paper describes the construction of the vessel, the cleaning and rinsing facilities, the cooling of the containers, the quality of the cooled fish, and the handling during loading and unloading.  
• CA CF FI SC

### Contaminant hydrogeology of toxic organic chemicals at a disposal site, Gloucester, Ont., 2 : remedial investigation

by R.E. Jackson...et al. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 130 p. : ill.



Bibliogr. (NWRI contribution ; 89-154)  
MICROLOG 90-02453 2 fiche

Hydrogeological research from 1986-89 has shown that a large plume of organic chemicals has continued to migrate through an outwash aquifer following disposal at the special waste compound (SWC) at the Gloucester landfill, near Ottawa, Ontario. The leading edge of the plume, characterized by high concentrations of chloride and aliphatic ethers, has moved off site. Most of the halogenated hydrocarbons have not been transported so far and remain directly below the SWC in the outwash aquifer and the overlying aquitard. In this zone there is considerable evidence of dehalogenation reaction, which are probably microbially catalyzed. Field and laboratory experiments were undertaken to determine the mobility of the aliphatic ethers and some halogenated hydrocarbons in the outwash aquifer. The remedial alternatives considered for the site are reviewed and preliminary remedial measures taken on behalf of the site owner, Transport Canada, are described.  
CA EV NR ON PS SC

#### Contaminants in the prey of the peregrine falcon in Canada

by A. Baril, et al. Ottawa : Canadian Wildlife Service, 1989. vii, 89 p. Bibliogr. (Technical report series ; no. 62) ISSN 0831-6481 ISBN 0-662-16844-5  
MICROLOG 90-06690 2 fiche

This report discusses contamination of the avian prey of the peregrine falcon in Canada and its significance for the recovery of the population. The contaminants of concern are the organochlorine compounds DDE, dieldrin, oxychlorane, heptachlor epoxide, alpha-HCH, mirex, hexachlorobenzene and PCBs, and mercury. The data reviewed were obtained mainly from the National Registry of Toxic Chemical Residues of the Canadian Wildlife Service and were averaged by region (11 across the country) and by time (1975-79 and 1980-85). More recent data were made available for prey collected in B.C., Alberta, N.B., and N.S.  
• CA EV SC

#### Continental natural gas market : Canadian export capacity in the 90s

by L.A. Coad and D.H. Maerz. Calgary, Alta. : Canadian Energy Research Institute, 1989. xv, 163 p. : ill. Bibliogr. (Study ; 34) ISBN 0-920522-60-2  
MICROLOG 90-01034 2 fiche (Available on fiche only)

Report on the level and timing of pipeline capacity additions that will best serve long-term requirements for natural gas trade between Canada and the U.S. A fundamental determinant in the analysis is the resource base believed to exist within the various supply regions in North America. The findings are divided into those affecting markets in California, the U.S. Midwest, and the U.S. Northeast, and the impacts of alternative resource base assumptions.  
• CA EN EX SC

#### Continental shelf wave propagation on the Labrador Shelf

by S. Narayanan and I. Webster. St. John's : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1989. v, 22 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1699) ISSN 0706-6457  
MICROLOG 90-04322 1 fiche

A barotropic shelf wave model was developed to analyze the low frequency response of a continental shelf to external forces such as wind stress and forces at the boundaries of the domain resulting from energy propagating into the region. This report investigates the sensitivity of the model to conditions at the open boundaries and to the friction

parametrization, and outlines a method of decomposing the response into dominant shelf wave modes. The model is then applied to the Labrador Shelf with wind forcing and forcing at the coastal boundary representing the Hudson Strait pumping.

• AP CA CF FI SC

#### Continuité et changement : les enjeux pour le secteur riverain et les Commissaires du havre de Toronto : rapport

Comité d'orientation chargé du dossier des Commissaires du havre de Toronto (Canada). Toronto : Commission royale sur l'avenir du secteur riverain de Toronto, 1989. 103 p. (Publication ; no 6) L'éd. anglaise (Persistence and change...) : 90-05744-1. ISBN 0-662-16966-2  
MICROLOG 90-05779 2 fiche

Le mandat de la Commission royale sur l'avenir du secteur riverain de Toronto est fondé sur la notion que, dans l'intérêt public, le gouvernement fédéral doit, en sa qualité de propriétaire de terrains dans le secteur riverain et dans l'exercice de ses compétences à leur égard, exercer une influence positive sur les conditions physiques, écologiques, législatives et administratives qui régissent l'utilisation, la fréquentation et l'aménagement du secteur riverain de Toronto. Ce rapport sert à stimuler la réflexion et la discussion sur la continuité et le changement dans le secteur riverain de Toronto.  
CA MU ON PL SC

#### Continuous analyses of gases, dust and flame during and after blasting in Canadian sulphide ore deposits : research report

by J.-P. Sandon. Pointe Claire, Que. : Noranda Research Centre, 1989. iv, 237 p. ill. Bibliogr. CANMET contract: 79140-01-SQ  
MICROLOG 90-02548 3 fiche

Results of a project to collect data regarding dust and flame emissions generated by development blasts and to measure SO<sub>2</sub> emissions produced by secondary ignitions. Dust and flame emissions were characterized by measuring these parameters along with blast vibration traces in both waste and sulphide rock over a period of 2 weeks. An SO<sub>2</sub> sensor was designed and built to measure SO<sub>2</sub> emissions generated by development and production emissions. The sensors were evaluated by the University of British Columbia at Westmin mine.

• CA CM NR PS SC

#### Continuous records of DO contents by cruising in the coastal culture farms, I : relation between DO content and fish density in cages

by S. Kadowaki, T. Kasado and T. Nakazono. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 11 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5189) Originally published in Japanese, in Japan ISSN 0704-3716  
MICROLOG 90-00072 1 fiche

Since the degree of auto-pollution accompanying fish culture has been rising in recent years, more active and rapid control of the fish culture environment is needed. This paper examines the oxygen consumption within the clusters of fish cages in the coastal fish culture farms in the sea area of the marine experimental station in Nagashima, at the northern tip of the Kagoshima Prefecture. A small boat, with recording machines in the bottom, cruised 2.5 m away from fish cages upstream and downstream. The DO variation was recorded as the boat cruised from offshore into the fish cages.

• CA CF FI SC

#### Continuous records of DO contents by cruising in the coastal culture farms, II : diffusion of suspended particles by feeding

by S. Kadowaki, et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5190) Originally published in Japanese, in Japan ISSN 0704-3716  
MICROLOG 90-00073 1 fiche

Paper on the mechanism of suspended particle diffusion in waters around the fish floating cages after feeding. Water samples were taken around the culture farms near Kagoshima University. Suspended particles were determined immediately after sampling on board a 5-tonne vessel by using a Coulter Counter model ZB. Bacterial pollution densities were determined using a modified ZoBell's medium.

• CA CF FI SC

#### Les Contrats en télématique : guide pratique pour diffuser une banque d'informations

par C. Deniger, E. Mackaay et D. Turcotte. Québec : Gouvernement du Québec, Ministère des communications, Direction générale des technologies de l'information, 1989. xiii, 175 p. Bibliogr. ISBN 2-551-08520-9  
MICROLOG 90-02963 2 fiche

Ce document fait la présentation générale des conventions en matière de banques d'informations. De plus, le document se penche particulièrement sur les points suivants les relations entre le fournisseur d'information et le producteur de banques (modèle de contrat et commentaires sur le modèle proposé) les relations entre le serveur et le producteur de banques (modèle de contrat avec un serveur et un producteur-distributeur, et commentaires sur les deux modèles proposés), les relations entre le distributeur et l'utilisateur de banques d'information (modèle de contrat, commentaires sur le modèle proposé, modèle d'avenant pour le courtier d'information, et commentaires sur l'avenant proposé).  
PR PS QU SC TE

#### Contrawl project, part II

see Construction and sea trials of a Contrawl containerization system prototype, part I

#### The Contribution of science and technology in the mining processing and utilization of minerals in assuring an adequate resource base for Canada

compiled by D.W. White and W.A. Gow. Ottawa : Canada Centre for Mineral and Energy Technology, Minerals Research Program, 1975. iv, 74 p. (Report ; MRP75-22)  
MICROLOG 90-01330 1 fiche

The evaluation of Canada's mineral resource base involves the estimation of not only the size, quality and distribution of mineral deposits, but also of the proportion of these deposits that are economically recoverable now and in the future. This publication identifies major technological problems in mining, the processing of ores, concentrates and metals, and the utilization of mineral-based materials. The various technological gaps in the total system are summarized to illustrate the impact on mineral policy development of science and technology deficiencies.

• CA CM NR PS SC

#### A Contribution to the systematics of the genus Svetloviova *Oligochaeta*, *Lubificidae* from Lake Baikal

by L.N. Snimshchikova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986.



14 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no 5242) Originally published in Russian, by the Academy of Sciences of the USSR, at Moscow, USSR ISSN 0704-3716 MICROLOG 90-02713 1 fiche

Description of a new species of the endemic genus *Svetlovina* from the Northern Baikal, along with information on the distribution of 2 other species of this genus in the same area. Cases are considered of the displacement of the genital system by several segments, forwards or backwards, in the 'lower' Tubificidae. In connection with this it is proposed that the diagnosis of the genus *Rhyacodrilus* Bretscher, 1901, be defined more precisely with respect to the arrangement of the organs of the reproductive system. A diagnosis of the genus *Svetlovina* Cekanovskaja, 1975, and a key to the species of this genus are presented

• CA CF FI LS SC

### Contributions to Canadian paleontology

by M.J. Copeland...et al. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 264 p. : ill., maps. Bibliogr. (Bulletin, 396) ISBN 0-660-13431-4 MICROLOG 90-03423 3 fiche

Bulletin containing 10 papers describing a number of different groups of fossils in Ontario, B.C., Northwest Territories, Western Canada, Nova Scotia, the Arctic Archipelago, and the Queen Charlotte basin. Abstracts are given for each paper.

CA NR PS SC

### Contributions to the geology of the Northwest Territories, vol. 3

managing editor, W.A. Padgham Yellowknife NAP, Geology Division, 1988 143 p. : ill., maps. Bibliogr. MICROLOG 90-01942 2 fiche

Papers written by researchers under contract to the Geology Division of the Northern Affairs Program in Yellowknife. Abstracts are given for each paper, which cover stratigraphy, geochemistry, geophysics, and mineralogy.

CA NO NR PS SC

### Contributions to the systematics of the African Naididae *Oligochaeta*, III : studies on the qualitative and quantitative chaetotaxy of the Naididae

by R. Grimm. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 26 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5328) Originally published in German, by the Zoological Museum and Institute of Hamburg. ISSN 0704-3716 MICROLOG 90-02099 1 fiche

This paper investigates 1300 specimens of African Naididae from various collections from a chaetotaxonomic point of view. The animals were made into permanent microscopic preparations and were studied using phase contrast (setae) or interference contrast (soft parts). The line structure of the setae was studied in more detail using a scanning electron microscope.

• CA CF FI LS SC

### Control of hardwood competition by injection of glyphosate or girdling

Truro, N.S. : Dept. of Lands and Forests, 1989. 7 p. : ill. Bibliogr. (Forest research report ; no. 15) MICROLOG 90-02235 1 fiche

Residual trees left on cutovers following harvesting (usually hardwoods) suppress and damage younger trees, create hazards for low-

flying aircraft applying pesticides, act as a seed source, and interfere with future harvesting. This study was established in 1984 at Alpena, Annapolis County to determine the ability of Vision to control vegetative reproduction of hardwoods, both before and after harvesting, when injected into the parent tree prior to cutting and to develop alternative methods of killing unwanted residual hardwood trees. Residual trees were either girdled or injected with the herbicide Vision (active ingredient glyphosate) using the hack and squirt method of application, then harvested 1-2 years later.

### Control of raspberry and grass with liquid hexazinone in Nova Scotia

Truro, N.S. : Dept. of Lands and Forests, 1989. 7 p. : ill. Bibliogr. (Forest research report ; no. 9) MICROLOG 90-02220 1 fiche

Velpar L (active ingredient: Hexazinone 240 gr/l) is a herbicide currently registered in Canada for site preparation by broadcast ground application and conifer release with undiluted spot treatments. This herbicide provides both pre- and post-emergent control of various weed species. It can be absorbed through foliage but since translocation is primarily upward through the xylem, root absorption is more effective. In the spring of 1984, 2 trials were established to determine the efficacy of 3 different rates of Velpar L in controlling raspberry and grass under Nova Scotia conditions. One trial was located at Delaney Settlement, Colchester County on a site dominated by raspberry; the other at Mount Thom, Pictou County on a site dominated by grass.

AP FO PR SC

### Contrôle de la pression et de l'étanchéité à l'air

par A. Colantonio. Ottawa : Travaux publics Canada, Services d'architecture et de génie, 1988. v. 44, v. 40 p. Bibliogr. (Série sur l'évaluation du rendement des immeubles ; Document D36) Bilingue (Airtightness and pressure...) MICROLOG 90-02179 2 fiche

Ce document passe en revue les méthodes employées par Travaux publics Canada pour déterminer les caractéristiques d'étanchéité à l'air et les taux d'infiltration d'air pour plusieurs différences de pression.

CA PL SC

### Le Contrôle des armements conventionnels et le désarmement en Europe : un modèle pour l'appréciation de l'efficacité du système de vérification

par J.W. Moore. Ottawa : Ministère des affaires extérieures et commerce extérieur Canada, Direction du contrôle des armements et du désarmement, 1990. viii, 55 p. Bibliogr. (Études ponctuelles sur la vérification du contrôle des armements ; no 4) L'éd anglaise (Conventional arms control) : 90-05562/1. ISSN 0840-7983 ISBN 0-662-95982-5 MICROLOG 90-05563 1 fiche

Ce document traite de l'efficacité du système de vérification prévu dans le cadre d'un accord de réduction des armements conventionnels. En toile de fond, il présente une chronologie des propositions faites entre 1985 et 1989 sur le contrôle des armements conventionnels, d'où ressortent les diverses mesures proposées en vue de l'instauration d'un régime de vérification des forces armées conventionnelles en Europe. Il aborde ensuite brièvement les techniques militaires et civiles de surveillance disponibles pour la couverture de vastes étendues de territoire, c'est-à-dire les systèmes aériens et basés dans l'espace. Il présente enfin le modèle de vérification dérivé de la distribution

de probabilité binomiale.

• CA EX

### Controlling competing vegetation with lower than recommended rates of glyphosate

Truro, N.S. : Dept. of Lands and Forests, 1989. 7 p. : ill. Bibliogr. (Forest research report ; no. 8) MICROLOG 90-02238 1 fiche

Glyphosate (given the trade name Vision by Monsanto Co. Ltd.) is a herbicide that will provide control of a variety of broadleaf species. Currently, Vision is registered in Canada for site preparation and conifer release by ground and aerial application. Previous trials carried out in Nova Scotia indicated that various target species could be controlled at lower than recommended rates of Vision. To determine the minimum rate of Vision (as well as other herbicides) required to adequately control various species of competition, a series of aerial and ground experiments were established over the past 10 years at various locations in Nova Scotia. This report summarizes the interim results of one such experiment established in the fall of 1984.

AP FO PR SC

### Controlling competing vegetation with lower than recommended rates of glyphosate : a comparison of two trials

Truro, N.S. : Dept. of Lands and Forests, 1989. 16 p. : ill. (Forest research report ; no. 18) MICROLOG 90-02184 1 fiche

Vision (active ingredient: glyphosate 356 gr/l) is a herbicide that will provide control of a variety of broadleaf species. Currently, Vision is registered in Canada for site preparation and conifer release by ground and aerial applications. Previous trials carried out in Nova Scotia indicated that various target species could be controlled at lower than recommended rates of Vision. This report summarizes the results of a trial to verify the minimum rates of Vision required to control various species of competition and compares these results with those of a similar trial previously established at Vanderveen Road in 1989.

AP FO PR SC

### Convention Canada-Québec sur la surveillance continue de la qualité des eaux : Rapport annuel 1985-86

Ottawa : Environnement Canada ; Québec : Gouvernement du Québec, Ministère de l'environnement, 1986. viii, 126 p. CSI 22150.002. MICROLOG 90-01645 2 fiche

Ce document présente le rapport annuel de la convention Canada-Québec sur la surveillance continue de la qualité des eaux pour l'année financière 1985-86. Le rapport présente donc un bilan administratif, opérationnel et financier pour l'année dernière (1985-86), de même qu'un aperçu du programme d'activités pour l'année en cours (1986-87).

CA EV NR PR QU SC ST

### Convention Canada-Québec sur la surveillance continue de la qualité des eaux : Rapport annuel 1986-87

Ottawa : Environnement Canada ; Québec : Gouvernement du Québec, Ministère de l'environnement, 1987. ix, 154 p. Bibliogr. CSI 22150.002. MICROLOG 90-04850 2 fiche

Ce rapport présente un bilan administratif, opérationnel et financier pour l'année 1986-87, de même qu'un aperçu du programme d'activités pour l'année 1987-88. Il renferme aussi certaines recommandations concernant la bonne marche de l'entente

• CA EV NR QU SC ST



**La Convention de la Baie James et du Nord québécois, la Convention du Nord-Est québécois, Cris-Inuit-Naskapis : Rapport annuel 1989**

Ottawa : Affaires indiennes et du Nord Canada, 1990. 16, 16 p. : ill. *Bilingue (The James Bay and Northern Quebec...)*. CSI 21113.003 ISBN 0-662-57222-X MICROLOG 90-04838 1 fiche

La Convention de la Baie James et du Nord québécois a été signée en 1975 par les Cris et les Inuit du Nord québécois, le gouvernement du Canada, le gouvernement du Québec, la Société d'énergie de la Baie James, la Société de développement de la Baie James et Hydro-Québec. Le rapport annuel contient les éléments suivants: les faits saillants des activités de l'année, les négociations en vue de la mise en oeuvre complète des Conventions, et les dépenses des ministères et des organismes fédéraux.  
NO NP PR QU SA

**Convention entre le Conseil de gestion et l'Association des éducateurs professionnels du Nouveau-Brunswick : groupe, éducation (non-enseignant(e)s)**

Fredericton : le Conseil, l'Association, 1990. 28, 29 p. *Bilingue (Agreement between Board...)*. MICROLOG 90-04102 1 fiche

Ce document examine les points suivants: le champ d'application de la convention; les lois à venir et la convention; la reconnaissance, les droits de la direction, la sécurité de l'association; l'impression et la distribution de la convention; la correspondance, la discrimination, les grèves et lock-out; le Comité des relations employeur-association; la procédure applicable aux griefs; l'arbitrage; la discipline, l'affichage des concours, la suppression d'emplois, les traitements, le taux de traitement pour avancement, rétrogradation et mutation, la paye de suppléance, la rémunération des employés mis en disponibilité et rappelés; l'allocation de retraite; les règlements sur les voyages, les jours fériés; les congés; l'assurance-vie collective; les blessures au travail, le transfert des avantages; la rémunération applicable dans le cas des anciens employés, et, la durée.  
AP ED LA PR

**Convention entre le Conseil de gestion et le Syndicat canadien de la fonction publique, Section locale 1418 : groupe, réhabilitation et thérapie, et agents des programmes culturels et de loisirs**

Fredericton : le Conseil, le Syndicat, 1990. 52 p. *L'éd. anglaise (Collective agreement...)* : 90-04104/1 MICROLOG 90-04103 1 fiche

Ce document présente les faits saillants de la convention. Il porte particulièrement sur les points suivants: la reconnaissance et les négociations, les droits de la direction, la retenue des cotisations syndicales; la correspondance; la procédure applicable aux griefs et à l'arbitrage, les grèves et lock-out; les mesures disciplinaires; l'ancienneté, les avancements et mutations, les heures de travail, le surtemps, les congés annuels, les jours fériés; les congés de maladie; le versement des salaires et les allocations; les avantages des employés; la sécurité d'emploi; les changements technologiques; les généralités; la rétroactivité, et la durée et cessation.  
AP LA PA PR

**Convention internationale sur l'élimination de toutes les formes de discrimination raciale : dixième rapport du Canada**

Ottawa : Secrétariat d'Etat du Canada, 1990.

29, 29 p. *Bilingue (International Convention)* ISBN 0-662-57292-0 MICROLOG 90-05571 1 fiche

Ce rapport est le dixième que le Canada présente aux termes de la Convention internationale sur l'élimination de toutes les formes de discrimination raciale. Il porte principalement sur les points suivants les généralités, la mise à jour de l'information sur les mesures adoptées par les gouvernements fédéral, provinciaux et territoriaux, la déclaration de Montréal contre la discrimination raciale, la liste des documents soumis avec ce rapport, et, la Convention internationale sur l'élimination de toutes les formes de discrimination raciale.  
CA EX SA

**Convention internationale sur l'élimination de toutes les formes de discrimination raciale : neuvième rapport du Canada**

Ottawa : Secrétariat d'Etat du Canada, 1988. 50 p. *L'éd. anglaise (International Convention on the Elimination...)* : 90-03424/1 ISBN 0-662-95338-X MICROLOG 90-03553 1 fiche

Rapport portant sur les points suivants. les généralités; les mesures adoptées par le gouvernement du Canada, les mesures adoptées par les gouvernements des provinces et des territoires; la population, selon certaines origines ethniques; la proclamation de la Deuxième Décennie de la lutte contre le racisme et la discrimination raciale, la liste des documents soumis avec le 9e rapport du Canada; et, le texte de la Convention.  
CA JU SA

**Convention on International Trade in Endangered Species : Annual report for Canada, 1988**

compiled by John B. Heppes, Jean R. Robillard and François Pilon. Ottawa : Environment Canada, Canadian Wildlife Service, 1990. 63 p. (CITES reports ; no. 16) *Bilingual CSI 21111.002*. MICROLOG 90-06321 1 fiche

Annual report for Canada of the Convention between biennial meetings. However, other meetings continued throughout the year. Highlights are given of these meetings. Import and export permits continued to be issued as well as transit and scientific certificates. Graphs are included comparing 1987 to 1988. Reorganization of the Canadian Wildlife Service during November 1988, resulted in the CITES section relocating from the Program, Marketing and Operational Services Branch to the Migratory Birds and Wildlife Conservation Branch effective December 1, 1988.  
• CA EV LS SC

**Convention sur le commerce international des espèces menacées d'extinction : Rapport annuel de 1988 du Canada**

compilé par John B. Heppes, Jean R. Robillard et François Pilon. Ottawa : Environnement Canada, Service canadien de la faune, 1990. 63 p. (Rapports CITES ; no. 16) *Bilingue CSI 21111.002*. MICROLOG 90-06321 1 fiche

Les membres du comité permanent des Parties à la CITES, dont fait partie le Canada, se sont réunis au Costa Rica du 25 au 31 janvier. Les principaux sujets à l'étude comprenaient l'application de la résolution 6.1 sur la création de comités, la confidentialité des documents du Comité permanent, les problèmes associés au commerce de l'ivoire provenant des défenses d'éléphants et la création d'un groupe de travail sur les éléphants d'Afrique. Ce rapport porte sur le sujet et a été publié conformément à la Convention sur le commerce international des espèces de faune et de flore sauvages

menacées d'extinction.

• CA EV LS SC

**Conventional arms control and disarmament in Europe : a model of verification system effectiveness**

by J.W. Moore. Ottawa : Dept. of External Affairs and International Trade Canada, Arms Control and Disarmament Division, 1990. viii, 48 p. Bibliogr. (Arms control verification occasional papers ; no. 4) *French ed (Le Contrôle des armements...)* : 90-05563/1. ISSN 0840-772X ISBN 0-662-17577-8 MICROLOG 90-05562 1 fiche

This paper examines the problem of verification system effectiveness in monitoring compliance with a conventional arms reduction agreement. As background, it presents a chronology of conventional arms control proposals from 1985 to 1989, highlighting measures variously suggested for an MBFR or CFE verification regime. It then discusses military and civilian surveillance technologies available for wide-area coverage. Finally, it introduces a verification model derived from the binomial probability distribution.

• CA CI EX

**Conventional arms control and disarmament in Europe : Canadian objectives**

by D. Hamlin. Ottawa : Canadian Institute for International Peace and Security, 1990. 52 p. Bibliogr. (Working paper ; no. 20) ISBN 0-662-17498-4 MICROLOG 90-04225 1 fiche

This paper sets out the issue of conventional force reductions in Europe as seen by a Canadian diplomat with long involvement in arms control. In a careful and balanced fashion, it outlines the key factors governing the West's policies, and indicates how they evolved, especially during the Mutual and Balanced Force Reductions negotiations. The paper focuses on the problems of surprise attack and geostrategic disparities between the two alliances, and then sets out Western thinking on such questions as verification and the long-term future of security in Europe. Canada's particular interests in this field are mentioned, and the paper concludes with an outline of the objectives that this country ought to pursue in the new, Conventional Armed Forces in Europe negotiations.

• CA CI EX

**Cooks Creek Conservation District management plan -- Draft**

Winnipeg : Manitoba Rural Development, Conservation Districts Authority, 1990. 23 p. ill., maps MICROLOG 90-04943 1 fiche

This draft management plan presents the future of the watershed resources for 20-50 years and describes the kinds of programs, projects and policies which are needed within the next 5 years to attain those long term goals. The results of a questionnaire are also included. The plan includes waste management, crossings, soil management, expenditures and revenues, and the process of attaining a final plan. Highlights are also included  
EV MS PR SC

**La Coopération au Canada, 1987**

par J.M. Sullivan. Ottawa : Secrétariat aux coopératives, 1987. 36 p. : ill. *Bilingue (Co-operation in Canada...)*. CSI 21100.011 MICROLOG 90-00282 1 fiche

Cette publication contient des statistiques sur les chiffres d'affaires, les actifs et la composition des coopératives canadiennes pour l'exercice financier se terminant en 1987. Les coopératives se divisent en sept groupes: ventes, consommation, approvisionnements, pêcheurs, production, service et de gros. Les données des six premiers groupes



(coopératives locales) sont présentées ensemble puis ventilées. Celles des coopératives de gros sont présentées séparément parce que leurs chiffres de ventes représentent plus du double de ceux des coopératives locales.  
AG CA CO SC

### La Coopération au Canada, 1988

par J.M. Sullivan. Ottawa : Secrétariat aux coopératives, 1990. 39, 36 p. : ill. *Bilingue (Co-operation in Canada, 1988)* CSI 21100.011. MICROLOG 90-05824 1 fiche

Les coopératives se divisent en 7 groupes de vente, de consommation, d'approvisionnement, de pêcheurs, de production, de services et de gros. Ce document contient des statistiques sur les chiffres d'affaires, l'actif et la composition des coopératives canadiennes pour l'exercice financier se terminant en 1988. Les tableaux ont été préparés par le Secrétariat aux coopératives à partir des données recueillies auprès des gouvernements provinciaux, des coopératives de gros et des coopératives locales.  
AG CA CO ST

### The Cooperative breeding bird survey in Canada, 1988

by A. Erskine, B.T. Collins and J.W. Chardine. Ottawa : Canadian Wildlife Service, 1990. 15 p. Bibliogr. (Progress notes ; no. 188) *French ed. (Etude collective)* : 90-06277.1. ISSN 0069-0023. MICROLOG 90-04583 1 fiche

The Breeding Bird Survey began experimentally in the U.S. in 1965 and has been operational in Canada since 1966. It was set up to detect and measure trends in numbers of birds, particularly small land birds, across North America. Data are collected annually by volunteers and professionals. This report covers the 1988 season and summarizes trends from 1966-88, as well as 1987-88, using a new statistical approach.  
• CA EV LS SC

### Cooperative CSA Cement Sample Comparative Programme, sample no. 43 : test results and analysis

by K.E. Painter. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. 9 p. Bibliogr. (Report : MSL 90-68(IR)) MICROLOG 90-07120 1 fiche

Tables representing the results obtained from sample no. 43 of the cooperative cement sample comparative program in compliance with the CSA committee on hydraulic cements. The results were obtained and reported by the participating laboratories with CANMET acting as the coordinator for this round-robin testing program. For sample no. 43, the cement distributed was a normal Portland cement, Type 10, blended and packaged in the CANMET laboratory from a 360 kg cement stock supplied by one of the cement distributors participating in the program  
• CA CM PS SC

### Cooperative development, demonstration and evaluation of integrated truck-shovel operations and management system in producing surface coal or oil sands mines, phase 1 : final report

Wenco International Mining Systems Ltd. S.I. : The Corporation, 1988. 286 p. : ill. Bibliogr. *CANMET contract: 79148-01-SQ.* MICROLOG 90-00182 3 fiche

Review of mine operators' requirements for the various components proposed for an integrated truck and shovel operating and management system, with a review of available technology in each field. The report evaluates the proposed development, weighing expressed need, cost effectiveness and common standards that would

suggest the practicality of eventual integration. Interviews were conducted with various mining companies on the value of the various current and proposed technology associated with the project. For each of the components of the system (simulation, dispatching, equipment information, data transfer, location monitoring and the data base), the report discusses the objectives, summarizes the available technology, recommends a supplier, and estimates costs and benefits.  
• CA CM NR PS SC

### Cooperative housing : a bibliography -- Rev.

Ottawa : Canada Mortgage and Housing Corporation, Canadian Housing Information Centre, 1988. 40 p. *Bilingual (Bibliographie sur les coopératives...)* MICROLOG 90-01588 1 fiche

Bilingual bibliography on operating cooperative housing, financial assistance, experience in living in such housing, comparative information from Sweden and Norway, and land development and purchase for such developments. The bibliography is arranged alphabetically by author and covers international sources. A list of relevant periodicals is also included.  
CA PL SA SC

### Coordinating Committee of Maritime Electric Utilities : Annual report 1988

Halifax : The Committee, 1989. 78 p. CSI 32114.001. MICROLOG 90-07045 1 fiche

Annual report for 1988 of the Committee, consisting of Maritime Electric Co. Ltd., New Brunswick Power and Nova Scotia Power Corporation. A summary of the 1988 and proposed 1989 activities are given for the regional planning subcommittee, the regional research and development subcommittee, and the regional operating committee, as well as projects by the individual utilities. A load forecast for the next 15 years, including peak demand, and monthly energy forecasts are given, with generating station capabilities.  
AP EN PR PW SC ST

### Coordinating healthy public policy : an analytic literature review and bibliography

by A.P. Pederson...et al. Ottawa : Health and Welfare Canada, Health Services and Promotion Branch, 1988. vi, 71 p. Bibliogr. (Health Services and Promotion Branch working paper ; HSPB 88-1) ISBN 0-662-17415-1. MICROLOG 90-01927 1 fiche

Provides an overview of the conceptual domain of healthy public policy, and addresses the processes by which healthy public policy can be achieved. It reviews the process of implementing healthy public policy and discussed the environmental context in which healthy public policy is formulated. It also focuses on mechanisms of coordination. It provides a general outline of issues important to the coordination process and reviews theoretical material on inter-organizational conflict. Finally it examines the research implications of the issues discussed.  
CA HE

### Les Coordonnateurs à l'énergie dans les municipalités : des ressources humaines rentables et souhaitables

par G. Forques et G. Latour. Québec : Gouvernement du Québec, Bureau des économies d'énergie, 1987. iv, 72 p. Bibliogr. ISBN 2-550-18171-9. MICROLOG 90-04351 1 fiche

Les municipalités du Québec dépensent plus de 240 millions de dollars par année pour l'énergie utilisée par les véhicules et les édifices qui leur appartiennent en propre.

Elles pourraient réduire cette consommation et réaliser des économies annuelles pouvant atteindre 10 \$ par habitant. Ce document porte principalement sur les thèmes suivants: la problématique, la solution au problème; les objectifs du rapport; le contexte organisationnel des municipalités; la coordination des activités reliées à l'efficacité énergétique; la coordination et la rentabilité des économies d'énergie; et, l'évaluation de la rentabilité d'un coordonnateur à Saint-Léonard.  
EN PL PR QU SC

### Copper fertilizer requirements on peat soils

by R. Dowbenko, E. Toews and J. Ewanek. Winnipeg : Manitoba Agriculture, 1990. 7 p. : ill. MICROLOG 90-06244 1 fiche

This pamphlet describes the need for adequate copper levels in soil, the factors affecting the availability of soil copper, copper requirement and function in plants, the probability of copper deficiency among different crops, identifying copper deficiency, and the sources of copper fertilizer.  
AG MS PR SC

### Copper-mate plumbing machine : pre-production development

by W. Romanuk. Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. vi, 55 p. ISBN 0-88654-256-1. MICROLOG 90-02185 1 fiche

Results of a project to complete the development of a machine for use in the plumbing industry which could cut, ream, and clean copper pipe and fittings, as well as cut plastic and aluminium pipe. To be effective, the plumbing machine would have to accomplish these tasks more cheaply than traditional methods through labour savings realized by productivity improvements. A second prototype was designed and constructed based on design criteria taken from the first prototype, and recommendations and comments from a recognized industrial designer and a senior engineer from the Canadian Standards Association are given. Further improvements were incorporated following testing on a construction project, and the machine was submitted to CSA for approval. The potential market was also analysed by examining data on the plumbing industry in Canada. Finally, production plans were developed.  
AL PL PR PS SC

### COPS reference, 1988 projections

by M. Justus and M. Laplante. Ottawa : Employment and Immigration Canada, 1988. 269 p. (COPS : consultant report) MICROLOG 90-00697 3 fiche

Summarizes assumptions and results of a national economic outlook prepared by Informetrix Limited for the Canadian Occupational Projections System group at Employment and Immigration Canada.  
CA CO LA

### CORD : a software package for creating circular orientation diagrams

by D. Nesbitt and J. Schnute. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. v, 19 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1706) ISSN 0706-6457. MICROLOG 90-01929 1 fiche

This report documents a microcomputer software package that produces circular orientation diagrams for a series of animal orientation experiments. The software (CORD, for Circular ORientation Diagram) allows for the possibility that animals may orient bimodally, with a second direction opposite to the first. CORD reads data from an ordinary text file, produces diagrams for arbitrary subsets of the



data, and produces output both on the screen and the printer, with support provided for common dot matrix and laser printers.  
• CA CF FI PS SC

### Core standards

Alberta. Alberta Family and Social Services. Edmonton : The Ministry, 1989. v, 41 p. MICROLOG 90-00264 1 fiche

This document contains a history of the Department, and discusses aspects of core standards for service providers including protection of human rights, service planning, and the capacity to provide service.  
AL PR SA

### CORES : air traffic conflict resolution system : final report

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by I.G. Smith...et al. Ottawa : CompEngServ Ltd., 1989. xvii, 37 p. : ill. Bibliogr. MICROLOG 90-04072 1 fiche

Description and evaluation of a proof-of-concept advisory system for air traffic conflict resolution, known as CORES (CONflict RESolution System). CORES is a stand-alone system that simulates the movement of aircraft, identifies aircraft conflicts, provides resolution alternatives, and allows for the examination of these procedures. The system is based upon the non-radar enroute environment typical of northern Canada.  
CA PS SC TR

### Cornwall District fisheries management plan

Toronto : Ministry of Natural Resources, 1989. iii, 104 p. : map. Bibliogr. *Fold. map not filmed.* ISBN 0-7729-5580-8 MICROLOG 90-01358 2 fiche

This management plan outlines the long-term direction of fisheries management efforts in the Cornwall District from 1987-2000 and provides a way to measure the accomplishments of the district fisheries management program by both the managers and the public. The document briefly describes the planning framework followed and provides an overview of the fisheries resources (sport, commercial, baitfish, Akwesasne food fishery, tourism industry) of the Cornwall District, including significant information affecting their management. Fisheries management objectives and targets are stated and strategies and tactics to meet them are identified. An implementation schedule describes in detail how, when and where fisheries management activities in the 5 years between 1987 and 1991 are planned to be carried out.  
FI ON PR SC

### Cornwall District fisheries management plan : summary of public consultation

Toronto : Ministry of Natural Resources, 1988. i, 72 p. MICROLOG 90-01454 1 fiche

Summary detailing the public consultation process in Cornwall District, with responses and an indication of how the suggestions were incorporated into the plan. The process was begun in November 1986 and ended in 1988. This document also includes a list of the documents available for public scrutiny, a summary of the results, response rates and profile, and the major issues identified.  
FI ON PR SC

### A Corporate Land Information Strategic Plan for the government of British Columbia

Ducros, Meilleur, Roy and Associates. Victoria : Ministry of Crown Lands ; Land Information Strategic Committee, 1989. 2 v. : ill. Contents: Vol. 1 : Land information

infrastructure -- vol. 2 : Migration strategy and action plan. ISBN 0-7726-1004-5 MICROLOG 90-02641 2 fiche

Using the concept of domains of interest in land information, the report lays out a land information infrastructure comprised of the necessary data, applications and technology architectures supporting the government-wide strategy. The central theme of the infrastructure is that of a 'Corporate' domain which services the land information needs of the government as a whole by providing a base for sharing of data within and across four other domains: cartographic; thematic LIS; standard IS, and manual.  
BC CO PR

### Corporate Planning Group program evaluation review : report

The PASS Group. Ottawa : Environment Canada, Program Evaluation Branch, 1986. 24 p. MICROLOG 90-06415 1 fiche

Reports on a review of the program evaluation function within Environment Canada. The focus of this review is to identify the scope and quality of existing evaluation information and to suggest a strategy and the means required to produce program evaluation outputs which will be of maximum benefit to program managers within the Department.  
CA EV PA SC

### Corporation commerciale canadienne : Rapport annuel 1988-89

Ottawa : la Corporation, 1989. 28, 28 p. : ill. Bilingue. CSI 22181.001. MICROLOG 90-02277 1 fiche

Créée par une loi du Parlement en 1946 pour contribuer à l'essor du commerce entre le Canada et les autres pays, la Corporation commerciale canadienne porte sur les négociations de contrats d'exportation de gouvernement à gouvernement et un service de gestion de contrats efficace. Ce document fournit le rapport annuel de la Corporation commerciale canadienne, ainsi que les états financiers pour l'année 1989.  
CA CO EX

### Corporation d'hébergement du Québec : Rapport d'activités 1988-89

Québec : Gouvernement du Québec, Ministère de la santé et des services sociaux, 1989. 31 p. : ill. CSI 67305.001. ISBN 2-9301392-1-1 MICROLOG 90-05132 1 fiche

Ce document présente le rapport d'activités de la Corporation d'hébergement du Québec pour l'année 1988-1989. Outre les états financiers qui en font partie intégrante, il rend compte de la réalisation du Centre hospitalier Anna Laberge, à Chateauguay, dont la construction fut assurée par la Corporation d'hébergement du Québec.  
CU PR QU

### Corporation professionnelle des infirmières et infirmiers auxiliaires du Québec : Rapport annuel 1988-89

Montréal : la Corporation, 1989. 32 p. CSI 67151.014. MICROLOG 90-04365 1 fiche

Rapport présenté au ministre responsable de l'application des lois professionnelles conformément aux dispositions du Code des professions. Contient un résumé des activités professionnelles pour l'année et un rapport de chacun des comités. Inclut aussi les états financiers.  
LA PR QU

### Corporation professionnelle des psychologues du Québec : Rapport annuel 1988-89

Montréal : la Corporation, 1989. 32 p. : ill. CSI 67151.026. ISSN 0704-8319 ISBN 2-920818-10-4 MICROLOG 90-04367 1 fiche

Rapport présenté au ministre responsable de l'application des lois professionnelles conformément aux dispositions du Code des professions. Contient un résumé des activités professionnelles pour l'année et un rapport de chacun des comités. Inclut aussi les états financiers.  
LA PR QU

### A Correlation of stepwise stability constant ratios and some structural and bonding properties of transition metal and zinc complexes

by P.G. Manning. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. i, 18 p. Bibliogr. (Report ; MS 65-118) MICROLOG 90-04642 1 fiche

Analysis of stepwise stability constant ratios for some transition metal and zinc amino acid and halide complexes. The paper shows that the observed ratios for Cu, Ni, and Co amino acid complexes are larger than the calculated ratios by a factor R, the Bjerrum rest effect. The paper also shows that the structural transition from octahedron (hexahydrated cation) to tetrahedron (MX<sub>4</sub>, where X = halide) occurs in the first ion association stage for Zn, Co, and Mn chlorides and in the second or subsequent stages for Zn bromide.  
• CA CM NR PS SC

### Corrosion and Tritium Technology Section : 1989 review and 1990 work program

by P.C. Lichtenberger. Toronto : Ontario Hydro, Research Division, 1990. 33 p. ill. (Report ; no 90-55-K) CSI 56125.017. MICROLOG 90-06095 1 fiche

Review of key projects and achievement for 1989 and highlights of the work program for 1990. Section activities continue to be concentrated largely in Zr alloy corrosion/hydrogen ingress mechanisms, steam generators/heat exchanger corrosion mechanisms, tritium handling/storage processes, and tritium interactions with metals.  
EN ON PR PS SC

### Corrosion protection of underground storage tanks : final report

G.I. Russell and Company Ltd. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1990. vi, 279 p. : ill. Bibliogr. CANMET contract: 89180-01-SQ MICROLOG 90-07112 4 fiche

Three identical laboratory model tanks were assembled from a section of 10 inch diameter, uncoated, oxygen concentration cell corroded, steel pipe. The soil bed was chosen to simulate a typical well-aerated topside surface and a wetted bottom with drainage to occur through both the compacted sand on one-half the tank length and granulated crushed stone screenings on the other half of its length. Appropriate reference carbon and zinc electrodes were positioned during backfilling and the potentials of these electrodes were monitored regularly by standard surface electrodes. During phase II of the program, an investigation was carried out on the effect of stray a.c. current up to a very few volts at the soil/metal interface on a cathodically protected coated steel structure. The layout for the series of tests was arranged in a soil-box to simulate the environmental exposure conditions for a typical underground storage tank piping system.  
• AP CA CM EV PS SC



# **A Cost analysis of egg production in Alberta, 1988**

by R. Susko. Edmonton : Alberta Agriculture, Production Economics Branch, 1989. iv, 23 p. : ill. *CSI 34101.024*. MICROLOG 90-01048 1 fiche

Alberta Agriculture, along with the Alberta Egg Marketing Board, initiated a provincial cost study in 1983 to monitor the relationship between the national cost and the provincial cost. This report is the summary of the sixth year of that study. It provides an account of the costs and economic conditions encountered in the production of commercial eggs; analyzes the present price efficiency; provides the participating producers with a personal economic analysis for management purposes; and provides data for Alberta Agriculture staff to use in extension education. AG AL CO PR

# **Cost effectiveness of mobile-source pollution control systems**

MacLaren Plansearch Inc. Toronto Environment Ontario, Air Resources Branch, 1990. 100 p. : ill. Bibliogr. ISBN 0-7729-6209-X MICROLOG 90-04744 2 fiche

To determine the most effective way to regulate air emissions of all sources in Ontario, the cost and the cost-effectiveness of vehicle emission controls must be evaluated. The study identified the total motor vehicle population of light and heavy duty gasoline and diesel vehicles as well as other miscellaneous mobile pollution sources such as household facilities, farm equipment and other transportation sources to determine their contribution. Automotive and pollution control systems and devices installed on light and heavy duty gasoline and diesel vehicles, and the effects of tampering with the pollution control systems on the vehicle's operation were examined. Possible future pollution control systems and alternative fuel systems; the influence of market penetration on the availability of vehicle models in Canada, manufacturers' and consumers' capital costs of the pollution control systems being used, and any variation in operating costs due to the pollution control system were also added. Finally, the study estimated the cost of vehicle pollution control in Ontario and Canada for the last 5 years. CO EV ON PR SC

# **Cost model for hydraulic generation**

by T. Olivares. Toronto : Ontario Hydro, Research Division, 1990. i, 77 p. : ill. (Report ; no. 89-320-K) MICROLOG 90-06026 1 fiche

It is widely assumed that spending requirements of a hydraulic generating plant depend on its past and current performance and age. In an attempt to establish these relationships, simple correlations were calculated between maintenance cost, operating cost, and the cost of capital modifications on one side and performance and age on the other. Mathematical models were established based on the linear regression technique. The cost data was compiled from information from the U.S. Energy Information Administration and the performance data was provided by the North American Electric Reliability Council. EN ON PR SC

# **Cost of fuel and utilities : Newfoundland and Labrador, 1989**

prepared by Newfoundland Statistics Agency, Executive Council, and Dept. of Mines and Energy. St. John's : Newfoundland Statistics Agency ; Executive Council ; Dept. of Mines and Energy, 1989. 75 p. : ill. *CSI 49107.003*. MICROLOG 90-02273 1 fiche

Survey of fuel and utility consumer prices conducted from May 29-June 2, 1989. Retail

prices in a number of Newfoundland communities were collected for furnace oil and stove oil, regular leaded and regular unleaded gasoline, diesel fuel oil and electricity. The survey also compares petroleum product prices and electricity rates throughout the province for May 1989 with those in May 1988. The historical supplement shows how prices have moved since the survey started in 1975. Also included are price comparisons of some fuels in the major cities of Canada. AP CO EN PR SC ST

# **Cost study of sprinkler installation for residential housing**

by J.C. Wiebe. Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. v, 43 p. : ill. Bibliogr. ISBN 0-88654-254-5 MICROLOG 90-02193 1 fiche

This document establishes realistic cost estimates reflecting the costs that would be incurred if fire sprinklers were mandatory for all new single family residences in both rural and urban locations in the province. It also estimates the costs of installing smoke alarms in new houses to provide reference information on these fire protection measures for comparison purposes. AL PL PR

# **Costos de la atención primaria : eficiencia de unidades del primer nivel de atención : estudio de caso**

Universidad del Valle. Facultad de salud. Centro de investigaciones multidisciplinarias en desarrollo. Ottawa : Centro internacional de investigaciones para el desarrollo, 1989. 88 p. : ill. Bibliogr. (Informe ; 222s) MICROLOG 90-00358 1 fiche (Available on fiche only)

Abstract unavailable for this document. CA EX HE

# **Costs of avoiding environmental loadings**

VHB Research & Consulting Inc. Toronto : Ontario Waste Management Corporation, 1989. vii, 26 p. Bibliogr. MICROLOG 90-02870 1 fiche

To assess the benefits associated with the operation of the proposed Ontario Waste Management Corp (OWMC) facility, it was recommended that the change in total loadings to the environment be estimated. To enable this benefit to be compared against the costs that are associated with the OWMC proposal, the benefit-cost work compares the unit cost of loading reductions (corrected for differences in toxicity) against other unit costs society has indicated that it is willing to endure to avoid environmental loadings. The report analyses mercury cleanup in the Wabigoon/English River system, the cleanup of the Kenora PCB spill, and the reduction of lead in gasoline. EV ON PR SC

# **Cotisants du Régime de pensions du Canada, 1987**

Ottawa : Santé et bien-être social Canada, 1989. 64 p. *Bilingue (Canada Pension Plan...)*. *CSI 21112.004*. ISSN 0319-7247 MICROLOG 90-02260 1 fiche

Les données présentées dans cette publication contiennent des renseignements sur les personnes qui ont contribué au Régime de pensions du Canada en 1987. Les cotisations au Régime de pensions du Canada sont versées par les salariés, les employeurs et les personnes travaillant à leur propre compte, depuis l'entrée en vigueur du Régime en janvier 1966. Y sont donnés les renseignements suivants: cotisant; cotisations; état relatif à l'emploi; gains; moyenne des gains; médiane des gains; âge; total et province. De plus, on y fait la distribution suivant l'âge et la province, selon le niveau des gains et la province; le

niveau des gains et l'âge; et, selon le sexe, l'état relatif à l'emploi et la province. CA CO PA ST

# **Cotisants du Régime de pensions du Canada, 1988**

Ottawa : Ministre de la santé nationale et du bien-être social, 1990. 64 p. *Bilingue (Canada Pension Plan...)*. *CSI 21112.004*. ISSN 0319-7247 ISBN 0-662-57734-5 MICROLOG 90-07039 1 fiche

Les cotisations au Régime de pensions du Canada sont versées par les salariés, les employeurs et les personnes travaillant à leur propre compte, depuis l'entrée en vigueur du Régime en janvier 1966. Les données présentées dans ce document contiennent des renseignements seulement sur les personnes qui ont contribué au Régime de pensions du Canada en 1988. Les données proviennent du registre des gains tel que maintenu par le ministère des Approvisionnement et Services, Division du Régime de pension du Canada. Comprend des informations sur le nombre de cotisants et le montant des cotisations, selon le sexe, l'âge, le niveau des gains, l'état relatif à l'emploi et la province. CA CO SA ST

# **Cottage pollution control program, Muskoka-Haliburton**

Toronto : Environment Ontario, Abatement East Section, 1989. 16 p. : maps. ISBN 0-7729-6213-8 MICROLOG 90-02815 1 fiche

The cottage pollution control program was initiated in 1970 to study the cottage waste disposal problem, to evaluate existing waste disposal systems and to enforce repairs or replacement to those found to be unsatisfactory. This report explains the survey methodology, and gives results for Brady Lake, Koshong Lake, Peninsula Lake, and Six Mile Lake. A list of lakes surveyed in Muskoka, Haliburton and Simcoe is included. EV ON PR SC

# **Council of Maritime Premiers (Canada) : Annual report 1988-89**

Halifax : The Council, 1989. 28, 28 p. : ill. *Bilingual. CSI 32107.001*. ISSN 0380-0768 MICROLOG 90-04137 1 fiche

The objectives of the Council are to promote unity of purpose among the three governments, to insure maximum coordination of activities of the governments of the three provinces and their agencies, and to establish the framework for joint actions and undertakings. This annual report outlines the major activities and accomplishments of the Council. AP PA PR

# **Council of Maritime Premiers (Canada) : Financial statements 1987-88**

Halifax : The Council, 1988. 9, 16 p. *Bilingual. CSI 32107.003*. MICROLOG 90-03299 1 fiche

This report includes an auditors' report and financial statements. AP CO PA PR

# **Council's comments on a discussion paper on beverage container legislation for New Brunswick**

New Brunswick. Environmental Council. Fredericton : Dept. of the Environment, 1988. 9 p. *French ed. (Réactions du Conseil...)* on the same fiche. MICROLOG 90-01953 1 fiche

Intended primarily as a litter control measure, beverage container legislation was passed in 1977 and required a mandatory deposit refund for refillable soft drink containers along with the requirement that retailers sell soft drinks in



both refillable and non-refillable containers by brand and flavour. The legislation was discarded by retailers as it was found to be non-enforceable. This report discusses the Council's view on the use of refillable and non-refillable beverage containers, including those used for milk and tetra-packs. The report discusses container deposits, the role of education along with the introduction of beverage container legislation, educational opportunities, and consumer's attitudes. Recommendations are included.  
AP EV JU PR SC

**Countdown acid rain : government review of the eighth progress reports, January 31, 1990, by Ontario's four major sources of sulphur dioxide**

Toronto : Ministry of the Environment, 1990. 11 p.  
MICROLOG 90-05975 1 fiche

Ontario's Countdown Acid Rain program was announced in December 1985 to reduce province-wide emissions of sulphur dioxide to 885 kilotonnes by 1994, from the 1980 base level of 2,194 kilotonnes. Ontario's 4 major emitters of sulphur dioxide are Inco Ltd. and Falconbridge Ltd. (nickel/copper smelters in Sudbury), Algoma Steel Corporation Ltd. (iron sintering plant in Wawa), and Ontario Hydro (all its fossil-fuelled electric generating plants across the province). Each of these companies are required to file reports every 6 months indicating their progress. This report summarizes the contents of the 8th set of company reports and the government response by company.  
EV ON PR SC

**Countdown acid rain : summary and analysis of the seventh progress reports, July 31, 1989, by Ontario's four major sources of sulphur dioxide**

Toronto : Ministry of the Environment, 1990. 19 p. French ed. (Les Pluies acides...la septième...) : 90-05977/1.  
MICROLOG 90-04332 1 fiche

Ontario's Countdown Acid Rain program was formulated in 1985 and placed an annual SO<sub>2</sub> emissions cap of 885 kilotonnes over the province from 1994. To meet this emissions limit, regulations were passed December 1985, requiring specific reductions in SO<sub>2</sub> emissions at Ontario Hydro fossil fuel power plants, the Inco nickel/copper smelter in Sudbury, the Falconbridge nickel/copper smelter in Sudbury, and the Algoma iron ore sintering plant in Wawa beginning in 1986 and culminating in a cap totalling 665 kilotonnes in 1994. In the case of Ontario Hydro, a limit was also placed on the total of SO<sub>2</sub> plus nitric oxide and interim reductions are required for 1990. Semi-annual progress reports are required of the companies. This report summarizes the contents of the 7th set of the company reports (or the first set in the implementation phase) and the government responses.  
EV ON PR SC

**Countdown acid rain : summary and analysis of the third progress reports, July 31, 1987, by Ontario's four major emitters of sulphur dioxide**

Toronto : Environment Ontario, 1987. 17 p.  
MICROLOG 90-06022 1 fiche

Ontario's Countdown Acid Rain program was announced in December 1985 to reduce province-wide emissions of sulphur dioxide to 885 kilotonnes by 1994, from the 1980 base case level of 2,194 kilotonnes. Ontario's 4 major emitters of sulphur dioxide are Inco Ltd. and Falconbridge Ltd. (nickel/copper smelters in Sudbury), Algoma Steel Corporation Ltd. (iron sintering plant in Wawa), and Ontario Hydro

(all its fossil-fuelled electric generating plants across the province). Each of these companies are required to file reports every 6 months indicating their progress. This third progress report provides a general summary, then details the actions taken by each company.  
EV ON PR SC

**Countdown acid rain, after two years : summary and analysis of the fifth progress reports by Ontario's four major sources of sulphur dioxide**

Toronto : Environment Ontario, 1988. 16 p.  
ISBN 0-7729-4785-6  
MICROLOG 90-00217 1 fiche

This program, announced in December 1985, will reduce province-wide emissions limits of sulphur dioxide to 885 kilotonnes by 1994, from the 1980 base case level of 2,194 kilotonnes. This is to be accomplished by non-appealable regulations for the 4 corporate sources, Inco Ltd. and Falconbridge Ltd. (nickel/copper smelters in Sudbury), Algoma Steel Corp. Ltd. (iron sintering plant in Wawa), and Ontario Hydro (all its fossil-fuelled electric generating plants across the province). The 4 major sources produce about 80% of Ontario's emissions. This document summarizes and analyses the 5th report of July 31, 1988, detailing emissions reduction technology development for each of the 4 companies.  
EV ON PR SC

**CounterAttack traffic research papers, 1988**

CounterAttack (B.C.). Victoria : Ministry of Labour and Consumer Services, 1989. vi, 167 p. : ill. Bibliogr. CSI 37113.005. ISSN 0830-0313  
MICROLOG 90-00657 2 fiche

Collection of selected papers produced by the CounterAttack program, organized into the broad categories of traffic accident types; driver characteristics, public attitudes, knowledge and behaviour regarding drinking drivers; traffic epidemiology, and the CounterAttack program.  
BC PR SA SC ST TR

**Coupling similarity-modelled surface gravity shallow water waves and the statistical structure of forcing winds**

by W. Perrie and B. Toulany. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 40 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 115) ISSN 0711-6774  
MICROLOG 90-05153 1 fiche

Report on wave observations from a single Datawell Wavac pitch-roll wave buoy moored 32.5 km from the southwest tip of Nova Scotia, adjacent to Browns Bank in 59m depth for 2 weeks. The data obtained provided for model verification and characterization. Wind data to force the waves are derived from surface pressure data interpolated to the grid of the model. Preparation of the pressure data by spline fitting is compared with interpolation by objective analysis.  
● AP CA CF NR PS SC

**Le Courtage immobilier : document de consultation**

Québec : Gouvernement du Québec, Ministre délégué aux finances, 1990. 27 p. ISBN 2-550-20952-4  
MICROLOG 90-07322 1 fiche

La réforme du cadre juridique du courtage immobilier comporte des enjeux importants pour le milieu du courtage et pour la population en général. Ce secteur d'activités compte près de 1 450 entreprises de courtage agissant comme courtiers et plus de 12 000 agents d'immeubles à leur emploi procurant ainsi plus de 16 000 emplois directs, à temps plein ou à temps

partiel. Ce document se penche sur le courtage immobilier au Québec et examine particulièrement la révision des structures, la pratique du courtage immobilier, les catégories de permis, et la divulgation de conflits d'intérêts.  
CO PR QU

**Les Coûts directs et indirects du SIDA au Québec, 1987, 1991, 1996**

Québec : Gouvernement du Québec, Ministère de la santé et des services sociaux, Direction générale de la planification et l'évaluation, 1989. xii, 81 p. Bibliogr. (Etudes et analyses ; 6) ISBN 2-550-19959-6  
MICROLOG 90-02528 2 fiche

L'étude des coûts du SIDA a été réalisée en février 1988, à la demande de madame Denise Laberge-Ferron, sous ministre adjointe à la Direction générale de la prévention et des services communautaires. Elle vise à estimer les coûts engendrés par le SIDA, spécifiquement pour le Québec en 1987 et, afin d'éclairer la prise de décision, en projeter les coûts dans les années futures si aucune autre mesure que celles qui existaient en 1987 n'était mise de l'avant, c'est-à-dire si les modes actuels d'intervention et de prise en charge restaient inchangés dans le futur.  
HE LS PR QU SC

**Les Coûts du transport ferroviaire par conteneurs en France : étude de cas**

par C. Vasseur. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 157 p. : ill. Bibliogr. (Publication ; no. 650)  
MICROLOG 90-01403 2 fiche

La planification du transport de conteneurs pour le commerce international est une activité très complexe étant donné le contexte général de compétitivité, la qualité de service à rendre au client, le nombre de données à prendre en compte, etc. L'objet de ce rapport est de déterminer les coûts dans le cas particulier du transport par rail, à l'intérieur de la France et mettre au point une méthodologie applicable dans les autres cas.  
EX PR QU SC TR

**CPA/ERAC rotary kiln incineration study : a study of rotary kiln incineration of oily sand wastes**

Hardy BBT Limited. Calgary, Alta. : Canadian Petroleum Association, Environmental Research Advisory Council, 1986. iii, 68 p. : ill.  
MICROLOG 90-04400 1 fiche (Available on fiche only)

Assessment of the disposal of oily wastes using rotary kiln incineration. In cooperation with Esso Resources Canada Ltd., a test burn of oily waste using Esso's rotary kiln incinerator and wastes generated from their Cold Lake facility was investigated on October 31, 1986. The report determined the source emissions resulting from the incineration process, provided chemical analysis of composite waste, collected particulate emissions, composite incinerator ash, and ash leachate, and evaluated the environmental acceptability of rotary kiln incineration. The emission surveys were performed for particulates, sulphur dioxide, oxides of nitrogen, hydrogen chloride, chlorine, and hydrocarbons for Alberta Environment compliance. Carbon dioxide, oxygen, carbon monoxide, nitrogen and moisture were monitored in the exhaust gases and velocity and temperature profiles generated. An EPA leachate toxicity test was performed to determine the acceptability of the material for landfill disposal.  
● CA EN EV PS SC

**Crack propagation in tough ductile materials : phase II**

by R.D. Venter, A.N. Sinclair and D.



McCammond. Ottawa : Atomic Energy Control Board, 1989. 173 p. : ill. Bibliogr. (Research report ; INFO-0254-2)  
MICROLOG 90-06865 2 fiche

This report presents phase II of an investigation into the J material resistance and stress-strain data published and applicable to the understanding of crack propagation in ductile steels, particularly SA 106 Grade B pipe steel. Data was assembled from PIFRAC, AECB and Ontario Hydro sources and gives an evaluation of the influence of temperature, specimen thickness and specimen orientation to be made for the experimental J-R curves so determined. Comparison of the stress-strain within the Ramberg-Osgood formulation are also considered. The report also addresses the development of the required software to utilize the engineering approach to elasto-plastic analysis to investigate the load carrying capacity of selected cracked pipe geometries which are representative of applied crack propagation studies associated with piping systems in the nuclear industry. Three specific geometries and loading situations were evaluated and results are given as a function of an initial and final crack extension leading to instability  
● CA PS SC

### Creating a master plan for the development of city yard facilities

Deloitte Haskins & Sells Associates.  
Scarborough, Ont. : The City, 1988. 2 v.  
MICROLOG 90-01753 3 fiche

Discusses the existing yard tenant needs and requirements; the 'ideal yards' configuration concept, existing properties and facilities characteristics, the potential alternatives for development; and an alternatives evaluation. It also includes the recommended option.  
MU ON PL

### Création d'un environnement pour le développement de projet en électrotechnique, 1987-88

par J. Rouillard. Ste-Thérèse, Québec  
Collège Lionel-Groulx, 1989. ix, 137 p. : ill. Bibliogr. Recherche subventionnée par la Direction générale de l'enseignement collégial.  
ISBN 2-920900-12-9  
MICROLOG 90-04345 2 fiche

Ce document renferme de l'information technique. Il comprend deux parties distinctes. La première présente la démarche à suivre lors de la réalisation d'un projet. Elle identifie les étapes importantes tout en illustrant certains procédés expérimentés. Pour bien visualiser le concept, on propose un cas concret qui consiste à réaliser un produit pour une compagnie fictive. Le but de cette stratégie est d'appliquer chaque étape du projet à une situation réelle. Dans l'autre section on trouve sous forme d'un manuel d'utilisation, la méthode utilisée pour la fabrication de circuits imprimés avec métallisation des trous. Dans le but de suivre la démarche, on y a inclut un petit lexique permettant de mieux comprendre le sens de certains mots techniques.  
EV PR PS QU SC

### Création d'une banque génomique pour les conifères : un guide de base

par L.L. DeVerno. Chalk River, Ont. : Service canadien des forêts, Institut forestier national de Petawawa, 1990. v, 24 p. : ill. Bibliogr. (Rapport d'information ; PI-X-88F) L'éd anglaise (Constructing conifer...) : 90-00223/1.  
ISSN 0228-0736 ISBN 0-662-95823-3  
MICROLOG 90-06800 1 fiche

Ce rapport décrit la manière de créer une banque de bactériophages à ADN génomique à partir de tissus de conifères, en l'occurrence des épinettes noires. On présente notamment des techniques pour isoler des fragments d'ADN génomique à poids moléculaire élevé à

partir d'aiguilles mûres, de semis et de cultures contenant des cellules en suspension. De plus, on décrit la purification de fragments d'ADN vecteur et la préparation des bras de vecteur. Y sont également détaillées la production de clones recombinants, l'emballage in vitro, l'amplification et l'évaluation de la qualité de la banque. Les annexes contiennent des méthodes de purification des fragments, des milieux et des préparations de tampons. Elles font aussi état du nombre de recombinants nécessaires pour représenter les génomes de diverses espèces.  
FO ON PR SC

### Création d'une base de données locale par télédechargement : étude de faisabilité

par L. Carmel et G. Deschatelets. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'information du travail, Direction de la collaboration externe, 1988. v, 181 p. : ill. Bibliogr. L'éd. anglaise (Downloading : a tool...) : 90-04208/2 ISBN 0-662-95720-2  
MICROLOG 90-04203 2 fiche

Ce document présente les résultats de l'étude, les problèmes encourus et les recommandations faites au CCRIT.  
CA PS SC TE

### Création d'une image du Nouveau-Brunswick forte et positive : rapport final

Fredericton : Tourisme, loisirs et patrimoine, 1990. 253 p. L'éd. anglaise (Building a strong...) : 90-06467/3  
MICROLOG 90-05559 3 fiche

Ce document porte sur les points suivants : la recherche sur l'image, le message verbal; la fierté et la loyauté à l'égard de la province, les perceptions du public au Canada; la connaissance du Nouveau-Brunswick en dehors du Canada; le système visuel unifié; le processus et les critères de conception; l'exploration du logotype et du symbole, l'intégration de la conception; les applications; le logo-symbole recommandé; les objectifs relatifs à l'image et aux programmes recommandés; l'accroissement de la fierté à l'égard de la province; les perceptions plus positives au Canada; et la meilleure connaissance du Nouveau-Brunswick en dehors du Canada.  
AP CO PR

### Cree Board of Health and Social Services of James Bay : Annual report 1988-89

Quebec : The Board, 1989. 71 p. : ill. CSI 67225.001.  
MICROLOG 90-05103 1 fiche

The James Bay and Northern Quebec Agreement, signed on November 11th, 1975, between the Governments of Canada and Quebec as well as the Grand Council of the Crees (of Quebec), anticipated the creation of a Cree Regional Board which would be responsible for the administration of appropriate health and social services for all people, either permanently or temporarily residing in Region 10-B. This annual report reviews activities of caseloads for each Health service: nursing, professional (dept. of general medicine, family medicine programme, medical records, laboratory, radiology, dental services and pharmacy), Social Service centre and Local Community Service centre's activity reports, both coastal and inland. Also includes reports of activities on Planning, Programming, Research, Communication and General Secretariat Services. The Administrative Services' activity report rounds out the report with a financial report.  
HE NP PR QU SA ST

### Cree Hunters and Trappers Income Security Board (Quebec) : Annual report 1988-89

Sainte-Foy, Que. : The Board, 1989. 35 p. Bilingual. CSI 67195.001.  
MICROLOG 90-04729 1 fiche

This report summarizes the administrative organization of the Board and the results for the year, and includes the financial statements.  
CU NP PR QU

### A Creel census of East Blue, Gull and Two Mile lakes in the Duck Mountains with implications for stocking in Manitoba's stocked trout lakes

by H. Valiant and T.I. Smith. Winnipeg : Manitoba Natural Resources, Fisheries Branch, 1983. iii, 53 p. : ill. Bibliogr. (Manuscript report ; no. 83-21)  
MICROLOG 90-05589 1 fiche

From 1979-82, an angler creel census was carried out in the trout waters of East Blue Lake, Gull Lake, Childs Lake, Laurie Lake and Two Mile Lake in Duck Mountain Provincial Park to evaluate the effectiveness of different trout stocking procedures as measured by angler success and the percentage of stocked fish returned to the angler. This report covers the results obtained from East Blue Lake, Gull Lake and Two Mile Lake. Fish harvest from each lake was estimated using a stratified sampling design.  
FI MS PR SQ

### Créneaux de recherche et de développement pour l'avancement des technologies de transport routier de marchandises

par S. Vespa et P. Toogood. Ottawa : Transports Canada, Groupe des politiques et de la coordination, Centre de développement des transports, 1989. xxvii, 128 p. Bibliogr. L'éd. anglaise (Research and development opportunities...) : 90-01736/2.  
MICROLOG 90-04099 2 fiche

Ce rapport examine les questions du transport routier de marchandises sous l'angle technologique et dans la conjoncture actuelle. Il identifie des créneaux de recherche couvrant toute la gamme des technologies intéressant les véhicules, le conducteur, l'infrastructure routière, l'exploitation, la conformité à la réglementation et la saisie de données sur les accidents et l'exposition au risque d'accident. L'aspect évaluation et diffusion technologiques est traité sous l'angle des besoins des secteurs public et privé.  
CA SC TR

### Criminal Injuries Compensation Board, Manitoba : Annual report 1988-89

Winnipeg : The Board, 1989. 24 p. CSI 42101.001.  
MICROLOG 90-00806 1 fiche

This annual report reviews general information about the Board, and provides departmental information, relevant statistical tables and graphs, and a statement of claims costs.  
JU MS PR ST

### Criminal Injury Compensation Act of British Columbia : Annual report 1989

Richmond, B.C. : Workers' Compensation Board of British Columbia, 1990. 25 p. CSI 38161.003.  
MICROLOG 90-04456 1 fiche

Contains statistical summaries of volume of work, a summary of applications and dispositions, a list of crimes involved on awards granted, a summary of expenditures, and a list of applications by area. It also includes three



examples of actual decisions on claims.  
BC JU PR

**Criteria for identifying freshwater age from scales of chinook salmon *Oncorhynchus tshawytscha* captured in mixed-stock fisheries of British Columbia**

by F.Y.E. Yole. Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1989. viii, 46 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences, no. 1628) ISSN 0706-6457 MICROLOG 90-01672 1 fiche

Description of a new procedure based on scale characters to identify freshwater age of chinook salmon captured in mixed-stock fisheries of B.C. With the exception of recent uses of dorsal fin rays, scales are used almost exclusively to age chinook salmon, although identifying age through such means is particularly difficult due to complex life histories. The investigation was undertaken to develop a standard and reliable procedure to be used by a management-oriented scale laboratory in which large numbers of scales are read. The report describes each of the 16 scale characters observed during the last 10 years, examines the rate of occurrence of the characters on subscale of 280 scales from ocean and stream fish of known age, assesses the ability of 5 scale readers to identify the 16 scale characters, and tests the accuracy of the scale character procedure to correctly identify freshwater age.

• BC CA CF FI LS SC

**Criteria for the definition of salinity of sea water by electroconductivity with correction for temperature and pressure**

by P.N. Yerofejev, L.G. Ponomareva and A.N. Ramazin. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 56 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5396) Originally published in Russian, by the Central Scientific Research Institute of Information and Technico-Economic Research, Ministry of Fisheries, in the U.S.S.R. ISSN 0704-3716 MICROLOG 90-01511 1 fiche

Summary comparing salinity equations with methods and definitions; investigating the uncertainties of sea water composition, effects of temperature, depth and biochemical processes on electroconductivity of sea water, and delineating relationships between electroconductivity and salinity. Theoretical and empirical formulas describing this relationship are outlined, as are effects of temperature and depth on electroconductivity measured in situ and subsequently used to calculate salinity. Questions of proper static and dynamic calibration of laboratory and in situ salinometers are also discussed.

• CA CF FI SC

**Critical issues in electric power planning in the 1990s, vol. 1**

by K.M. MacRae. Calgary, Alta. : Canadian Energy Research Institute, 1989. xx, 313 p. : ill. Bibliogr. (Study, 33) Executive summary (44 p.) laid in. ISBN 0-920522-59-9 MICROLOG 90-01745 4 fiche (Available on fiche only)

Canada's electric power industry is going through some important changes in its regulatory and business environment, the effects of which will fully appear in the 1990s. This study examines those general factors which will influence its development, focusing on the critical or fundamental electric power planning issues for the next decade, the point at which major decision points occur, and how the industry will respond. The critical issues facing the industry are in the areas of trade, non-

utility generation and demand-side management, with the environment the cornerstone of the drive to increase efficiency. An electricity generation planning model of the electricity sector in Canada and the northern U.S., incorporating various generation technologies including hydro, nuclear, coal and gas was developed which gives a good indication of the comparative costs and benefits of greater electricity trade.

• CA CI EN SC

**CRITTER : a translation system for agricultural market reports**

by P. Isabelle, M. Dymetman and E. Macklovitch. Laval, Qué. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1988. 23 p. : ill. Bibliogr. French ed. (CF/ITER : un système de...) : 90-04198/1. ISBN 0-662-16543-8 MICROLOG 90-04199 1 fiche

The CRITTER system is being developed to translate agricultural market reports between English and French. It is based on a transfer model and designed to be reversible. This report describes the approach to the translation problem, the syntactical and semantic representations, the lexicon, the grammars, and the transfer.

CA PS SC

**CRITTER : un système de traduction pour les rapports sur les marchés agricoles**

par P. Isabelle, M. Dymetman et E. Macklovitch. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1988. 24 p. : ill. Bibliogr. L'éd. anglaise (CRITTER : a translation...) : 90-04199/1. MICROLOG 90-04198 1 fiche

Le système CRITTER en cours de développement sert à traduire des rapports sur les marchés agricoles entre l'anglais et le français. Il repose sur un modèle de transfert et est réversible. Les textes en langue source et cible sont décrits au moyen a) d'une représentation syntaxique de surface consistant en un arbre annoté de structures de traits, construite avec une grammaire d'extrapolation et b) d'une représentation sémantique des structures prédical/argument, avec vérification des types sémantiques, construite par composition, parallèlement avec la structure syntaxique.

CA PS SC

**Crop Insurance Act : Annual report 1987-88 -- Rev.**

Ottawa : Agriculture Canada, 1989. 11, 11 p. ill. Bilingual. CSI 21100.020. ISBN 0-662-56502-9 MICROLOG 90-02145 1 fiche

Annual report, giving an overview of the Act and its necessity, the operation of the insurance and government involvement, crops covered, participation and contributions, losses, federal financial contributions, and performance indicators.

AG CA CO SC ST

**Crop Insurance Commission of Ontario : Annual report 1988-89**

Toronto : The Commission, 1989. 13, 13 p. Bilingual. CSI 56104.001. MICROLOG 90-01643 1 fiche

Annual report of the Commission, covering responsibilities, the year in review, and federal-provincial financing. Financial statements comprise the bulk of the document.

AG CO ON PR ST

**Crop rotation studies on the Canadian prairies**

by C.A. Campbell...et al. Ottawa : Agriculture Canada, Research Branch, 1990. x, 133 p.

ill. Bibliogr. ISBN 0-660-13422-5 MICROLOG 90-04224 2 fiche

A crop rotation is a planned sequence of crops grown in recurring succession on the same area of land. The producer's choice of crop rotations is influenced by physical factors, economic considerations, and the decision-making and managerial abilities of farm managers. Long-term crop rotation studies require tremendous commitment of resources (money, land, personnel, and equipment) and are often difficult to terminate. This report summarizes the findings of Agriculture Canada's recent rotation studies in the prairies, and makes recommendations so that intelligent decisions regarding the fate of those studies can be made. Only dryland studies are discussed.

AG AL CA MS SC

**A Crop-planning process for northern Ontario forests**

by A.J. Willcocks...et al. Thunder Bay, Ont. : Ministry of Natural Resources, Northwestern Ontario Forest Technology Development Unit, 1990. xvi, 159 p. : ill. Bibliogr. (Technical report ; no. 30) CSI 56247.000 MICROLOG 90-05896 2 fiche

Crop planning in forestry consists of determining the most suitable management options from a wide array of alternative courses of action so that the objectives for a forest can be attained at the least cost. This report introduces and demonstrates the potential of a practical crop-planning process which allows the forest manager to develop silvicultural and forest-management strategies responsive to forest objectives. The report begins with an overview of the crop planning process and its major components, then illustrates the use of the process in some simple examples.

FO ON PR SC ST

**Cropping and conservation : demonstrations and applied research opportunities**

by B. Casement...et al. Edmonton : Alberta Agriculture, 1989. ii, 31 p. MICROLOG 90-02901 1 fiche

Series of suggestions for those farmers who wish to know and understand more conservation-minded methods of farming. Issues covered include handling crop residues, pest control with reduced tillage, soil fertility, soil structure maintenance and improvement, managing spring moisture, effective snow management, and field shelterbelts.

AG AL PR SC

**Crown Investments Corporation of Saskatchewan : Annual report 1989**

Regina : The Corporation, 1990. 28 p. CSI 72102.001. MICROLOG 90-05817 1 fiche

The Corporation is responsible for monitoring and evaluating Saskatchewan's investments in the commercial Crown corporation sector. Both the Board of Directors and the President give reports. Also included is information on 1989 financial performance and consolidated financial statements.

CO MS PA PR

**Crown land administration principles -- Rev.**

Victoria : Ministry of Crown Lands, Land Policy Branch, 1989. 12 p. (Occasional paper ; no. 7) ISSN 0827-7354 ISBN 0-7726-1023-1 MICROLOG 90-01340 1 fiche

Contains thirteen principles which underlie all of the Ministry's strategic and operational policies governing Crown land use. The information is based on the Crown Land Administration Manual of the Ministry of Crown Lands.

BC PR PW



**Crown land for agriculture : a review**

Inquiry into Agricultural Development on Crown Land in British Columbia. Kamloops, B.C. : The Inquiry, 1989. ii, 99 p. Bibliogr. Mr. David W. Gillespie, commissioner. MICROLOG 90-03060 2 fiche

Since 1963, the Ministry of Crown Lands has administered a program to provide Crown land to the public for 'extensive agriculture', defined as the use of Crown land for soil bound cultivation, production and harvest of livestock, cereal and forage crops, vegetables or fruit. Individuals receive a lease tenure containing a purchase option and after a specified amount of agricultural development, the land may be purchased by the leaseholder. In June 1989, an inquiry was begun into the program to identify issues associated with existing agricultural development of Crown land, to determine if additional Crown land should be made available for agricultural development, and if so to identify the most effective methods for agricultural Crown land disputes. This report presents the findings of the inquiry, including a history of the program, narrowing access, the question of resource rents, determination of the suitability of Crown land for agriculture, and intensified land management. AG BC PR PW SC

**CRSSS de la Côte-Nord (Québec) : Rapport annuel 1988-89**

Québec le Conseil, 1989. 74 p. CSI 67219 001. ISBN 2-89003-030-X MICROLOG 90-05092 1 fiche

Ce rapport annuel résume les activités du CRSSS de la Côte-Nord au 31 mars 1989. On a présenté d'abord une vue d'ensemble de l'année, ensuite les activités ont été regroupées en 5 rubriques: santé communautaire, gestion de programmes, services aux établissements, communications; et services administratifs. On retrouve aussi les états financiers du Conseil et une liste des établissements de santé et de services sociaux de la Côte-Nord. IIE MU PR QU SA

**CRSSS de Québec (Québec) : Rapport annuel 1988-89**

Québec le Conseil, 1989. 60 p. : ill. CSI 67231 001 MICROLOG 90-06542 1 fiche

Le rapport annuel du CRSSS de Québec comprend 5 parties: une présentation de la région desservie et des besoins de la population, un aperçu des programmes et des services, un portrait de l'utilisation des ressources humaines, matérielles et financières; la situation des services régionaux; et les perspectives pour 1989-90. IIE MU SA ST

**Cruise details and biological information from the shelf rockfish sampling cruise aboard the FV Eastward Ho, October 31-November 24, 1988**

by G.E. Gillespie and R.D. Stanley. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 46 p. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2045) ISSN 0706-6473 MICROLOG 90-03438 1 fiche

The major species of the B.C. shelf rockfish fishery are yellowtail rockfish, silvergray rockfish, and canary rockfish. Stock assessment and management options for these species are based on historical landing statistics and analyses of biological information from commercial and research samples. The primary purpose of this cruise was to collect biological samples of these 3 species from all management sub-areas of Queen Charlotte Sound and northwestern Vancouver Island. This report presents the preliminary results of

the cruise.

• BC CA CF FI LS SC

**The Cruise missile and cruise missile testing in Canada**

Ottawa : Canadian Institute for International Peace and Security, 1988. 2 p. Bibliogr. (Factsheet ; 3) French ed. (*Les Missiles de croisière...*) on the same fiche. ISBN 0-662-16401-6 MICROLOG 90-01978 1 fiche

The cruise missile is a guided missile that resembles a pilotless airplane. It is powered by a jet engine and can carry a conventional or nuclear warhead. The cruise missile of today is a descendant of the V-1 'Buzz Bomb' used by Nazi Germany during World War II. These bombs had a range of over 200 kilometres and were fired against Allied targets. This document presents a synopsis of Canada's experience with cruise missile testing, including an explanation of cruise missiles and variants, the need for them and Canada's involvement in testing.

• CA CI EX

**CSA comparative sample program : sample no. 42, test results**

by K.E. Painter. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1988. 8 p. (Report ; MSL 88-37(IR)) MICROLOG 90-03950 1 fiche

Results obtained from the testing of cement no. 42, a normal Portland cement, Type 10, blended and prepared from a 360 kg cement stock. Testing was done in compliance with the Canadian Standards Association committee on hydraulic cements.

• CA CM NR PS SC

**CTD data collected during the survey of a Mediterranean salt lens**

by D. Hebert...et al. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 379 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 61) ISSN 0711-6721 MICROLOG 90-05164 4 fiche

An eddy of Mediterranean water (commonly known as a Meddy or Mediterranean salt lens) was tracked for 2 years in the eastern North Atlantic. During this period, 4 conductivity-temperature-depth (CTD) surveys were made. This report presents the CTD data collected during the 4 surveys as vertical profiles of salinity, O1 and O1.

• AP CA CF NR PS SC

**Cultural interaction of Canadians and Ethiopian newcomers in Canada**

by A. Tebeje. Ottawa : Employment and Immigration Canada, 1989. i, 34, i, 34 p. : ill. Bibliogr. *Bilingual (Interaction culturelle entre les...)* MICROLOG 90-02890 1 fiche

Identifies the most salient and enduring values, attitudes, practices, norms and taboos in Ethiopian culture, and discusses the impact of these cultural aspects on the understanding and behaviour of Ethiopian immigrants and how this affects their interaction with Canadians. It also identifies problems in the settlement process of Ethiopians likely to result from cultural differences.

• CA CU EX

**Cultural Property Export and Import Act : Annual report 1988-89**

Ottawa : Communications Canada, 1990. 74 p. : ill. *Bilingual (Loi sur l'exportation et...)* CSI 21102 003. ISBN 0-662-57192-4 MICROLOG 90-06157 1 fiche

The purpose of the Cultural Property Export and Import Act is to preserve in Canada the best examples of Canadian heritage in movable

cultural property. This report examines the activities of the Movable Cultural Property Secretariat and the Canadian Cultural Property Export Review Board as they carry out this work. The document describes the control system, the incentive system, what grants and loans were distributed, what international agreements were in effect, and what was accomplished in the field of information and public relations. There is also a review of applications for export permits. CA CU EX

**Culture du lis de Pâques**

par M. Senécal et F. Bigras. Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, 1987. 26 p. Bibliogr. (Bulletin d'information) ISBN 2-551-06861-4 MICROLOG 90-01971 1 fiche

Le forçage du lis se fait pour la période de Pâques. La production comprend trois étapes principales qui sont la multiplication végétative, la vernalisation des bulbes et le forçage en serre. Dans ce bulletin, une plus grande attention est portée à la vernalisation, au forçage et à certains facteurs cultureux qui influencent cette production. AG PR QU SC

**Culture du pétunia**

rédigé par Jean-Claude Vigor. Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, 1988. 13 p. : ill. (Bulletin d'information) ISBN 2-550-17701-0 MICROLOG 90-01970 1 fiche

Ce document aborde les domaines suivants: les cultivars; les étapes du semis au repiquage, et du repiquage à la vente; la durée totale de la production; les ravageurs; les insectes; et les maladies. AG PR QU SC

**Culture maraîchère, 1988**

réalisée par Denis Belzile. Québec : Bureau de la statistique du Québec, Statistiques des entreprises, 1989. 11 p. CSI 67131.007. MICROLOG 90-00888 1 fiche

Ce document porte sur la superficie, la production et la valeur des légumes cultivés à des fins commerciales. On y donne des renseignements sur les statistiques des cultures maraîchères, la superficie totale cultivée, la production globale et la valeur globale. AG PR QU SC ST

**Culture maraîchère, 1989**

Québec : Bureau de la statistique du Québec, Statistiques agricoles, 1990. 11 p. CSI 67131.007. MICROLOG 90-06891 1 fiche

Publication présentant la superficie, la production et la valeur des légumes cultivés à des fins commerciales au Québec. Afin de permettre au lecteur d'établir des comparaisons, les informations concernant la période de 1982 à 1988 sont aussi présentées. En ce qui a trait aux données par région, elles sont globales pour les années 1983 à 1989. AG PR QU SC ST

**CUP-1 : a certified uranium reference ore**

by J.L. Dalton and W.S. Bowman. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1986. v, 13 p. : ill. Bibliogr. (Report ; CCRMP 86-2E) ISBN 0-660-12246-4 MICROLOG 90-00164 1 fiche

Uranium in reference material CUP-1 was determined in an interlaboratory program by a variety of analytical techniques. CUP-1 was furnished from the Schwartzwalder deposit, Cotter Mines, near Golden, Colorado. The



Canadian Certified Reference Materials Project carried out the comminution, blending, bottling, and statistical analysis of the data produced by the Subcommittee's interlaboratory program. This reference material is thought to be in radiochemical equilibrium with members of the uranium-238 decay series.  
CA CM NR PS SC

#### Current Activities Forum : program with abstracts

Current Activities Forum (1989). Ottawa, Ont. : Ottawa : Energy, Mines and Resources, Geological Survey of Canada, 1989. 24, 27 p. Bilingual (Forum des travaux en cours...). MICROLOG 90-02063 1 fiche

Abstracts of talks and poster sessions given at the forum, covering climatic and environmental change, earthquakes and landslides, geochemistry, ice scour, and deep sea waste disposal in Canada and Canadian Arctic waters.  
• CA EV NR PS SC

#### Current meter, CTD and meteorological observations on the northern Grand Banks (47N, 48W) for April-October, 1986

by B. De Young and C.L. Tang. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 94 p. : ill. (Canadian data report of hydrography and ocean sciences ; no. 63) ISSN 0711-6721 MICROLOG 90-06588 2 fiche

Report presenting data collected during approximately 174 days from April to October 1986 from 3 current meter and thermistor chain moorings deployed on the northern Grand Banks. In support of this mooring program, cruises were conducted in the area from April 15-28 and October 8-21, using Batfish, CTD and Doppler current profiles. This report presents both cruise and mooring data, as well as meteorological data from a nearby oil rig.  
• AP CA CF NR PS SC

#### Current meter, meteorological, and sea-level observations for Browns Bank, Nova Scotia, April 1983 to May 1985

by R.R. Lively. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. v, 304 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 113) ISSN 0711-6774 MICROLOG 90-05158 4 fiche

Investigation of the structure and dynamics of the Browns Bank gyre, particularly the cross-isobath component of the circulation, while monitoring input to the region from the Scotian Shelf and slope water via Northeast Channel. Turbulent dispersion in the surface layers between Browns Bank and surrounding waters was also investigated. These experiments are extensions of those undertaken at Cape Sable from November 1978-April 1983. This report presents Browns Bank current meter and tide gauge data in tables and graphs for April 1983-May 1985. Auxiliary data on wind velocity and barometric pressure from the meteorological stations at Yarmouth, Shearwater and Sable Island, as well as sea levels for Halifax, Shelburne, Yarmouth and Clark's Harbour are given.  
• AP CA CF NR PS SC

#### Current research '89 : a synopsis of the 1988-89 research program at the National Water Research Institute

National Water Research Institute (Canada). Burlington, Ont. : The Institute, 1989. 47 p. : ill., maps. Bibliogr. French ed. (Recherches en cours...) : 90-06386/1 CSI 22262.100. ISBN 0-662-17167-5 MICROLOG 90-03336 1 fiche

Synopsis of research activities and publications of the Institute for 1988-89, divided by branch (lakes, rivers, and research and applications). Areas covered include nutrient-contaminant interactions, sediment-water interactions, air-water interactions, nearshore-offshore interactions, lakes restoration, river modelling, contaminants-pesticides, long range transport of airborne pollutants, ecotoxicology, groundwater contamination, analytical chemistry, hydraulics, and quality assurance. An organization chart is included.  
CA EV NR SC

#### Current research in the earth sciences : NHRI report for May 1988-April 1989

by C.S.L. Ommanney. Saskatoon, Sask. Environment Canada, Scientific Information Division, National Hydrology Research Institute, 1989. 35 p. (NHRI contribution ; no. 89036) ISSN 0838-1992 MICROLOG 90-05382 1 fiche

Brief outline of studies being undertaken by the NHRI in geochemistry, geotechnique (permafrost, snow and ice), glaciology, hydrogeology, remote sensing, and sedimentology. Listings for each project include names of researchers, research institution, publications related to the project, and objectives.  
CA NR PS SC

#### Current research in the geological sciences in Canada, May 1988 - April 1989

compiled by Thomas E. Bolton ; published for the Canadian Geoscience Council. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 86 p. (Paper ; 89-5) Bilingual (Travaux en cours dans le domaine...). CSI 22231.003. ISSN 0068-7650 ISBN 0-660-55556-5 MICROLOG 90-02032 1 fiche

Record of research in progress in Canada from May 1988 to April 1989, based on a survey conducted from January-March 1989. The research projects listed are being undertaken mainly within federal and provincial departments and universities. Abstracts are given for each listed report, broadly categorized. Coverage includes areal mapping 1:50,000 or more detailed by province, areal mapping less detailed than 1:50,000 by province, environmental geoscience, geochronology, geomathematics, geomorphology, geophysics, geotechnique, glaciology, hydrogeology, marine geoscience, mineral/energy geoscience, mineralogy/crystallography, paleontology, petrology, quaternary geology, remote sensing, sedimentology, stratigraphy, structural geology, and volcanology.  
CA NR PS SC

#### Current research, 1989

compiled and edited by C.P.G. Pereira, D.G. Walsh and R.F. Blackwood. St. John's : Government of Newfoundland and Labrador, Dept. of Mines and Energy, Geological Survey Branch, 1989. 309 p. : ill., maps. Bibliogr. (Report ; 89-1) CSI 48112.004. ISSN 0843-8972 MICROLOG 90-03903 4 fiche

Annual report of research programs in geology in Newfoundland and Labrador, divided into regional geology, economic geology, terrain sciences, geochemistry/geophysics, and general topics. Geological Survey of Canada abstracts are also included.  
AP NR PR PS SC

#### Current research, part B : eastern and Atlantic Canada

Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1990. v, 134 p. : ill., maps. Bibliogr. (Paper ; 90-1B) CSI 22231.005. ISSN 0068-7650 ISBN

0-660-55678-2  
MICROLOG 90-05876 2 fiche

Papers describing current research in Quebec and the Atlantic Provinces. Each paper includes an abstract and bibliography. Coverage includes radiocarbon dating, investigations of mineral deposits, geological mapping, seabed disturbances, seismographic interpretations, and the November 1988 earthquake in Quebec.  
AP CA NR PS QU SC

#### Current research, part C : Canadian Shield

Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1990. vi, 361 p. : ill., maps. Bibliogr. (Paper ; 90-1C) Reports are in the language of presentation, English or French (Recherches en cours, partie C). CSI 22231.006. ISSN 0068-7650 ISBN 0-660-55698-7 MICROLOG 90-05879 4 fiche

Current research being conducted in the Canadian Shield area, covering electromagnetic surveys, mineral distribution, volcanism, and tectonics. Each paper includes an abstract and bibliography.  
CA NR PS SC

#### Current research, part D : interior plains and Arctic Canada

Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1990. vi, 217 p. : ill., maps. Bibliogr. (Paper ; 90-1D) Bilingual (Recherches en cours, partie D...). CSI 22231.004. ISSN 0068-7650 ISBN 0-660-55685-5 MICROLOG 90-05178 3 fiche

Papers reporting on research projects in the interior Plains and arctic Canada. Coverage includes airborne soil surveys, use of magnetic data, aeromagnetic surveys, field investigations, effects of oil-based drilling muds on exploration geochemistry, petrographic studies, and spectroscopic studies.  
CA NO NR PS SC

#### Current research, part E : Cordillera and Pacific margin

Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1990. vii, 373 p. : ill., maps. Bibliogr. (Paper ; 90-1E) ISSN 0068-7650 ISBN 0-660-55659-6 MICROLOG 90-03559 4 fiche

Series of reports covering current geological research in the Yukon and British Columbia. The reports cover stratigraphy and mineral potential of various areas. Abstracts are given with each report.  
BC CA NO NR PS SC

#### Current research, part F : Frontier Geoscience Program, cordilleran and offshore basins, British Columbia

Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1990. vi, 157 p. : ill., maps. Bibliogr. (Paper ; 90-1F) ISSN 0068-7650 ISBN 0-660-55660-X MICROLOG 90-03552 2 fiche

Series of reports covering the stratigraphy and mineral potential of various areas of British Columbia. Abstracts are given with each report.  
BC CA NR PS SC

#### Current statistics of the Gulf of St. Lawrence and Estuary

by D.N. Gregory, O.C. Nadeau and D. Lefavre. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. vi, 178 p. : maps. (Canadian technical report of hydrography and ocean sciences ; no. 120) ISSN 0711-6774 MICROLOG 90-02757 2 fiche

Summary of all of the moored current data for the Gulf of St. Lawrence and Estuary available from the Bedford Institute of Oceanography and



the Maurice Lamontagne Institute from 1963-88. The report includes tables of the maximum observed speed, magnitude and direction of the vector mean current, and the magnitude and orientation of the maximum and minimum axes of variability. The variability is reported in both the tidal and sub-tidal (low frequency) ranges. The same information is also presented in a series of maps subdivided into 3 layers. The primary maps separate the St. Lawrence system into the Gulf and Estuary. Secondary maps describe specific regions such as the Gaspé Current, Strait of Belle Isle and Cabot Strait.

• AP CA CF SC

#### Current statistics of the Scotian Shelf and Slope

by D.N. Gregory and P.C. Smith. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 197 p. : maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 106) ISSN 0711-6774 MICROLOG 90-05152 3 fiche

Statistical summary of all of the moored current data for the Scotian Shelf held by the Bedford Institute of Oceanography. Included in the data set are 672 separate deployments representing over 2000 data months of observations. Arranged by month and blocked by one-degree squares, the report includes, for all deployments, tables of the maximum observed speed, magnitude and direction of the vector mean current, and the magnitude and orientation of the maximum and minimum axes of variability. The variability is reported in both the tidal and sub-tidal (low-frequency) ranges. The same information is also presented in a series of maps subdivided into 3 layers (less than 30 metres, 30-80 metres and greater than 80 metres).

• AP CA CF NR PS SC

#### Currents and temperature data from northwestern Baffin Bay, September, 1983-September, 1984

by C.K. Ross. Dartmouth, N.S. Bedford Institute of Oceanography, 1990. viii, 227 p. : ill., maps. (Canadian data report of hydrography and ocean sciences ; no. 78) ISSN 0711-6721 MICROLOG 90-04318 3 fiche

Statistical and graphical description of the moored current meter and satellite-tracked data collected from September 1983 to September 1984 in northwestern Baffin Bay. Current meter data is presented as means over the length of the record and monthly means, ranges and standard deviations; time series plots of the hourly data and low pass filtered data, progressive vector plots; and tidal constituents and spectra of velocity components. The satellite-tracked drifters are presented as listings of twice daily positions and track plots of each drifter, as well as composite plots of all drifter tracks for 20-day periods.

• CA CF FI NO SC

#### Currents and temperature data from southwestern Baffin Bay, October, 1984-October, 1985

by C.K. Ross. Dartmouth, N.S. : Bedford Institute of Oceanography, 1990. vii, 180 p. : ill., maps. (Canadian data report of hydrography and ocean sciences ; no. 79) ISSN 0711-6721 MICROLOG 90-04317 2 fiche

Statistical and graphical description of the moored current meter and satellite-tracked data collected from October 1984 to October 1985 in southwestern Baffin Bay. Current meter data is presented as means over the length of the record and monthly means, ranges and standard deviations, time series plots of the hourly data and low pass filtered data; progressive vector plots, and tidal constituents and spectra of velocity components. Satellite-tracked drifters are presented as listings of

twice daily positions and track plots of each drifter, as well as composite plots of all drifter tracks for 20-day periods.

• CA CF FI NO SC

#### Curriculum pilot project directory, 1989-90

Fredericton : Dept. of Education. Program Development and Implementation Branch, 1989 39 p. MICROLOG 90-01599 1 fiche

This document lists the subject area, the program or material, the grade level of the course, and the school for current curriculum projects.

AP ED PR

#### The Custom milling of industrial minerals in B.C. : a study of commercial feasibility

by B. Ainsworth. Vancouver, B.C. : Ainsworth-Jenkins Holdings Inc., 1989. i, 24 p. : ill. Bibliogr. Funded under: The Canada-British Columbia Mineral Development Agreement. MICROLOG 90-00189 1 fiche

The custom processing of industrial minerals involves simple size reduction, classification, storage and packaging. No beneficiation and therefore virtually no waste disposal is undertaken. Site location is usually at a transportation nexus, where water, rail and highway systems join. This review looks at the potential sources of supply and markets for industrial minerals in the province to identify what might become feed material for such a plant. Three custom processing sites were visited in Britain and Holland to assess the physical requirements and to obtain opinions of operators as to the potential for success in similar operations in a B.C. location, as well as to their level of interest in participating in a start-up operation in B.C. The report outlines the similarities and differences of structure between the European operations and describes the limitations and potential for custom processing in B.C. Recommendations are made as to the types of minerals/products that would be reasonable to consider for processing and the markets that have potential for access.

• BC CA CO NR PS SC

#### Custom rates survey : crop and pastureland lease and rental : final report, 1990

Edmonton : Alberta Agriculture, Statistics Branch, 1990. 34 p. CSI 34101.016. MICROLOG 90-06892 1 fiche

Annual survey of rates charged by custom operators and dealers. Rates are given by region and county for cropland and pastureland, and include provincial grazing reserves for cattle and sheep and pasture for horses.

AG AL CO PR SC

#### Custom rates survey : fertilizer and herbicide applications and grain seeding, 1990

Edmonton : Alberta Agriculture, Statistics Branch, 1990. 25 p. CSI 34101.014. MICROLOG 90-06893 1 fiche

Annual survey of rates charged by custom operators and dealers. Rates are given by region and county for fertilizer application, herbicide application, and crop seeding.

AG AL CO PR SC

#### Custom rates survey : grain harvesting operations, 1989

Edmonton : Alberta Agriculture, Statistics Branch, 1989. 19 p. CSI 34101.023. MICROLOG 90-03594 1 fiche

Survey of rates for grain harvesting operations, obtained by contacting custom operators and dealers. The rates represent actual charges,

although some may be good neighbour rates rather than commercial charges. The survey covers swathing, grain drying, combining and hauling to the bin, and grain hauling.

AG AL CO PR

#### Custom rates survey : haymaking and silage making operations, 1989

Edmonton : Alberta Agriculture, Statistics Branch, 1989. 18 p. CSI 34101.015. MICROLOG 90-03595 1 fiche

Survey of custom rates for haymaking and silage making operations, obtained by contacting custom operators and dealers. The rates represent actual charges, although some may be good neighbour rates rather than commercial charges. Rates cover complete and semi-complete silage, bagged silage, single silage making, complete and semi-complete haymaking, and single haymaking.

AG AL CO PR

#### Custom rates survey : land clearing and breaking operations, 1989

Edmonton : Alberta Agriculture, Statistics Branch, 1989. 11 p. CSI 34101.012. MICROLOG 90-02948 1 fiche

Annual survey of custom rates for land clearing and breaking operations, representing actual charges, although some charges may be good neighbour rates rather than commercial rates.

AG AL CO PR

#### Custom rates survey : livestock operations, 1989

Edmonton : Alberta Agriculture, Statistics Branch, 1989. 14 p. CSI 34101.011. MICROLOG 90-02949 1 fiche

Annual survey of custom rates for livestock operations based on actual charges, some of which may be good neighbour rates rather than commercial rates. Rates are given for corral cleaning, grain processing, livestock hauling, feeding, fencing operations, fence removal and post pounding.

AG AL CO PR

#### Custom rates survey : tillage operations, 1989

Edmonton : Alberta Agriculture, Statistics Branch, 1989. 6 p. CSI 34101.017. MICROLOG 90-02947 1 fiche

Annual survey of custom rates for tillage, based on actual charges, although some rates may be good neighbour rates rather than commercial rates. Rates are given by region, county, cost per acre, type of operation, equipment, and land type.

AG AL CO PR

#### Custom rates survey summary, 1990 : a budget guide for 1990 custom rates

Edmonton : Alberta Agriculture, Farm Business Management Branch, 1990. 22 p. CSI 35150.004. MICROLOG 90-05838 1 fiche

The objective of this publication is to organize and report 1989 custom rates for certain custom operations on the farm. It reports what is being charged, not what should be charged. The sample size is often small and thus, reported rates should only be used as a general indication of rates that are being charged for the various custom operations in Alberta.

AG AL CO PR

#### CWARC's research and development program in machine-aided translation

by P. Isabelle and E. Macklovitch. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1988.



2 p. ISBN 0-662-16412-1  
MICROLOG 90-04186 1 fiche

Description of the R&D program, based on machine translations of specific and limited texts such as weather reports or stock market quotations which use a restricted sublanguage.  
CA PS SC TE

**Cyprus : visions for the future : a summary of conference and workshop proceedings, November 1988 to June 1989**

by F. Lafrenière and R. Mitchell. Ottawa : Canadian Institute for International Peace and Security, 1990. 106 p. (Working paper ; no. 21) ISBN 0-662-17410-0  
MICROLOG 90-06510 2 fiche

This report summarizes a year-long Institute research project on the Cyprus problem which had the following goals: to provide deeper understanding of the issues and dynamics of a difficult regional conflict; to examine Cyprus as an example of nation-building in a bi-communal context; to consider the Cyprus situation as a case study in peacekeeping and peacemaking, and to develop options for increased economic cooperation, political reconciliation and regional stability.  
• CA EX

**Cyprus crustal study project : initial report, hole CY-4**

edited by I.L. Gibson...et al. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 393 p. : ill., fold. map. Bibliogr. (Paper ; 88-9) ISSN 0668-7650 ISBN 0-660-13279-6  
MICROLOG 90-02361 5 fiche

A 2 km drill hole was planned as part of the Cyprus crustal study project to sample the lower part of the Troodos ophiolite. The hole was spudded in near the base of the sheeted dyke complex to determine the intrusive and compositional relationships within the dyke complex; the nature of the dyke gabbro transition; the age relationships of the spatially associated dykes, gabbros, and plagiogranites, the chemical and mineralogical variation within the plutonic section and hence whether the intrusives are a single magnetic sequence or a number of discrete plutons; and the nature and extent of hydrothermal alteration within the dykes and gabbros. It was anticipated that the drilling results, combined with field studies of the plutonic rocks and sheeted dykes, would provide a 3-dimensional model for the lower part of the ophiolite. This report details studies of the core material and the field relationships.  
CA NR PS SC

**D.A.T.E. program report : Demonstration of Agricultural Technology and Economics, 1989**

by R.J. Miller, R.N. Kohler and D.E. Freed. Victoria : Ministry of Agriculture and Fisheries, 1990. 51 p. : ill. CS/ 38184.001. ISSN 0706-9308  
MICROLOG 90-06855 1 fiche

Annual report of the program, whose funds may be used for evaluating and demonstrating known technological advances for enhancing the production, processing and marketing of agricultural products; supporting adaptive research projects aimed at solving priority problems in agriculture; investigating production, processing and marketing systems to identify or substantiate the need for new technology; supporting mission-oriented trips; and importing expertise to assist in introducing new technology or to advise on critical problem situations. This report gives highlights of the year's activities and selected projects, as well as more detailed information on each of the projects funded.  
AG BC PR SC

**Daily vertical migrations of some crustaceans in the Baltic Sea**

by I.I. Nikolaev. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 31 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5317) Originally published in Russian, by the State Scientific and Technical Publishing House of the Food Industry at Moscow, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-02110 1 fiche

Paper on the migrations of mysids in the Baltic Sea, particularly such quantitative characteristics as the time of the diurnal (benthopelagic) and nocturnal (pelagic) phases of distribution in different seasons, and the rate and span of the vertical migrations.  
• CA CF FI LS SC

**Darlington larval fish and egg incubation studies, 1985 to 1988**

by J.S. Griffiths. Toronto : Ontario Hydro, Research Division, 1990. vii, 88 p. : ill. Bibliogr. (Report ; no. 90-19-K)  
MICROLOG 90-06096 1 fiche

Studies to assess the effects of Darlington Nuclear Generating Station on the reproduction of cold-water fish, particularly round whitefish, have been an important component of preoperational aquatic studies from 1984-88. Spring sampling for round whitefish larvae was conducted in the vicinity of the discharge diffuser and the condenser cooling water intake from 1985-88. Sampling with paired 0.5 m tow nets (surface and mid-depth) and the benthic sled was conducted from mid-April to late May. Larval drift nets were operated during 1987 at the intake locations at 5 m and 7 m from April 23-May 22. Assessment of larval fish entrainment is also part of the Darlington aquatic study. During the preoperational phase, larval fish samples were collected twice per week from mid-April to mid-August 1986 in the vicinity of the intake. During 1986 entrainment sampling, alewife larvae were collected from July 22-August 14. During the winter of 1986-87, field incubation studies were conducted with round whitefish eggs at 4 locations. The study will be repeated at 2-unit and 4-unit levels of operation to assess effects of the station on round whitefish hatch times and egg survival.  
EN EV FI ON PR SC

**Darlington NGS unit 2 : vibration monitoring of liquid relief valves PV-35 and PV-36**

by H.L. Anderson. Toronto : Ontario Hydro, Research Division, 1989. i, 33 p. : ill. (Report ; no. 89-101-K)  
MICROLOG 90-00417 1 fiche

Vibration monitoring was performed on 2 liquid relief valves and their associated piping during Unit 2 commissioning at Darlington Nuclear Generating Station. The vibration monitoring was performed to confirm that design modifications to the piping would enable the system to withstand the forces created by their operation.  
EN ON PR PS SC

**A Data acquisition system for residential magnetic field source characterization**

by K.E. Donnelly. Toronto : Ontario Hydro, Research Division, 1989. 46 p. : ill. (Report ; no. 89-173-K)  
MICROLOG 90-03517 1 fiche

Ontario Hydro's electric and magnetic field risk assessment program includes an investigation of the sources of magnetic fields in Ontario residences to establish the factors which determine the level of magnetic field exposure and their prevalence, contribute to the development of improved surrogate measures for epidemiological investigations and suggest methods of reducing high values of field

exposure, if required, by changes in grounding and distribution. This report describes the designing and building of a data acquisition system for a project to characterize the sources of residential magnetic fields. The instrument is portable computer based, and has 3 current monitoring channels, a 3-axis magnetic field probe, and an auxiliary magnetic field coil to monitor fields from inaccessible currents. Data on harmonics and phases are obtained and it is capable of recording unattended for extended periods of time.  
EN ON PR PS SC

**Data analysis of 1986 and 1987**

**Hecate Strait juvenile salmon surveys**

by B.J. Waddell, M.C. Healey and J.F.T. Morris. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. xi, 65 p. : ill., maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1719) ISSN 0706-6457  
MICROLOG 90-03426 1 fiche

Analysis of juvenile salmon data collected during surveys in Hecate Strait in the summers of 1986 and 1987 to gather information on the abundance, species composition, size composition, and diet for validation of a migration model. The model predicts juvenile salmon abundance, size, and food resources requirements in Hecate Strait, based on assumptions about smolt production, growth rates, mortality rates, run timing, migration speed, and the migration route, for each species from 6 B.C. coastal regions. If the model is validated, it will assist in evaluating how Hecate Strait is used as a migration corridor and rearing area by juvenile salmon. Juvenile salmon sex ratios, size composition, length-weight relationships, and interspecific correlations of size and catch rate among purse seine sets are all discussed in the report.  
• BC CA CF FI SC

**Data from fisheries for Arctic charr, Kuujua River and Holman areas, Victoria Island, Northwest Territories, 1966-87**

by P.N.B. Lewis, A.H. Kristofferson and D.I.I. Dowler. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1989. iv, 17 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 769) This is the 42nd Data Report from the Central and Arctic Region, Winnipeg. ISSN 0706-6465  
MICROLOG 90-02017 1 fiche

The domestic fishery for Arctic charr of the Kuujua River was monitored from 1966-78 and the sport fishery from 1966-75. Data were collected on harvest levels and some measures of effort were obtained. Biological data on the stock were collected from the domestic fishery in 1978 and again in 1987. Tagging studies were carried out on the Kuujua River in 1969 and at Safety Channel in 1983. This report reviews and summarizes the information obtained to date on the Kuujua River Arctic charr stock, including the biological data collected during the 1982 and 1983 test fisheries in Safety Channel.  
• CA CF FI NO SC

**Data from the commercial fishery for Arctic charr, *Salvelinus alpinus* (L.), in the Central and Keewatin regions of the Northwest Territories, 1987-88**

by G.W. Crader and D.B. Stewart. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1989. vi, 47 p. : ill. (Canadian data report of fisheries and aquatic sciences ; no. 766) This is the 41st Data Report from the Central and Arctic Region, Winnipeg. ISSN 0706-6465  
MICROLOG 90-00973 1 fiche



Biological samples from commercially caught anadromous Arctic charr were collected during 1987 and 1988 from Baker Foreland, Chesterfield Inlet (Fish Bay), Copperneedle River, Coppermine River, Corbett Inlet, Ekalluk River, Ellice River, Ferguson River, Halovik River, Jayco River, Lauchlan River, Maguse River, Paliryuak River, Pistol Bay, Rankin Inlet, Robinhood Bay, Stony Point and Wilson Bay. Harvest figures, age, length, and weight data from these and other fisheries are given, along with data on daily catch, fisherman participation, and harvest by individual fishermen from Cambridge Bay, Chesterfield Inlet, Rankin Inlet, Whale Cove, and Arviat (formerly Eskimo Point).

• CA CF FI NO SC

**Data from the commercial fishery for Lake Whitefish, *Coregonus clupeaformis* (Mitchill), on Great Slave Lake, Northwest Territories, 1985, 1986 and 1987**

by G. Low, C.J. Read and D.S. Watson. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1989. v, 51 p. (Canadian data report of fisheries and aquatic sciences ; no. 761) This is the 40th Data Report from the Central and Arctic Region, Winnipeg. ISSN 0706-6465  
MICROLOG 90-00972 1 fiche

Data from the fish plant sampling program and winter fishery observations on the Great Slave Lake, including production figures for whitefish and other species. A total of 7,480 lake whitefish were sampled for length, weight and age. Sixty-nine nets (6,279 m) were observed for catch and effort during the winter fishery observation program.  
CA CF FI NO SC

**Data on seal distribution in the Greenland Sea depending on the position of the ice edge**

by O.C. Mikhnevich and V.A. Potelov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 9 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences, no. 5205) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-02704 1 fiche

Both harp (Greenland) and hooded seals are typical pagophiles, needing a hard substrate in the form of ice for rest, parturition, nursing their young, and moulting. Observations have shown that seals in both their postpartum (hood and harp seals) and moulting (harp seals) periods lie on top of ice of different origin, thickness and density. The open pack ice on the boundary of the East Greenland current and in the stream of the Jan Mayen current are favoured for the nursing of pups. This paper reports on a rookery on Arctic ice directly in the stream of the East Greenland current. Observations were conducted from March 16-18, 1962.

• CA CF FI LS SC

**Data security in office automation : an exploratory study of issues and concerns arising out of the Office Communications Systems (OCS) program**

by J.V.T. Knoppers. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1987. 46 p. Bibliogr. French ed. (Sécurité des données...) : 90-05466/1. Revised and reissued for the International Electronic Information Forum.  
MICROLOG 90-05470 1 fiche

Report identifying data security issues arising from office automation in the federal government and identifying, in a preliminary fashion, parallel or ensuing issues in the

private sector. The report does not address national security information, nor does it address other security issues relating to the increased use of high technology. The study involved an analysis of existing field trials in application, information content and discussion/interviews with field trial participants. Existing, new and draft legislation, government security and information management policies and related materials pertinent to office automation and data security issues and concerns are reviewed. Since the purpose of the field trials is to assist Canadian suppliers in providing services, a preliminary discussion on the links between data security requirements of the federal government and those of the private sector was undertaken.  
CA LA PS SC TE

**DATAGUN : dynamic tank gun analysis utility : software user's manual**

by J.S. Bird and T. Nguyen. Ottawa : Defence Research Establishment Ottawa, 1989. vii, 22 p. : ill. Bibliogr. (Technical note ; no. 89-27)  
MICROLOG 90-03326 1 fiche

Description of an interactive software package that can be used for preliminary signal processing of recorded sensor data. The program, written in VAX FORTRAN, performs such operations as digital filtering, integration, and estimation of power spectra and correlation functions. It was developed to assist in the preliminary analysis of some recorded sensor data from a set of field trials on the gun dynamics of a Leopard C1 tank.

• CA EX PS SC

**Dauphin Lake : opportunities for restoration**

Winnipeg : Manitoba Natural Resources, 1989. 17 p. : ill., maps. On cover: For Advisory Board consideration.  
MICROLOG 90-02364 1 fiche

The health of the Dauphin Lake Basin is in jeopardy because of unchecked runoff and siltation of the lake and its spawning streams. As a result of these problems, an important fishery is threatened and tourism, fisheries, wildlife and other economic opportunities have suffered declines. This report describes the basin; discusses the key issues of lake regulation, siltation, water quality, and fisheries; gives some suggestions of both present and future actions; and identifies those municipalities and committees concerned.

EV MS PR SC

**Dawson Creek (B.C.) : Financial statements, 1989**

Dawson Creek, B.C. : The City, 1990. 30 p. CSI/89510.001.  
MICROLOG 90-04921 1 fiche

This document contains the auditor's report for the City along with balance sheets and statements equity in various assets, surplus, revenue and expenditure, reserve, and changes in cash position for the year.  
BC MU PA

**Day programs and respite programs for frail elderly persons, persons with dementia and their caregivers : a survey**

by D. Flett ; conducted for the Elderly Services Branch, Ontario Ministry of Community and Social Services. Toronto : DPA Group Inc., 1990. ix, 193 p.  
MICROLOG 90-05442 3 fiche

Presents the survey results in two parts: the first discusses day programs, and the second, respite programs. Each part states the objective and describes the province-wide data.  
ON PR SA

**De la protection des enfants au soutien des parents : avis**

Québec : Gouvernement du Québec, Conseil des affaires sociales, 1990. 23 p. : ill. Bibliogr.  
MICROLOG 90-04855 1 fiche

Depuis une dizaine d'années, la situation des enfants victimes de mauvais traitements est mieux connue de la population, en partie à cause de l'impact des campagnes de sensibilisation faites dans les écoles et les garderies. Ce document étudie la question en se penchant sur la négligence, les causes, les interventions, l'orientation à privilégier et les recommandations.

BS PR QU SA SC

**Death and dying and the living will**

Victoria : Ministry of Health, Special Advisory Committee on Ethical Issues in Health Care, 1989. 11 p.  
MICROLOG 90-03075 1 fiche

The living will is a signed declaration made by a competent adult that directs physicians regarding the type of medical treatment desired during the terminal phase of illness. Three appendices cover the intent of the living will, the extent of studies of the living will, and the various problems in health care that it attempts to solve.

BC HE JU PR

**Death and dying in long term care facilities : operational guidelines**

by P. Ngan. Victoria : Ministry of Health, Continuing Care Division, 1989. 26 p. ISBN 0-7726-1012-6  
MICROLOG 90-03084 1 fiche

This document provides a basis for each long-term care facility to develop policies and procedures with regards to death and dying. 'Degree of intervention' (DI) orders, client competence and client-family-staff conferences to discuss DI are covered.

BC HE PR

**Death and dying in long term care facilities : report**

by P. Ngan. Victoria : Ministry of Health, Continuing Care Division, 1989. 18 p. ISBN 0-7726-1011-8  
MICROLOG 90-03085 1 fiche

Presents a summary paper which gives the background to the subject and summarizes key issues. It also provides a set of recommended guidelines established after evaluation of the following documents: Death and Dying in the Long Term Care Facilities, Joint Statement on Terminal Illness; Living Will documents, Do-Not-Resuscitate Orders, and literature on natural death legislation.

BC HE PR

**A Decade of achievement : environment and energy research and development**

Hull, Que. : Environment Canada, Science and Energy Branch, 1989. 28, 28 p. : ill. Bilingual (Dix années de succès...). ISBN 0-662-56493-6  
MICROLOG 90-02366 1 fiche

This report describes major projects undertaken during the last 10 years, including programs on all aspects of the environmental impact of exploring, operating and extracting petroleum reserves from the Western Basin, including the recycling of water used in the in situ heavy oil extraction process, and land treatment disposal of oilfield wastes. Programs dealing with the safe design of offshore oil and gas facilities include wind and wave hindcasting in the Beaufort Sea, icing on offshore structures, understanding ocean storms, and a remote-sensing monitor for spills. Programs in sustainable energy development include the



appointment of a central carbon dioxide coordinator and flux measurement of gases in the atmosphere. Renewable energy programs concentrated on solar radiation data analysis, the development of the R-2000 home, a computer generated analysis of wind flow over a hill, and a Darrieus wind turbine at Cap-Chat. Demonstrations of resource and energy conservation include reuse of sewage sludge and of municipal solid waste, as well as research in the pulp and paper industry to increase internal energy production and decrease the total discharge of pollutants. CA EN EV SC

#### DeCew Falls GS : Beaver Dams Pumphouse concrete condition survey

by E.J. McColm. Toronto : Ontario Hydro, Research Division, 1989. i, 19 p. : ill. (Report ; no. 89-181-K) MICROLOG 90-00418 1 fiche

A concrete condition survey of the Beaver Dams Pumphouse was conducted. The survey included the drilling of concrete cores to assess the quality of the concrete and to provide specimens for laboratory testing. Visual observations were also made to determine the extent of concrete deteriorations. The field work, consisting of the drilling and visual observations, was carried out from May 8-10, 1989. The results of the survey, including laboratory testing of specimens, are summarized in this report. EN ON PR PS SC

#### Les Déchets dangereux au Québec : orientations : document de consultation

Montréal : Gouvernement du Québec, Bureau d'audiences publiques sur l'environnement, Commission d'enquête sur les déchets dangereux, 1990. xii, 206 p. ISBN 2-551-14067-6 MICROLOG 90-04805 3 fiche

Ce document dresse le bilan de la première phase d'information et de consultation sur les déchets dangereux. On y trouve un compte rendu des préoccupations et des opinions exprimées par les participants aux rencontres organisées par la Commission lors de sa tournée. Après quelques réflexions sur le mandat de la Commission, on y fait également état de démarches effectuées par la Commission pour donner suite à certaines demandes reçues ou pour approfondir une connaissance de diverses situations qui ont été portées à son attention. Finalement, le document expose les orientations de la Commission et propose un train de mesures visant à établir la base d'un nouveau pacte environnemental. EV PR QU SC

#### Les Déchets dangereux au Québec : situation et enjeux : document d'information et de consultation

Montréal : Gouvernement du Québec, Bureau d'audiences publiques sur l'environnement, Commission d'enquête sur les déchets, 1989. 87 p. : ill. Bibliogr. ISBN 2-550-20144-2 MICROLOG 90-04470 1 fiche

Les quatre premiers chapitres de ce document s'attachent à décrire les différentes facettes du problème en faisant le portrait de la situation, puis en développant ses composantes environnementales, sociales et économiques. Les trois chapitres suivants s'attachent aux méthodes qu'adoptent habituellement les sociétés pour prendre en charge le problème des déchets dangereux, soit par la voie technologique, juridique et administrative. La conclusion résume et regroupe les questions et les enjeux soulevés tout au long du document. EV PR QU SC

#### Les Déchets dangereux au Québec : situation et enjeux : document d'information et de consultation : synthèse

Québec : Gouvernement du Québec, Bureau d'audiences publiques sur l'environnement, 1989. 33 p. Bibliogr. *L'éd. anglaise (Hazardous waste in Quebec...)* sur la même fiche. ISBN 2-550-20145-0 MICROLOG 90-02516 1 fiche

Ce document trace le portrait global de la situation, puis en examine les principales composantes - environnementale, sociale et économique - pour enfin décrire les approches habituellement adoptées par les sociétés pour gérer leurs déchets dangereux, soit les avenues technologique, juridique et administrative. Enfin, une brève conclusion synthétise et regroupe les questions et les enjeux soulevés tout au long du document. CI EV PR QU SC

#### Deciding the future of our health care : an overview of areas for public discussion

Toronto : Ministry of Health, 1989. iv, 34 p. *Executive summary (8 p.) laid in* MICROLOG 90-05038 1 fiche

This paper outlines the areas where the government is setting new directions in evolving the health care system. It is aimed at educating and generating the participation of consumers and health care providers in this process. HE ON PR

#### A Decision-support system for pavement management at the network level

by M. Gendreau and L.-P. Duclos. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 17 p. Bibliogr. (Publication ; no. 692) *This paper was presented at the 69th Transportation Research Board Meeting* MICROLOG 90-06642 1 fiche

To improve the planning mechanisms of highway maintenance and rehabilitation, many agencies have resorted to pavement management systems built as simple optimization models. These models are generally inadequate because they are too inflexible. The core of the proposed system is a general Markov decision process structure in which administrative divisions of the highway network (regions, districts) are explicitly taken into account. This basic structure is stated in an equivalent linear programming format which then allows for the addition to the model of various linear constraints. The other fundamental element of the system is a formal descriptive framework which is made up of a network language and a scenario language. This paper describes both languages, the general Markov decision process structure, and the current computer implementation of the system. Planned future developments are also outlined. PR PS QU SC TR

#### Déclaration de principes de la Commission ontarienne des droits de la personne sur les exigences en matière de poids et de grandeur

Commission ontarienne des droits de la personne. Toronto : Ministère des affaires civiques, 1989. 4, 4 p. *Bilingue (Ontario Human Rights...height...)*. ISBN 0-7729-5964-1 MICROLOG 90-03270 1 fiche

On prévoit parfois des exigences en matière de poids et de grandeur en vue de sélectionner ou d'évaluer les candidats à divers postes. La politique de la Commission en ce qui a trait à une telle pratique est présentée

dans ce document et s'applique à toutes les exigences en matière de poids et de grandeur aux fins d'emploi. JU ON PR

#### Déclaration de principes sur la planification de la gestion des terres marécageuses : directives de mise en oeuvre

Ontario. Ministère des richesses naturelles. Toronto. Ministère des richesses naturelles, 1989. 30, 30 p. *Bilingue (Wetlands planning...)* ISBN 0-7729-5134-4 MICROLOG 90-03260 1 fiche

Les terres marécageuses constituent des écosystèmes complexes présentant de nombreuses caractéristiques d'ordre environnemental qui leur confèrent leur grande diversité et qui rend chacune d'elle unique. Comme les terres marécageuses peuvent être touchées par une modification de leur environnement immédiat, la méthode de planification ou de gestion ne peut s'appliquer à toutes. L'approche adoptée dans ce document tient compte de l'environnement local et de l'esprit de la déclaration de principes du gouvernement provincial. EV ON PA PR SC

#### Déclaration de principes, terres marécageuses : projet de déclaration de principes du gouvernement de l'Ontario publié pour étude publique

Ontario. Ministère des richesses naturelles. Toronto. Ministère des richesses naturelles ; Ministère des affaires municipales, 1989. 6, 6 p. *Bilingue (Policy statement, wetlands...)*. MICROLOG 90-03261 1 fiche

Les terres marécageuses sont importantes pour l'économie ontarienne. Elles maintiennent et améliorent la qualité de l'eau, aident à contrôler les inondations, offrent un habitat à la faune et au poisson ainsi que des avantages économiques et sociaux considérables, notamment les activités de loisirs en plein air et celles reliées au tourisme. Ce document porte sur un projet de déclaration de principes du gouvernement de l'Ontario publié pour étude publique. EV ON PA PR SC

#### Déclaration de révision générale : étude d'impact sur l'environnement d'une centrale à turbine à combustion de 400 MW qu'Energie NB se propose de construire et d'exploiter à Milbank (N.-B.)

Fredericton. Environnement Nouveau-Brunswick, 1990. 5, 5 p. *Bilingue (General review statement)* MICROLOG 90-06518 1 fiche

Cette déclaration de révision générale résume les résultats d'un examen de l'étude d'impact sur l'environnement (EIE) de la centrale à turbine à combustion qu'Energie NB se propose de construire et d'exploiter à Milbank au Nouveau-Brunswick. Son but est d'évaluer si le rapport EIE répond de façon adéquate aux questions repérées dans les Directives relatives à une étude d'impact sur l'environnement. AP EN EV PR SC

#### Déclaration ministérielle de Monsieur Gérard D. Levesque, ministre des Finances, concernant l'administration de la TPS et la réforme des taxes à la consommation au Québec

Québec (Province). Ministère des finances. Québec. le Ministère, 1990. 39 p. : ill. *Annexe (93 p.) inclus. L'éd. anglaise (Statement by Mr Gerard...)* : 90-07285/2 CSI 66120.201 MICROLOG 90-07286 2 fiche

Ce document présente le sommaire de la déclaration ministérielle de Monsieur Gérard D. Lévesque, ministre des Finances, concernant



l'administration de la TPS et la réforme des taxes à la consommation au Québec.  
CO PR QU

**Décret 115-89 concernant l'approbation du plan quinquennal d'investissements universitaires : pour la période du 1988-93**

Québec : Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement et de la recherche universitaires, 1989. 83 p. *CSI 66131.006*. ISBN 2-550-19501-9  
MICROLOG 90-02790 2 fiche

Ce document se penche tout d'abord sur le sommaire de la contribution du ministère et des autres sources de financement, par université. Finalement, il passe en revue les universités et les autres institutions scolaires majeures du Québec.  
ED PR QU

**Deer harvest report, 1989**

by A. Patton. Halifax : Dept. of Lands and Forests, 1990. 3 p. (Technical note ; no. 62) *CSI 51111.007*.  
MICROLOG 90-05288 1 fiche

Under a new data collection program, the deer harvest figures, beginning in 1989, are direct counts of deer brought to registration stations rather than by report card return. This note reports the deer harvest by week, sex, county and resident or non-resident.  
AP CU PR ST

**Defence 89**

Canada. Dept. of National Defence. Ottawa : The Dept., 1990. viii, 149, viii, 149 p. : ill. *Bilingual (Défense 89)*. *CSI 21108.001*. ISBN 0-662-57023-5  
MICROLOG 90-06840 4 fiche

Contains information on departmental estimates and expenditures, national defence operations, maritime command, mobile command, air command, communication command, Canadian Forces in Europe, the northern region, and the Canadian Forces training system.  
CA EX

**Defence Construction (1951) Limited (Canada) : Annual report 1988-89**

Ottawa : The Corporation, 1989. 32, 32 p. : ill. *Bilingual*. *CSI 22214.001*.  
MICROLOG 90-00540 1 fiche

This annual report includes 1988-89 highlights and regional reports. It reviews the North American Air Defence Modernization Program, and contains a management report, and financial statements.  
CA CO EX

**Défense 89**

Canada. Ministère de la défense nationale. Ottawa : Défense nationale, 1990. viii, 149, viii, 149 p. : ill. *Bilingue (Defence 89)*. *CSI 21108.001*. ISBN 0-662-57023-5  
MICROLOG 90-06840 4 fiche

La politique du Canada en matière de sécurité repose sur trois grands principes: défense et sécurité collective, contrôle des armements et désarmement, et règlements pacifique des conflits. Ce document se penche particulièrement sur les points suivants: le ministère de la défense nationale; les prévisions budgétaires et les dépenses du ministère; les activités particulières du ministère de la Défense nationale; le commandement maritime; la force mobile; le commandement aérien; le commandement des communications; les forces canadiennes en Europe; la région du Nord; le service de l'instruction des forces canadiennes; les ressources humaines et les programmes à l'intention du personnel; la recherche, le matériel, la construction et les autres sujets

d'intérêt, l'histoire, les nominations et les décorations; et, les unités et installations des forces canadiennes.  
CA EX

**Un Défi : la bureautique une réponse : la formation**

par J. Lyrette. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 17 p. *Bibliogr. Communication présentée dans le cadre du congrès l'Ordinateur et l'éducation. L'éd. anglaise (Training : an answer...)* : 90-05455/1.  
MICROLOG 90-05454 1 fiche

Le mot bureautique fait incontestablement partie du vocabulaire à la mode; mais quelle réalité recouvre-t-il exactement? Et en quoi cette dernière pose-t-elle un véritable défi aux entreprises? Ce document s'efforce de répondre d'abord à ces questions pour ensuite mettre l'accent sur la formation entrevue comme une véritable dimension de la bureautique. Il fait ressortir le rôle que la formation peut assumer auprès des travailleurs d'aujourd'hui, moyennant certaines conditions, et souligne enfin les attentes que l'informatisation du travail impose à l'école.  
CA LA

**Le Défi : les femmes dans les ventes**

par la Direction générale de la condition féminine de l'Ontario, et General Motors du Canada Limitée. Toronto : la Direction, 1990. 48 p. : ill. *Bibliogr. L'éd. anglaise (Meeting the challenge : women...)* : 90-04806/1  
MICROLOG 90-04807 1 fiche

Dans le cadre du programme Agents de changement, cette publication a pour but d'accroître les débouchés dans les ventes non traditionnelles pour les femmes. Elle vise deux auditoires principaux: les femmes et les employeurs. Elle dresse le portrait de sept femmes qui ont réussi une carrière dans la vente dans un secteur non traditionnel. Leur expérience, leurs réalisations et leur contribution à l'entreprise y sont également examinées.  
LA ON PR SA

**Le Défi de l'immigration**

par J.-P. Rogel. Québec : Institut québécois de recherche sur la culture, 1989. 123 p. *Bibliogr. (Diagnostic ; 9)* ISSN 0831-5264  
ISBN 2-89224-130-8  
MICROLOG 90-01968 2 fiche

Le but essentiel de cet ouvrage est d'informer et de situer les enjeux d'un problème qui fait souvent la manchette des quotidiens, mais semble assez mal connu du grand public. Il s'agit en somme, comme l'indique le titre, de poser un 'diagnostic'. Pas de remède miraculeux ni de solutions définitives, mais avant tout, des faits et des éléments d'analyse pour nourrir une réflexion.  
EX PR QU SA

**Le Défi de la concurrence mondiale : profil du commerce extérieur du Canada, 1988-89**

Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 19, 17 p. : ill. *Bilingue (Meeting the challenge of global...)*. *CSI 21103.206*.  
MICROLOG 90-00538 1 fiche

Ce document donne un compte rendu de la mise en oeuvre de l'Accord de libre-échange et d'autres développements majeurs dans le domaine du commerce extérieur. De plus, il donne des informations sur la performance du Canada dans ce domaine. Finalement, il explique comment le gouvernement aide les exportateurs canadiens à percer les marchés mondiaux.  
CA CO EX ST

**Deficiency statement respecting Goose Bay EIS : an environmental impact statement on military flying activities in Labrador and Quebec**

Ottawa : Environmental Assessment Panel Reviewing Military Flying Activities in Labrador and Quebec, 1990. 44 p. *French ed. (Enoncé des lacunes concernant...) on the same fiche*  
MICROLOG 90-04893 1 fiche

The Department of National Defence (DND) released an environmental impact statement (EIS) on military flying activities in Labrador and Quebec on October 31, 1989. This EIS was then distributed to interested parties, who commented in written submissions. This deficiency statement takes into account, among other things, the written comments of the technical specialists, government agencies, and the public. For each of the 38 deficiencies listed, minimum requirements are given to rectify it.  
CA EV EX NO SC

**Le Déficit fédéral et l'universalité des programmes sociaux**

par M.G. Wrobel. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 18 p. : ill. (Etude générale ; BP-202F) *L'éd. anglaise (The Federal deficit...) sur la même fiche*. ISBN 0-660-92707-1  
MICROLOG 90-01886 1 fiche

Dans le budget fédéral d'avril 1989, le ministre des Finances a prévu un mécanisme de récupération fiscale des allocations familiales et des pensions de vieillesse. Cette étude examine le déficit fédéral actuel et les répercussions de divers programmes universels et de diverses mesures fiscales sur la taille de ce crédit. On y examine particulièrement les points suivants: la nature du problème; les comptes nationaux et publics; les dépenses consacrées aux programmes universels; la suppression de l'universalité; les exemptions, les déductions et crédits d'impôt sur le revenu.  
CA CO PA SA

**Defining sustainable development**

by W.E. Rees. Vancouver, B.C. : University of British Columbia, Centre for Human Settlements, 1989. 8 p. *Bibliogr. (CHS research bulletin)* ISSN 0843-7882  
MICROLOG 90-00389 1 fiche (Available on fiche only)

This publication offers a working definition of sustainable development and examines some of its immediate implications. It also includes a number of definitions of sustainable development offered by government and environmental leaders, and presents a discussion of sustainable vs. traditional forms of development.  
BC EV PR SC

**Définition de l'invalidité selon le régime de pensions du Canada**

Conseil consultatif du Régime de pensions du Canada. Ottawa : Santé et bien-être social Canada, 1988. 10, 9 p. *Bilingue (Definition of disability under...)*.  
MICROLOG 90-02973 1 fiche

Dans ce rapport, on examine la détermination de l'invalidité sous tous ses aspects, y compris la structure organisationnelle et la planification du travail, l'aspect médical de traitement de l'invalidité et le processus d'appel. Le rapport compare également les grandes lignes d'action du secteur public et des Régimes de pensions Canada/Québec vis-à-vis les prestations d'invalidité et du service aux clients.  
CA CO

**Definition of disability under the Canada Pension Plan**

Canada Pension Plan Advisory Board. Ottawa : Health and Welfare Canada, 1988. 9, 10 p.



*Bilingual (Définition de l'invalidité selon...).*  
MICROLOG 90-02973 1 fiche

The role of the Board is to review the operation of the Plan, the adequacy of coverage and benefits payable thereunder, and the state of the Canada Pension Plan Investment Fund. This report examines all aspects of the determination of disability including the operational and work planning process, the medical aspect of disability processing and the processing of appeals. It compares the general policies of the private sector and the Canada/Quebec Pension Plans as they relate to disability benefits and service to clients  
CA CO

**Dégagement mécanique et manuel de jeunes plantations de conifères : étude de productivité et d'efficacité, 1983-88 : rapport synthèse, juillet 1989**

par Jean-Pierre Adam ; réalisée par le Fonds de recherches et de développement forestier, FRDF inc. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. xiv, 88 p. : ill. Bibliogr. ISBN 2-550-20023-3  
MICROLOG 90-04812 2 fiche

Ce rapport constitue une synthèse de l'étude de cinq ans sur le dégagement mécanique et manuel de jeunes plantations de conifères réalisées au Québec, entre 1983 et 1988, dans les régions administratives du Bas Saint-Laurent/Gaspésie, de Québec, et de l'Outaouais. Les résultats des principaux traitements expérimentés y sont présentés.  
FO PR QU SC

**A Degree granting institution for northern British Columbia**

British Columbia. Ministry of Advanced Education and Job Training, and Ministry Responsible for Science and Technology. Implementation Planning Group. Victoria : Minister of Advanced Education and Job Training, 1989. i, 86 p.  
MICROLOG 90-02666 1 fiche

This document contains a detailed plan for the creation of a self-governing, degree-granting institution structured specifically to meet the needs of northern B.C.  
BC ED PR

**Les Délais prescrits pour la remise de dette**

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1990. iii, 70 p. : ill. (Avis ; no 89.15) ISSN 0709-3985 ISBN 2-550-20715-7  
MICROLOG 90-04980 1 fiche

Cet avis tient en quatre grandes sections: l'identification des délais théoriques définis par les universités, appelés 'délais réglementaires', le relevé des délais réellement pris par les étudiants pour mener à bien leurs études, appelés 'délais observés'; une proposition de délais à prescrire; et une mise en perspective des effets possibles de la mesure sur le comportement étudiant et sur l'organisation des études avancées.  
ED PR QU

**Délibérations de la Société royale du Canada, 1988 : cinquième série, tome III**

Société royale du Canada. Assemblée (1988 : Windsor, Ont.). Ottawa : la Société, 1989. 67 p. Bibliogr. *Bilingue (Proceedings of the Royal...)*. CSI 22317.002. ISSN 0080-4517  
MICROLOG 90-06825 1 fiche

La Société royale du Canada est une académie nationale qui a pour objet de contribuer au développement du savoir et de la recherche

dans les arts et les sciences. Fondée en 1882 par le Gouverneur du Canada, le très honorable marquis de Lorne, elle a été constituée par la loi du Parlement canadien en 1883. La Société comprend les académies suivantes: l'Académie des Lettres et des Sciences humaines de la Société royale du Canada, et l'Académie des Sciences de la Société royale du Canada. Le document présente le tome III de la cinquième série des délibérations de la Société royale du Canada.  
CA CU ED SC

**Délibérations de la Société royale du Canada, 1989 : cinquième série, tome IV**

Société royale du Canada. Assemblée (1989 Ste-Foy, Québec). Ottawa : la Société, 1990. 78 p. Bibliogr. *Bilingue (Proceedings of the Royal...)*. CSI 22317.002. ISSN 0080-4517  
MICROLOG 90-04467 1 fiche

La Société royale du Canada est une académie nationale qui a pour objet de contribuer au développement du savoir et de la recherche dans les arts et les sciences. Ce document présente le tome IV de la cinquième série portant sur les délibérations de la Société royale du Canada pour l'année 1989. Il fournit entre autre le rapport du Secrétaire pour l'année 1988-89 et fait la présentation des distinctions.  
CA CU ED

**Demain? Rapport**

Canada. Comité consultatif sur l'avenir de la Pointe-à-Carcy. Ottawa : le Comité, 1989. 124, 124 p. : ill., cartes géogr. *Bilingue (Tomorrow? Report)*.  
MICROLOG 90-05940 3 fiche

L'histoire récente de la Pointe-à-Carcy nous offre, pêle-mêle, un exemple foisonnant de ce qu'on cherche généralement à éviter: des hectares abandonnés, des entrepôts vides, des études à la chaîne et des projets sans suite, etc. Ceci n'est pas une étude, ni un projet. Il nous a semblé que dans cette confusion générale, il s'imposait de cultiver un peu d'ordre. Dans la première partie on présente les faits, l'histoire et les attitudes des citoyens. Dans la deuxième partie, les six principes d'aménagement sont présentés, et ceci inspirent une triple vocation. Finalement, les projets particuliers sont analysés.  
CA CU QU

**La Demande de retrait du programme de techniques de la documentation au cégep de l'Abitibi-Témiscamingue**

avis au Ministre de l'enseignement supérieur et de la science. Québec : Conseil des collèges, 1989. 4 p. Bibliogr. ISBN 2-550-19645-7  
MICROLOG 90-02000 1 fiche

Le 3 février 1989, le Ministre adressait une lettre au président du Conseil des collèges pour demander un avis sur un projet visant à retirer au cégep de l'Abitibi-Témiscamingue l'autorisation de dispenser le programme de Techniques de la documentation. Cette demande d'avis faisait suite à la volonté exprimée par le cégep de l'Abitibi-Témiscamingue de ne plus offrir ce programme aux élèves de la région. Ce document donne les résultats de cette demande.  
ED PR QU

**La Demande en information gouvernementale : étude auprès des entreprises québécoises**

par R. David et A. Martin. Québec : Gouvernement du Québec, Ministère des communications, Direction générale des technologies de l'information, 1989. 27 p. En tête du titre: *Etude*. ISBN 2-550-20131-0  
MICROLOG 90-01121 1 fiche

Cette étude vise dans un premier temps à les informations nécessaires devant servir à préciser certains éléments d'orientation future du plan d'action proposé dans la politique sur la production et la diffusion des banques d'information gouvernementales. Cette enquête fournit une évaluation de la demande en information gouvernementale de même qu'une appréciation des contraintes liées à la non-utilisation. Les données du présent document ne couvrent qu'une partie de l'ensemble des résultats de l'enquête.  
PR QU SC TE

**Dementia and activities of daily living : a report on technologies and environmental design that can assist people with Alzheimer disease and related dementias**

Toronto : Ministry of Community and Social Services, Program Technology Branch, 1990. iii, 82 p. Bibliogr. ISBN 0-7729-6693-1  
MICROLOG 90-06622 1 fiche

This report looks specifically at the ways in which technology and environmental design can be used to assist persons with Alzheimer disease and related dementias with activities of daily living. It is the product of an extensive literature search as well as interviews with leading clinicians, technologists, and researchers  
IE ON PR

**Demographic change, provincial fiscal behaviour, and regional economic growth**

paper prepared for the Review of Demography and its Implications for Economic and Social Policy, Health and Welfare Canada, by William G. Watson. Montreal : McGill University, 1986. 23 p. Bibliogr.  
MICROLOG 90-01568 1 fiche

This paper is concerned with how demographic differences from province to province and region to region can affect regional rates of economic growth, both directly, by changing the skill and productivity mix of regional populations and, indirectly, by influencing the levels of regional taxes and public expenditures.  
CA CO SA

**Demographic concerns in belles-lettres : insights from the writings of Gunter Grass and Margaret Atwood**

by K.J. Krótki and G.C. Germain. Edmonton : University of Alberta, Dept. of Sociology, 1990. 12 p. Bibliogr. (Research discussion paper ; no. 61) ISSN 0317-2473  
MICROLOG 90-06443 1 fiche

When a social reality becomes first perceived by a sizeable proportion of that society's population, a question which naturally arises is whether this observation is initially confirmed by the statistics of the scientist and then spread via subsequent popular artistic forms, or whether the fact at hand is introduced by artists through their work and diffused throughout the society to be subsequently supported by the statistician. This paper exposes two novels substantively and a few other referentially to demographic analysis. The question considered is to what extent these two novels, one by Gunter Grass and the other by Margaret Atwood, recognize population decline as a veritable social concern and dire social ill in need of redress. It examines the kind and form of references to this 'social reality,' along with the differences between the male and female vantage points.  
• CA CU SA

**A Demographic profile of the British Columbia family**

Victoria : Ministry of Health, Community and Family Health Division, 1989. 60 p. : ill.



Bibliogr.  
MICROLOG 90-03837 1 fiche

Portrays statistical data based on the Canadian Census and the annual reports of B.C. vital statistics concerning the following topics: marriage, divorce, fertility trends, mobility, and single parent families.  
BC PR SA

### La Démographie et les inscriptions scolaires : une étude de cas

par P. Michaud, M. Heller et P. Quirouette.  
Toronto : Ministère de l'éducation, 1988. iv, 131 p. : cartes géogr. Bibliogr. L'éd. anglaise (*Demography and school...*) : 90-06411/2. CSI 55108 206F. ISBN 0-7729-4529-2  
MICROLOG 90-06412 2 fiche

L'objet de cette étude est double: premièrement, d'élaborer une méthodologie permettant aux conseils scolaires ontariens de réaliser des projections démographiques susceptibles de soutenir la planification scolaire surtout en ce qui concerne la langue d'enseignement, la confession et les besoins éducatifs des différents groupes socio-économiques et, deuxièmement, d'appliquer la méthodologie élaborée à la réalité d'un conseil scolaire particulier, celui du Conseil des écoles séparées catholiques de Stormont, Dundas et Glengarry.  
ED ON PR SA

### Démographie et productivité

par E. Lapiere-Acamyck, P. Lasserre et P. Ouellette. Montréal : Université de Montréal, 1989. 53 p. : ill. Bibliogr.  
MICROLOG 90-01570 1 fiche

Les relations entre l'évolution démographique et la croissance économique restent encore mal connues et ni les économistes, ni les démographes ne peuvent répondre de façon certaine à la question suivante: la stagnation démographique, voire la décroissance, peut-elle entraîner la stagnation économique? En d'autres termes, peut-on croire que le niveau de vie d'une population peut se maintenir au moment où elle s'engage dans un processus qui réduit ses effectifs? Pour mieux comprendre les relations entre l'économie et l'évolution démographique, il semble opportun de centrer l'attention sur des questions plus limitées et de tenter de les approfondir. C'est ce que ce document présente dans ce projet qui vise à examiner les mécanismes sous-jacents aux variations de la productivité.  
CO PR QU

### Demography and school enrolment : a case study

by P. Michaud, M. Heller and P. Quirouette.  
Toronto : Ministry of Education, 1988. iv, 114 p. : maps. Bibliogr. French ed. (*La Démographie et les...*) : 90-06412/2. CSI 55108 206. ISBN 0-7729-4528-4  
MICROLOG 90-06411 2 fiche

In the past few years, political, economic, and social conditions in Ontario have changed rapidly, producing, in some regions, unexpected shifts in population, adversely affecting school organization. This study develops a methodology that will enable Ontario school boards to make demographic projections in support of educational planning, especially in regard to language of instruction, denominational character, and the educational needs of various socio-economic groups. It also applies the methodology specifically to the Stormont, Dundas, and Glengarry County Roman Catholic Separate School Board.  
ED ON PR SA

### Demonstration of co-generation technology in Alberta

Edmonton : Alberta Energy, Research and Technology Branch, 1990. 13 p. : ill. Bibliogr. ISBN 0-86499-718-3  
MICROLOG 90-06962 1 fiche

This pamphlet provides short descriptions of 4 co-generation projects conducted to determine their suitability for Alberta conditions. The projects included an Edmonton district heating study; an assessment of the economics of co-generation under existing economic and capital cost conditions; the use of existing emergency generators in large buildings to reduce peak electrical demand and recover waste heat; and the installation and operation of a co-generation unit in an Edmonton commercial laundry.  
• AL CA EN PR PS SC

### Demonstration, monitoring and evaluation of practical ventilation systems for new Alberta houses

prepared by Howell-Mayhew Engineering, Inc. and Sunton Engineering, Ltd. ; for the Edmonton Home Builders' Association.  
Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. viii, 114 p. : ill. Bibliogr. ISBN 0-88654-256-0  
MICROLOG 90-05708 2 fiche

Project to develop and to undertake a field trial of a practical combustion air supply and ventilation systems suitable for use in typical new housing in Alberta, and to identify those that are most promising on the basis of cost-effectiveness, ease of understanding and operation, achievability using available hardware and reliability. Following a review and analysis of various code requirements, 8 potential methods of providing combustion air and ventilation air were developed (an economizer system, a sealed furnace room, a blower-assisted air supply, an induced draft fan, the Alberta Building Standards "Standata" system multiple air intakes and dampers, uncoupled appliances, and a heat recovery ventilator system). The systems were installed and tested in 4 nearly identical split level houses in the Edmonton area and computerized data acquisition systems were installed to collect operating and performance data on 3 of the 4 demonstration systems. The collected data was analyzed, and further special tests were carried out to evaluate resistance to backdrafting.  
AL EN PR PS SC

### A Demonstrative impact analysis of the concrete integrated container

by H.P. Lee. Toronto : Ontario Hydro, Research Division, 1990. i, 65 p. : ill. Bibliogr. (Report ; no. 89-286-K)  
MICROLOG 90-06030 1 fiche

The use of a reinforced concrete integrated container (CIC) for the dry storage, transportation and possible final disposal of irradiated fuel is currently being investigated. One major consideration is the assurance of its structural integrity in the event of an accidental drop of the container during transportation. Such an investigation can be carried out using an analytical approach where the historical response of the container during its impact onto the ground can be recorded and studied. This report demonstrates a bench mark analysis of such a drop and illustrates its response during and after impact. The investigations provided detailed information to support the design of the container; explored the capability of using an analytical approach to investigate the container; and served as a tool to support experimental drop tests such as drop orientation study and parametric study.  
EN ON PR PS SC

### Dene/Metis comprehensive land claim agreement in principle

by W. Moss. Ottawa : Library of Parliament, Research Branch, 1989. 14 p. (Background ; BP-195E) French ed. (*L'Entente de principe...*) on the same fiche. ISBN 0-660-13300-8  
MICROLOG 90-01889 1 fiche

On 5 September 1988, Canada entered into an Agreement-in-Principle (AIP) with the Dene Nation and the Metis Association of the Northwest Territories to settle the land claims of the approximately 8,000 Dene and 5,000 Metis in that area. This paper highlights provisions of the AIP, and provides some brief commentary.  
CA CI NP PA

### The Density of capelin *Mallotus villosus* muller eggs on spawning beaches in Conception Bay, Newfoundland

by C.T. Taggart and B.S. Nakashima. St. John's : Dept. of Fisheries and Oceans, Newfoundland Region, Science Branch, 1987. iv, 19 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1580) ISSN 0706-6457  
MICROLOG 90-05954 1 fiche

Fully mature capelin observed in eastern Newfoundland between Cape Frels and Cape St. Mary's migrate inshore in early summer to spawn on beaches along the coast. One source of annual spawning variation on these beaches can be attributed to temporal variation in the size and the geographic occurrence of capelin schools. This report estimated capelin egg deposition on 16 spawning beaches in Conception Bay and identified other sources of variation in egg deposition among the spawning beaches.  
• AP CA CF FI LS SC

### Dental health and fluoridation in the Northwest Territories

by C.C. Marianayagam, M.L. Murray and G.W. Heinke. Yellowknife : Dept. of Municipal and Community Affairs, Community Works and Capital Planning Division, 1988. vii, 86 p. Bibliogr.  
MICROLOG 90-02650 2 fiche

Discussion of the current status of dental health in the Northwest Territories, including existing prevention and treatment programs. The report examines various approaches to water fluoridation, compatible with the different water supply and distribution systems found in the Northwest Territories. Alternatives to water fluoridation are also investigated, including salt fluoridation, milk fluoridation, school water fluoridation, fluoride tablets or drops, and topical fluoride treatments.  
HE NO PR

### Department of Fisheries and Oceans records of annual salmon harvest by British Columbia Indians prior to 1951

by A.W. Argue...et al. Vancouver, B.C. : Dept. of Fisheries and Oceans, Program Planning and Economics Branch, 1990. x, 93 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 782) ISSN 0706-6465  
MICROLOG 90-04862 2 fiche

Files of the Dept. of Fisheries and Oceans and its predecessors were searched for records of non-commercial salmon catch by B.C. Indians prior to 1951. Approximately 1000 records were examined and Indian fishery information was extracted from 140 of these files. An annotated data base of 5,146 records was compiled. Each record contains catch (usually by species and including salmon provided by government enhancement facilities) for a single location and time period (usually annual), and includes information on capture method, data source, data collection procedures, and numbers of Indians fishing or utilizing the catch.  
• BC CA CF FI NP SC

### Dependency ratios : conventional and real

by P. Krishnan and M. Das. Edmonton : University of Alberta, Dept. of Sociology,



1990. 13 p. Bibliogr. (Research discussion paper ; no. 68) *CSI 99241.207*. ISSN 0317-2473  
MICROLOG 90-06456 1 fiche

In any introductory course on population, it is common to start with many concepts that form the basic foundation of demographic analysis. One such concept is the dependency ratio and its components. This paper evaluates this concept and sees the extent to which the conventional measure satisfies, or fails to satisfy what is expected of it.

• CA SA

### Les Dépenses fédérales : nouvelles tendances -- Rev.

par M. Wrobel. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 16 p. Bibliogr. (Bulletin d'actualité ; 87-2F) *L'éd. anglaise (Federal spending...)* sur la même fiche. ISBN 0-660-92787-X  
MICROLOG 90-03015 1 fiche

Depuis 1970, les dépenses totales du gouvernement fédéral sont passées de 14 016 milliards à plus de 128 milliards de dollars, ce qui correspond à un taux de croissance annuel composé de 12,7 p. 100. Pour mettre les choses en perspective, signalons que les dépenses fédérales, qui équivalaient à 16 % du produit intérieur brut au début des années 70, en représentent maintenant environ 21,4 %. Ce document fait le point sur les dépenses fédérales.

CA CO PA

### Le Dépistage antidrogue et la vie privée

Ottawa : Commissaire à la protection de la vie privée du Canada, 1990. 90, 79 p. Bibliogr. *Bilingue (Drug testing and...)*. ISBN 0-662-57569-5  
MICROLOG 90-05169 2 fiche

Au cours des années 1980, une confusion de forces a poussé le dépistage antidrogue au premier plan des débats portant sur la vie au travail. De plus en plus pressés de réduire leurs coûts de fonctionnement par la globalisation de l'économie mondiale, les employeurs recherchent plus que jamais la perfection chez leurs employés. Devant la hausse du taux de criminalité urbaine imputable à la drogue, la lutte antidrogue s'est intensifiée notamment aux États-Unis, et, tout en visant encore les fournisseurs, elle vise maintenant davantage les consommateurs. Ce document se penche sur la question en donnant de nombreux renseignements sur le dépistage antidrogue et la vie privée.

CA JU

### Depth, velocity and substrate measurements of Pacific salmon habitat at three streamflows in Kloiya Creek, B.C., 1984-85

by B.A. Bravender and C.S. Shirvell. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. vii, 67 p. : maps. (Canadian data report of fisheries and aquatic sciences ; no. 758) ISSN 0706-6465  
MICROLOG 90-01117 1 fiche

The availability of juvenile coho and chinook salmon habitat was studied in Kloiya Creek under 3 experimentally controlled streamflows (low, medium, high). Hydrological data, commonly used in fish habitat models, was collected along 20 transects in 5 pools of the study area. The area of streambed characterized by intervals of water depth and velocity at 6/10 depth and 8 cm from the bottom was calculated. Substrate type was classified into 15 categories and the area of each category was calculated. The data for each streamflow is reported.

• BC CA CF FI LS SC

### Le Député fédéral : ses fonctions

par J. Stilborn et A. Wright. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. 14 p. Bibliogr. (Etude générale ; BP-56F) *L'éd. anglaise (Members of the House...)* sur la même fiche. ISBN 0-660-92806-8  
MICROLOG 90-03022 1 fiche

Ce document fait un exposé des principales fonctions du député, soit la représentation, la fonction législative, la surveillance et enfin la légitimation. Il examine l'importance théorique de chacune d'elles ainsi que la façon dont les députés s'en acquittent dans la pratique.

CA PA

### La Déréglementation du camionnage au Québec un an après : de la théorie à la pratique

par G. Gonthier. Québec : Gouvernement du Québec, Ministère des transports, 1989. xiv, 60 p. : ill. Bibliogr. (Etudes et recherches en transports) (Socio-économie des transports) ISBN 2-550-19835-2  
MICROLOG 90-02829 1 fiche

Cette étude porte sur la déréglementation du camionnage au Québec et vise à présenter dans un seul document les fondements théoriques du cadre législatif actuel et l'origine des choix qui ont été retenus en regard des premiers effets de leur mise en application. Le document se penche particulièrement sur le transport extraprovincial et intraprovincial, le degré d'uniformité (la théorie et la mise en application), la situation après un an, le bilan et les correctifs du nouveau régime, et les perspectives.

CO PR QU SC TR

### La Déréglementation du transport aérien au Canada

par J. Christopher. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 17 p. Bibliogr. (Bulletin d'actualité ; 89-2F) *L'éd. anglaise (Airline deregulation in Canada)* sur la même fiche. ISBN 0-660-92722-5  
MICROLOG 90-01845 1 fiche

Le 10 mai 1984, le ministre des Transports a publié un énoncé de principe qui libéralisait, dans le cadre réglementaire existant, la politique du transport aérien. Ainsi, les transporteurs aériens qui étaient limités jusque-là dans leurs opérations par la politique visant les transporteurs régionaux étaient autorisés à offrir des services n'importe où au Canada. Les restrictions quant aux permis étaient éliminées, le processus d'établissement des prix étaient assoupli et les modalités administratives de la Commission canadienne des transports étaient simplifiées. Ce document examine les étapes de ce processus et décrit certaines des garanties prévues dans la loi afin de tenir compte des réserves exprimées par ceux qui s'opposaient à ce changement.

CA CO PA SC TR

### Describing ecosystems in the field -- 2d ed.

editors: H.A. Luttmerding...et al. Victoria : Ministry of Environment ; Ministry of Forests, 1990. xix, 213 p. : ill. Bibliogr. (MOE manual ; 11) ISSN 0821-0640 ISBN 0-7726-0906-3  
MICROLOG 90-06808 3 fiche

Manual to standardise approaches and definitions for ecological data collection. The manual is designed for use with the site, soil, humus form, vegetation, mensuration and wildlife field description forms shown in each chapter. General information on survey planning, plot selection, classification concepts and how to fill out the data forms is also given.

BC EV PR SC

### Description and operating conditions of the automated laboratory hot briquetting facility

by A. Dykstra. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1976. ii, 15 p. : ill. Bibliogr. (Report ; ERP/ERL 76-190(TR))  
MICROLOG 90-04501 1 fiche

The hot briquetting system consists of an automatic facility using fluidized-bed units to heat and mix coal and char particles, and a heated automatic briquetting press that produces cylindrical briquettes. This report describes the fluidized-bed facility and its operation in detail.

• CA CM EN PS SC

### Description des mandats et objectifs de la Direction

Fredericton : Ministère de l'éducation, Direction des services administratifs et de la recherche, 1989. 7 p.  
MICROLOG 90-02660 1 fiche

Ce document a pour but de faire connaître la structure organisationnelle et les responsabilités principales inhérentes à la Direction des services administratifs et de la recherche au sein du Secteur francophone du ministère de l'Éducation. Il présente l'organigramme général, la direction des services administratifs et de la recherche, les services administratifs et financiers, et le service de statistiques et de la recherche.

AP PA PR

### Description et évaluation d'un programme de formation à l'intention des directeurs d'école : prototype de programme de formation des directeurs d'école

par K.A. Leithwood. Toronto : Ministère de l'éducation, 1988. v, 105 p. Bibliogr. ISBN 0-7729-3507-6  
MICROLOG 90-04311 2 fiche

Cette étude vise à décrire et évaluer un programme de formation destiné aux personnes désireuses d'obtenir la qualification de directeur d'école en Ontario. Elle est fondée sur un programme existant. À partir de cette expérience, un prototype de programme a été élaboré, fondé sur les recherches les plus récentes portant à la fois sur les méthodes efficaces d'administration scolaire et l'élaboration d'un modèle d'apprentissage efficace pour les adultes. Ce prototype de programme comprend les éléments suivants: la notion d'une administration scolaire efficace, les objectifs d'un programme fondé sur cette notion, un modèle d'apprentissage pour les adultes; des méthodes pédagogiques fondées sur ce modèle; du matériel pédagogique, et, des méthodes d'évaluation des participants et du programme (y compris des modèles d'instruments d'évaluation).

ED ON PR

### Design and development of a blasthole depth measurement test set

W.R. Davis Engineering. Ottawa : The Corporation, 1987. 45 p. : ill. Bibliogr. *CANMET contract: 69068-01-SQ*  
MICROLOG 90-00176 1 fiche

In underground hardrock mining methods such as vertical retreat stoping, it is essential that the depth of each blasthole and the height of the muck pile are known to estimate the volume and weight of blasted muck, to plan the next blast and for drawpoint mucking control. The current method of measuring is to lower a rope or tape down the hole, an accurate but time-consuming technique, leading to the design and development of an electronic measurement device. This report explains the theoretical and practical considerations in acoustically measuring blastholes and muck pile height in a vertical crater retreat mining process. The report explains basic acoustic theory as well as such



factors as frequency, power level requirement, attenuation, and accuracy. The results of field trials and laboratory experiments are given, along with conclusions and recommendations.  
• CA CM NR PS SC

**The Design and operation of a pilot plant on uranium biosorption : final report**

by M. Tsezos. Toronto : Biometrics Engineering Inc., 1990. 79 p. : ill. CANMET contract: 89156-01-SQ  
MICROLOG 90-05677 1 fiche

Denison Mines is conducting in situ bioleaching of uranium ore underground, but the volumes of leachate in bioleaching are large and low in uranium concentration. In the past 10 years, a proprietary process for immobilization of microbial biomass was developed at McMaster University. In 1987, a continuous mini pilot plant using 32 g of immobilized *Rhizopus arrhizus* biomass in an upflow column was operated, yielding uranium concentrations corresponding to a 30-fold concentration of the initial uranium present in the Denison Mines bioleach solutions. Following these encouraging results, additional immobilized biomass was produced at McMaster University and it was decided to operate a larger pilot plant to test further this new technology. This report focuses on the operation of this larger pilot plant, covering the materials and methods, the uranium sequestering results, and the behaviour of aluminum, iron, thorium and yttrium. Appendices detail the uranium biosorption and the uranium elution results.  
• CA CM EV NR ON SC

**Design guidelines for meeting the access needs of blind and visually impaired travellers in transportation terminals**

by the Canadian National Institute for the Blind and Transportation Development Centre, Policy and Coordination Group, Transport Canada. Toronto : The Institute ; Montreal : The Centre, 1989. xi, 54 p. : ill. Bibliogr. French ed. (*Lignes directrices visant...*) : 90-07186/1.  
MICROLOG 90-07185 1 fiche

This report presents design recommendations and guidelines to improve accessibility to public transportation for the visually impaired (totally blind or having low vision) in transportation terminals. Part I of the report presents general design recommendations. Part II outlines specific recommendations for both interior and exterior architectural elements, based on the general recommendations.  
CA SA SC TR

**Design manual for surface mine haulroads**

by N.H. Wade. Calgary, Alta. : Monenco Consultants Limited, 1989. viii, 207 p. : ill. Bibliogr. CANMET contract: 89055-01-SQ.  
MICROLOG 90-02543 3 fiche

Report on the design of surface mine haulroads, covering a literature review of state-of-the-art design methods; a review of the procedures and calculations used in Alberta and BC mines, highlighting methods used to compensate for low quality construction materials, high traffic volumes, large axle loads, and harsh climatic conditions; a critique of the suitability of design criteria currently used for haul road construction, identifying where improvements could be made to current techniques or to the databases on which they depend; an investigation of construction materials and maintenance techniques that may be used in future such as binding and traction additives, earth reinforcement and geotextiles/geosynthetics; and recommendations for suitable testing methods to evaluate the performance of a mine haulroad to compare with that predicted by the design. Information was obtained through a questionnaire and site

visits.

• AL BC CA CM NR PS SC

**Design of a bounded wave EMP simulator : intended as second stage simulator for DREO**

by P.A.A. Sevat. Ottawa : Defence Research Establishment Ottawa, 1989. ix, 100 p. : ill. Bibliogr. (Report ; no. 1006)  
MICROLOG 90-00435 2 fiche

Electromagnetic pulse (EMP) simulators are used to simulate the EMP generated by a nuclear weapon and to harden equipment against the effects of EMP. At present, DREO has a 1 m EMP simulator for testing computer terminal size equipment. To develop the R&D capability for testing larger objects such as a helicopter, a much bigger threat level facility is required. This report concerns the design of a bounded wave EMP simulator suitable for testing large size equipment. Different types of simulators are described and their advantages and disadvantages are discussed. Detailed designs are given for 6 m and 10 m parallel plate type wire grid simulators, electromagnetic fields inside and outside the simulators are computed, preliminary specifications for a pulse generator required for the simulator are given, and the electromagnetic fields radiated from the simulator are computed and discussed.  
CA PS SC

**Design of an automatic passenger counting/tracking system for airports : final report**

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by Pierre Chénier, Michel Barré. Montreal : DTI Télécom Inc., 1989. xiii, 130 p. : ill.  
MICROLOG 90-01737 2 fiche

Description of a detection/counting system designed to provide Canadian airports with statistical data on a day-to-day basis about enplaning and deplaning passengers, their escorts (called meeters and greeters) and visitors. Four airports (Dorval, Thunder Bay, Toronto Terminal 1 and Terminal 2, and Ste-Foy) were visited to acquire knowledge of airport operational environments. Relevant constraints and requirements were documented prior to system design.  
CA SC TR

**Design of regular intercity driver routes for the LTL motor-carrier industry**

by T.G. Crainic and J. Roy. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 36 p. : ill. Bibliogr. (Publication ; no. 689)  
MICROLOG 90-06645 1 fiche

The load plan of a less-than-truckload (LTL) motor carrier determines the services it operates and the frequencies it offers. To satisfy the stable part of the demand for transportation, regular driver routes have to be built which must cover the planned services and abide by the laws, regulations and conventions that regulate the drivers' workload, while guaranteeing the timely delivery of goods at the destination terminal. The objective is to minimize costs and to ensure an efficient fleet utilization. This paper examines the problem characteristics and proposes a modelling and algorithmic approach, based on set covering ideas. Results of an actual application are also presented.  
PR PS QU SC TR

**Design, construction and field trials of a 5 kW vertical axis hydro turbine for off grid river installations (TOR 5 VAHT)**

Nova Energy Ltd. Ottawa : Energy, Mines and Resources Canada, 1988. iii, 42 p. : ill.

Bibliogr.

MICROLOG 90-01357 1 fiche

Report describes the design, manufacture and preliminary testing of a 5 kW floating VAHT for use in tidal ocean and river installations.  
• CA EN PS SC

**The Design, construction and testing of an Arctic survival sled**

for Transportation Development Centre ; by R.A. Dick and M. Kalsiak. Ottawa : Melville Shipping Inc., 1988. xi, 46 p. : ill.  
MICROLOG 90-04090 1 fiche

This report documents the design, construction and testing of an Arctic survival sled to transport lifesaving and survival equipment from a ship, over water and ice, to a safe location to set up a survival camp. The sled was designed to accommodate the weight and volume of an Arctic survival pack, to be dropped from a ship, and to be towed through water and over a range of ice conditions.  
CA NO PS SC

**Designing money collection routes through bank branches**

by V. Lambert, G. Laporte and F. Louveaux. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 17 p. Bibliogr. (Publication ; no. 703)  
MICROLOG 90-06636 1 fiche

Most banks must send out vehicles to their branches to collect money left by depositors on a regular basis. This problem is modeled as a vehicle routing problem with constraints and objective terms specific to the particular banking context, such as penalties for lost interest. Two versions of the problem are studied: the deterministic case and the stochastic case in which travel times are random. These two versions are modeled as integer mathematical programs, and solved by means of an heuristic procedure. Problems derived from a real situation (a Belgian bank network) are solved under different scenarios.  
PR PS QU SC TR

**Detailed sampling, characterization and greenhouse pot trials relative to drilling wastes in Alberta**

by T.M. Macyk. Edmonton : Alberta Land Conservation and Reclamation Council, Oil and Gas Reclamation Research Program, 1989. xxii, 237 p. : ill., maps. Bibliogr. (Report ; RTTAC 89-6)  
MICROLOG 90-05215 3 fiche

In 1986 a research project was begun to provide a scientific basis for development of guidelines for drilling mud disposal. The 3 phases of the project involved detailed sampling, characterization and greenhouse studies relative to drilling wastes from the Cold Lake, Foothills and Grande Prairie/Peace River regions. Three depths at each of 5 locations for both the liquid and solid phases of DAP, freshwater gel, invert, KCl and NaCl wastes were sampled.  
AL EN EV PR SC

**Détails de construction d'une grosse fourragère pour le nettoyage et la récolte de parcelles**

par R. Drapeau et U. Dallaire. Ottawa : Agriculture Canada, Direction générale de la recherche, 1984. iv, 19 p. : ill. (Bulletin technique ; 1984-3F) L'éd anglaise (*Construction details of a large...*) sur la même fiche. ISBN 0-662-92479-7  
MICROLOG 90-05438 1 fiche

Ce document présente un bulletin technique fournissant les détails de construction d'une grosse fourragère construite spécifiquement pour le nettoyage des parcelles expérimentales et/ou pour la prise d'échantillons lorsque de grandes parcelles sont requises pour atteindre



les objectifs expérimentaux.

• CA FO SC

**Deterioration of phospholipids of skipjack muscle during ice storage : mainly concerning to enzymatic hydrolysis of phosphatidylcholine**

by T. Ohshima, S. Wada and C. Koizumi.  
Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 13 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5146) Originally published in Japanese, in Japan. ISSN 0704-3716  
MICROLOG 90-00087 1 fiche

Study of changes in phospholipids of skipjack muscle during ice storage using GLC, HPLC, and TLC. Fresh skipjack with a clear after-catch history were used and the study investigated the conditions of accumulation of lysophospholipids during ice storage, LPC and PC fatty acid composition changes, and changes in the composition of PC fatty acid.  
• CA CF FI LS SC

**Détermination de la qualité des bois : instruction**

par J. Fortin, R. Lemieux et P. Baes.  
Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1990. II, 53 p. : ill. ISBN 2-550-20698-3  
MICROLOG 90-04472 1 fiche

Ce document constitue l'instruction officielle de mesurage visant à déterminer la qualité des bois récoltés dans les forêts du domaine public. Il est essentiellement composé de trois parties. Dans un premier temps, il décrit la procédure à suivre pour déterminer la qualité des bois et dans un deuxième temps, les différentes normes de classification.  
FO PR QU SC

**Détermination des niveaux d'immigration pour le Québec en 1990 : antécédents et considérations**

Québec : Communautés culturelles et immigration, 1989. 35 p. : ill. (Consultation sur les niveaux d'immigration) ISSN 0831-0335  
ISBN 2-550-19885-9  
MICROLOG 90-02626 1 fiche

Ce document décrit dans sa première partie l'orientation d'ouverture soutenue et progressive du programme d'immigration depuis 1985. Il rappelle les travaux de la Commission de la culture pour l'exercice de détermination des niveaux d'immigration pour les années 1988 et 1989 et présente la décision du Conseil des ministres qui s'en est suivi. Dans la seconde partie, quelques considérations pour l'exercice de détermination des niveaux pour l'année 1990 sont brièvement énoncées à la lumière d'une mise en situation par rapport à la poursuite des objectifs actuellement poursuivis par le programme d'immigration. Finalement, une dernière section aborde la situation particulière des revendicateurs du statut de réfugié.  
EX PR QU

**Détermination du niveau d'acidité des eaux faiblement minéralisées**

préparé par Mario St-Pierre, pour le Groupe de travail sur les précipitations acides.  
Québec : Ministère du loisir, de la chasse et de la pêche, Direction de la gestion des espèces et des habitats, 1989. v, 16 p.  
Bibliogr. ISBN 2-550-19918-9  
MICROLOG 90-01788 1 fiche

Ce document présente les analyses d'eau sur le terrain effectuées par le ministère. On y aborde des sujets tels : la définition du pH, les méthodes de mesures du pH, les effets de la température, les types d'électrodes, les échantillons faiblement minéralisés, le traitement et le transport des échantillons, la manipulation et les soins des électrodes, les solutions tampons et calibration, la lecture du pH-mètre,

la calibration de l'appareil, et, la mesure du pH de l'échantillon.

EN EV NR PR QU SC

**Determination of activity parameters in *Thiobacillus ferrooxidans* strains as criteria for mineral leaching efficiency (UP-M-589) : final report**

by I. Suzuki...et al. Winnipeg : University of Manitoba, Dept. of Microbiology, 1989. 112 p. : ill. Bibliogr. CANMET contract: 69126-01-ST.  
MICROLOG 90-05854 2 fiche

Bacterial leaching of sulfide ores using *Thiobacillus ferrooxidans* is an important process for the extraction of economically valuable metals from ores not amenable to traditional methods, with the advantage of not releasing the oxidized sulfur into the atmosphere. In spite of its great potential, the use of bacterial leaching has been limited, mainly because of the relatively slow rate and low concentration of metals extracted into solution. This report presents the results of tests using a number of strains of *T. ferrooxidans* and *T. thiooxidans* on growth and activity, including the effects of metals (Cu, Zn and other inhibitory metals often released from sulfide ores), to establish criteria essential for the selection of strains best suited for effective leaching.  
• CA CM NR SC

**Determination of carbon in coal combustion residues**

by A. Iribane. Toronto : University of Toronto, Dept. of Chemical Engineering and Applied Chemistry, 1989. 67 p. : ill. Bibliogr. CANMET contract: 89172-01-SS  
MICROLOG 90-02536 1 fiche

A new method was developed at CANMET for the analysis of carbon in combustion residues. In this method, the sample is first dried and ground to a fine powder, and then digested in a mixture of acids. The insoluble residue is then separated by filtration and its weight determined by difference. The filtrate is kept for the analysis of elements by induction coupled plasma spectrometry. This report contains a detailed description of this method, the tests performed to evaluate the method and clarify the meaning of its results, and a critical review of the methods for determining the different kinds of carbon (total, elementary, inorganic and organic).  
• CA CM NR PS SC

**Determination of foundation drain flow resulting from rainstorms**

CH2M Hill. Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. viii, 84 p. : ill. Bibliogr. ISBN 0-88654-272-3  
MICROLOG 90-05710 1 fiche

A study was carried out in Edmonton in 1989 to observe the response of foundation drains to rainfall events. The study simulated 50-year return period storms on selected residential lots in which houses were equipped with a sump and pump. A short duration (3-hour) and a long duration (8-hour) storm were simulated for dry and wet antecedent conditions on each lot. Actual observed results were compared with results predicted by a mathematical model previously developed. Model input data were gathered during the test program.  
AL PL PR SC

**Determination of invisible gold within sulphide minerals in flotation tailings from Trout Lake Mine, Manitoba**

by S.L. Chrysosoulis and W. Petruk. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. 38 p. : ill. (Report ; MSL 90-58(IR))  
MICROLOG 90-06000 1 fiche

Flotation tailings from Trout Lake were supplied for determination of the distribution of gold. It was suspected that part of the gold in the sample was 'invisible' but present in solid solution within the crystal lattice of the sulphide minerals. The analysis determined the gold concentration in the pyrite and arsenopyrite; obtained the gold mineralogical distribution in the flotation tailings, and determined the arsenic concentration in the pyrite by ion probe microanalysis  
• CA CM MS NR PS SC

**Determination of major and minor elements in fused coal ash samples with energy dispersive X-ray spectrometry using a fundamental parameter approach**

by L. Janke...et al. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1979. 28 p. ill. Bibliogr. (Report ; ERP/ERL 79-38(TR))  
MICROLOG 90-04503 1 fiche

The rapid quantitative determination of the major and minor elements in coal ash is essential to the efficient utilization of coal in industrial processes, such as power generation, industrial heating and the production of metallurgical coke for the steel industry. Present day energy dispersive X-ray fluorescence (XRF) spectrometers are well suited to this approach as they can be used for the simultaneous determination of a large number of analytes. However, before a coal ash may be subjected to analysis by XRF, the ash itself must be prepared by standard procedures for presentation to the spectrometer. Ideally, a method of preparation which is both precise and accurate is required. This report discusses the use of lithium tetraborate flux in the preparation of samples of coal ash. As certified reference standards are not currently available for the analysis of coal ash, it was decided to use synthetic standards for calibration.  
• CA CM NR PS SC

**Determination of manganese in high-purity niobium, tantalum, molybdenum and tungsten metals with PAN**

by E.M.P. Donaldson and W.R. Inman. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 21 p. (Report ; MS 65-77)  
MICROLOG 90-04634 1 fiche

Description of a spectrophotometric method for determining 0.0005-0.10% of manganese in high-purity niobium, tantalum, molybdenum and tungsten metals. After sample dissolution and separation of the matrix materials by extraction of their cupferrates, the red complex formed between manganese II and PAN [1-(2-pyridylazo)-2-naphthol] is extracted into chloroform from an ammoniacal tartrate-cyanide medium and the absorbance of the resulting extract is determined at 562mu.  
• CA CM NR PS SC

**Determination of okadaic acid by measuring 50% acid phosphatase activity inhibitory concentration (APIC 50)**

by K. Shiraki...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 9 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5484) Originally published in Japanese, by the Gifu Prefectural Institute of Public Health in Japan ISSN 0704-3716  
MICROLOG 90-01680 1 fiche

The growth of tetrahymenae is inhibited by diarrhetic shellfish toxins (DST). This paper describes a practical determination method based on growth inhibitory concentration



(GIC50) and acid phosphatase activity inhibitory concentration (APIC50). The DST used was partially purified poison extracted from poisoned scallops and comprises several types of toxins, such as akadaic acid, dinophysistoxin in 1,3, pectenotoxin 1-5 and yessotoxin.  
 • CA CF FI LS SC

#### Determination of refractive index by the Brewster angle method

by J.D. Butterill. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1985. 22 p. : ill. (Report ; MS 65-121)  
 MICROLOG 90-04644 1 fiche

Report on the development of a convenient method of measuring the refractive index of minerals by the Brewster angle method, using equipment on hand.  
 • CA CM NR PS SC

#### Determination of stress intensity factors for weld toe defects, phase III : final report

by R. Bell. Ottawa : Carleton University, Faculty of Engineering, 1988. 85 p. : ill. Bibliogr. CANMET contract: OST85-00428  
 MICROLOG 90-00175 1 fiche

Report describing modifications to the fatigue crack growth prediction program and comparison of the prediction results to experimental test results for welded T plate joints produced in the Canadian offshore steels research program. The report also describes the implementation of a variable amplitude loading capability in the fatigue life prediction program, including the European common load sequence data to produce a realistic load history, and the miner summation procedure to calculating cumulative damage. A 2-dimensional finite element analysis to determine the stress distribution near the weld toe of T plates for a range of thicknesses and weld toe radii ranging from 0.2-10.0 mm is given, as well as a method of developing a procedure to obtaining SIFs at the weld toe of pipe-to-plate joint using 3D finite element methods. The report concludes with details of the attendance of the principal investigator at Canada-ECSC progress meetings.  
 • CA CM PS SC

#### Determination of sulfur dioxide in frozen peeled shrimp and dehydrated pineapple

by M. Iwada...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 6 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences, no. 5237) Originally published in Japanese. ISSN 0704-3716  
 MICROLOG 90-02672 1 fiche

Modified Monnier-Williams methods are widely applied to determine residual sulphite in foods. The recovery of sulphite by this method is only 80% in the standard sodium bisulphite solution and about 50% with frozen peeled shrimp and dehydrated pineapple. This paper reports the results of using colorimetric determination of sulphite through the mercury tetrachloride-p-rosaniline color developing system. Thirteen samples of imported frozen peeled shrimp and 5 samples of dehydrated pineapple were examined for the determination of microquantities (less than 100 ppm) of residual sulphite by the use of this colorimetric procedure.  
 • CA CF FI SC

#### Determination of the feasibility of directly dating quartz by electron spin resonance : a research report

by A.L. Odom. Ottawa : Atomic Energy Control Board, 1988. 41 p. : ill. Bibliogr. (Research report ; INFO-0345)  
 MICROLOG 90-05697 1 fiche

The ability to directly date faults and fractures is important in trying to establish the stability or instability of an area being considered for the construction of engineered structures such as nuclear power plants, radioactive waste repositories and dams. Quartz is a common fault- and fracture-filling mineral, appearing both in a massive habit or as slender, acicular crystals. If amenable to direct dating, it could contribute substantially to overcoming the problems of assessing the tectonic stability of an area. This investigation determined whether or not quartz of any age might be datable by the use of electron spin resonance (ESR) using natural quartz samples ranging in age from 100 ka to 1.4 Ga  
 CA PS SC

#### The Determination of the levels of dinitropyrenes on diesel exhaust particulate exhibiting excess mutagenic activity

by K.C. Westaway. Sudbury, Ont. : Laurentian University, 1989. 30 p. Bibliogr. CANMET contract: 79133-01-SS  
 MICROLOG 90-03381 1 fiche

High volume samples of diesel exhaust particulate were collected downstream from 2 different Deutz 714 series diesels fitted with Dieseler III catalytic converters in an underground mine. The samples were collected on a level underground site with an 800 foot tramming distance to the ore pass. The diesel exhaust extracts collected were tested on Salmonella bacteria used in the Ames bioassay. This report presents the results of the work.  
 • CA CM EV SC TR

#### Determination of trace silver in Faro ore

by S.L. Chrysosoulis and J.M.D. Wilson. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. 35 p. : ill. (Report ; MSL 90-66(IR))  
 MICROLOG 90-07119 1 fiche

The quantification of silver distributed in the crystal structure of the major sulphide minerals in the Faro ore (Yukon Territory) using secondary ion mass spectrometry (SIMS) was requested to determine quantitatively the silver content of pyrite, sphalerite and chalcocite of and to implant Faro samples with 107-Ag for calibrating the SIMS. Samples were received in October 1989 of zinc concentrate, lead concentrate and the final tailings and an additional tailings sample was sent in June 1990 because the first had very few sulphide grains suitable for SIMS analysis. The laboratory work included preparation of the last sample, ion implantation, optical microscopy to select grains for SIMS, and the ion probe microanalysis.  
 • CA CM NO NR PS SC

#### Determination of tritium activity in oil samples by liquid scintillation counting

by S.P. Sood and D. Kos. Toronto : Ontario Hydro, Research Division, 1990. 13 p. (Report ; no. 90-68-K)  
 MICROLOG 90-06097 1 fiche

The determination of tritium in different oil samples is required for transportation and disposal purposes. Many of these oils have degraded in service and become coloured. Some of the waste oils may also be mixed with other waste solvents, resulting in samples which are difficult to analyze for tritium by liquid scintillation counting due to their colour and luminescent nature. This report presents a simple standardized procedure for a reliable determination of tritium in these oil samples.  
 EN ON PR PS SC

#### Detroit incinerator monitoring program : Windsor air sampling site, 1987-88, Walpole Island air sampling site, 1988

Ottawa : Environment Canada, River Road Environmental Technology Centre, 1989. v. 225 p. : ill. Bibliogr. (Data report ; no. 3)  
 MICROLOG 90-02377 3 fiche

Late in 1986, the Greater Detroit Resource Recovery Authority (GDRRA) announced that a 4,000 ton/day municipal waste incinerator would be constructed in downtown Detroit, 6 km from the Canada-U.S. border, fitted with electrostatic precipitators as pollution control equipment. Concern for the impact of emissions from the incinerator on the air quality in Windsor led to the establishment of 2 monitoring sites, one in downtown Windsor and the other on Walpole Island. This phase of the program is designed to gather background data prior to the startup of the incinerators in the summer of 1989. The program includes ambient air measurements of polychlorinated dibenzo-p-dioxins (PCDD), polychlorinated dibenzofurans (PCDF), polychlorinated biphenyls (PCB), chlorobenzenes (CB), chlorophenols (CP), polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOC), inhalable particulate (IP) matter and metals. This report discusses the available monitoring data from the Windsor monitoring site from July 1987-September 1988 and from the Walpole Island site from January-September 1988.  
 CA CI EV ON SC

#### Developing an Indian and Metis urban strategy for Manitoba

Resource Initiatives Ltd. Winnipeg : Manitoba Northern Affairs, 1989. 134 p. : ill.  
 MICROLOG 90-02357 2 fiche

This document discusses commencing the development of the strategy, the information/communication process, and workshop preparation and directions. It supplies observations, comments, and recommendations. In addition, it contains a data base proposal, a workshop delegate list, a workshop agenda, a list of facilitators and recorders, and workshop reports.  
 CI MS NP PR

#### Developing herbicide efficacy tables for the southern interior

by C.F. Thompson. S.I. Forest Resource Development Agreement : Victoria : Ministry of Forests, 1989. iii, 9 p. Bibliogr. (FRDA report ; 096) ISSN 0835-0752 ISBN 0-7726-1030-4  
 MICROLOG 90-04750 1 fiche

Species-treatment efficacy tables for forest-use herbicides are available in the U.S. but are not suitable for the Nelson Forest Region because of the different ecological environment and because species of concern are not included in the tables. In the absence of comprehensive controlled herbicide rate and timing trials, this project examined the utility of operational herbicide applications as a starting point for creating efficacy tables for the region. The study assessed the impact of herbicide treatment on target vegetation species in available operational applications, and used these assessments to construct a first run table of chemical treatments against target species showing treatment efficacy. Fourteen blocks were selected which were stratified ecologically, topographically, and according to application rate or method, yielding 27 acres. Within each stratum, 20 plots were located systematically on a randomly originating grid designed to sample the whole stratum. Up to 4 species were selected for assessment, with individuals selected closest to the plot centre.  
 • BC CA FO PR SC



# **Development and demonstration of a low cost weigh-in-motion scale system for highway applications**

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by Les Routledge, Terry Bergan and Brian Taylor, Saskatoon, Sask. : International Road Dynamics, Inc., 1989. x, 142 p. : ill. Bibliogr.  
MICROLOG 90-04080 2 fiche

Report on the work and results of a joint program undertaken to develop a highway weigh-in-motion system based on piezoelectric sensor technology. Piezoelectric cables were tested at a site provided and prepared by the Saskatchewan Dept. of Highways and Transportation. A full scale system was installed for testing and demonstration purposes at a site on Highway 7 in Toronto. Evaluation of the prototype system has been ongoing for 10 months and will be continuing for another 12 months.  
CA PS SC TR

# **Development and demonstration of new process standards for upgraded biogas energy utilization of municipal anaerobic digestion facilities in Canada : interim report**

Canviro Consultants Ltd. Ottawa : Energy, Mines and Resources Canada, Renewable Energy Branch, 1988. vi, 90 p. : ill. Bibliogr.  
MICROLOG 90-00385 1 fiche

To date, a comprehensive investigation of the alternative strategies available, or to be developed, for the effective recovery and utilization of biogas produced at municipal anaerobic digestion systems in Canada has not been performed and little information is available identifying or verifying the actual quantities of biogas produced. This project developed these strategies by first assessing the current practices and technologies in use in Canada and then comparing the technical aspects and economics of retrofitting existing systems or providing new systems with technologies to upgrade biogas utilization efficiency. An extensive literature review was conducted to determine the number of municipal anaerobic digestion systems currently operating in Canada. A questionnaire, designed to collect specific system operating data, was forwarded to contact personnel at each plant, with 70% responding. The database information will be used to develop the optimum biogas utilization strategies for municipal wastewater treatment  
• CA EN PW SC

# **Development and evaluation of an ergonomically sound air traffic control workstation**

prepared for the Transportation Development Centre, Transport Canada ; by the Arnott Design Group, Inc. ; John Arnott, Roy Nakashima ; with Paul Stager. Ottawa : Transport Canada, Transportation Development Centre, 1988. xviii, 98 p. : ill. Bibliogr.  
MICROLOG 90-00368 2 fiche

Description of the development and evaluation of an experimental workstation for Canadian air traffic controllers intended for implementation in 1993. In addition to designing and building an ergonomically suitable console, the contractor was responsible for the graphic design of the displays and the specification and implementation of the user interface software. The project began with a period of research and analysis, followed by conceptual design, mockup building, prototypes, and computer modelling, and culminating in the construction of a functional prototype. The prototype was evaluated in a high fidelity air traffic simulation exercise conducted by a human factors specialist.  
CA PS SC TR

# **Development and progress of the petroleum reservoir engineering section**

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1963. 16 p. Bibliogr. (Report ; FMP 63/42-PRE)  
MICROLOG 90-04525 1 fiche

Petroleum reservoir engineering deals with the transfer of fluids (hydrocarbons, water, etc.) to, from, or within natural underground rock reservoir formations, leading to estimates of reserves and improvement of production and recovery. This paper explains the objectives and outlines the work conducted by the Section. Projects involve underground storage of natural gas, secondary recovery methods, optimum well spacing, in-situ combustion for heavy crudes, miscible phase flooding, petroleum production methods, turbo-drilling and electro-drilling, well completion, and pipeline technology.  
• CA CM EN NR PS SC

# **The Development document for the draft effluent monitoring regulation for the Ontario mineral industry, group B : industrial minerals sector**

Toronto : Environment Ontario, 1989. i, 210 p. : ill. Bibliogr.  
MICROLOG 90-00233 3 fiche

The Municipal/Industrial Strategy for Abatement (MISA) program is aimed at reducing discharges of toxic contaminants to Ontario's waterways, ultimately ending in virtual elimination. Under the MISA program, the monitoring requirements for each sector are specified in a general regulation and a specific sector regulation. The general regulation provides the technical principles common to all sectors, while the specific sector regulation specifies the monitoring requirements of each direct discharger. This document contains an overview of the industrial minerals sector, including descriptions of the category classifications within the sector, the technical rationale, describing the derivation of the monitoring parameters and the monitoring frequencies used; the draft effluent monitoring regulation; explanatory notes describing the legal requirements stated in the regulations; the MISA Advisory Committee's report to the Minister on the draft regulations; and the Ministry's response. Industrial minerals are those non-fuel minerals and rocks that are mined, processed and utilized for purposes other than for their metal content (with the exception of magnesium).  
EV NR ON PR SC

# **The Development document for the effluent monitoring regulation for the industrial minerals sector**

Toronto : Ministry of the Environment, 1990. i, 200 p. Bibliogr.  
MICROLOG 90-04581 3 fiche

The Municipal/Industrial Strategy for Abatement program is aimed at reducing discharges of toxic contaminants to Ontario's waterways. Under the program, the monitoring requirements for each sector are specified in general regulations which provide technical principles common to all sectors, and in specific sector regulations. This document contains an overview of the industrial minerals sector, including descriptions of the category classifications; the technical rationale document describing the derivation of the monitoring parameters and the monitoring frequencies used; the effluent monitoring regulation for this sector; and explanatory notes on the legal requirements. Industrial minerals are those non-fuel minerals and rocks that are mined, processed and utilized for purposes other than for their metal content (with the exception of magnesium). They are divided into non-metallic minerals and structural minerals. Regulations

cover mining processes, production operations, wastewater, in-plant controls, wastewater treatment, and a sector overview.  
EV NR ON PR SC

# **Development familiarization tour, state of Maine**

Tourism and the Sea : development familiarization tour, state of Maine (1989 : Maine). Shediac, N.B. : South East Economic Commission, 1989. 46, 43 p. Bilingual (Visite des stations)  
MICROLOG 90-03783 1 fiche

A familiarization tour was organized by the Southeast Economic Commission. The main purpose of the trip was to allow people from the southeastern region of New Brunswick involved in tourism to learn more about their competition and to observe what makes the east coast of Maine such a popular destination. The report on this trip is divided into three sections. The first describes each community visited on the tour. The second provides a summary of presentations made to the group by guest speakers. The last presents a series of conclusions derived from the visit.  
AP CO CU PR

# **Development indices : a Quebec regional comparison**

by F. Lamontagne and C. Tremblay. Ottawa : Economic Council of Canada, 1989. viii, 72 p. Bibliogr. (Local development paper ; no 14) ISSN 0225-8013  
MICROLOG 90-04061 1 fiche (Available on fiche only)

Recent research on the problem of persistent socio-economic disparities has established the importance of examining disparities within the major regions of Canada. The purpose of this paper is to develop the analytical method and tools needed to study these differences at the level of small regions. In order to do so, it focuses on the administrative regions of the province of Quebec and constructs for them a series of development indices that include both social and economic indicators. The paper groups together the development indices that describe the performance, capacity, vitality, and institutional character of regions. These indices are then standardized and the regions are rated using an approach recently developed for assessing small regions.  
• CA CO QU

# **Development of a coal-fired boiler for steam injection in heavy oil recovery**

Edmonton : Alberta Energy, Scientific and Engineering Services and Research Division, 1989. 9 p. : ill. Bibliogr. Projects supported in part by the Alberta/Canada Energy Resources Research Fund. ISBN 0-86499-638-1  
MICROLOG 90-01018 1 fiche

A 1986 study concluded that it was cost-effective for oil companies to use coal instead of natural gas to generate steam needed for enhanced recovery of heavy oil and in fact, the study showed that more coal might eventually be needed for this purpose than is now used to generate electricity. This implies a potentially major expansion of Alberta's subbituminous mining operations. This brochure summarizes developments of innovative coal-fired steam boilers using pulverized coal. A summary is also given of emission control options applicable to the boiler systems designed. A feasibility study was also made of the low NOx/SO2 burner to burn coal in an enhanced heavy oil application.  
AL EN PR PS SC

# **Development of a habitat assessment and planning tool : a problem reference and project working plan**

by M.A. Eng and R.S. McNay. Victoria



Ministry of Environment and Parks, Wildlife Branch ; Ministry of Forests, 1989. iv, 41 p. Bibliogr. (Wildlife bulletin ; no. B-64) ISSN 0829-9560

MICROLOG 90-03841 1 fiche

Habitat management is a commonly used method to achieve management objectives for wildlife populations. In B.C., however, wildlife managers do not have direct control over the timing and placement of habitat manipulations that result from extensive forestry. While foresters do have control, they often do not have the necessary knowledge. This project was begun because of the long-standing indecision on the fate of old-growth forest deferrals set aside for black-tailed deer and Roosevelt elk. This report describes previous approaches to planning and alternatives to current methods. It covers the institutional framework for habitat assessment and planning, the general structure of the plan, and a specific working plan.

BC FO PR SC

**The Development of a knowledge base relating to indoor use of caulks, sealants and weatherstrip products, vol. 1 : an overview of the study**

Ottawa : Energy, Mines and Resources Canada, 1988. iii, 18 p. Bibliogr. ISBN 0-662-16402-4

MICROLOG 90-05250 1 fiche

Overview of the development of test standards, product standards, workmanship standards and safety procedures in the indoor use of caulks, sealants and weatherstrip products. This is the first of a series of 5 reports. The remainder of the reports cover specific technical aspects of the topic.

• CA EN PS SC

**Development of a knowledge-based system for the resolution of electromagnetic interference : technical report**

prepared for Transportation Development Centre, Transport Centre ; by CompEngSer Ltd. Ottawa : The Company, 1988. 208 p. MICROLOG 90-04078 3 fiche

Description of the development of a software package designed to diagnose interference in radio communications, covering the overall system requirements, the functional modules, and the detailed programming code. A diagnostic expert system was designed to query a user and to formulate a diagnosis based on the heuristics obtained from a domain expert. The software was implemented using Insight 2plus (now called Level 5) and was designed to appear as a regular utility on a PC, containing extensive help and tutorial facilities. In addition to its diagnostic mode, the system also generates the usual documents required by Transport Canada when investigating radio frequency interference. The system also contains a training mode so that regular reporting and recording can be bypassed when the system is used for training.

CA PS SC TR

**Development of a procedure for predicting propeller-ice interaction forces**

prepared for the Transportation Development Centre ; by M.W. Chernuka...et al. Halifax : MARTEC Limited, 1989. xxx, 233 p. : ill. Bibliogr.

MICROLOG 90-01749 3 fiche

The propeller of an ice transiting ship must be designed to withstand the dynamic loads imposed by ice and, as well, have an efficient form for open water travel. Thus the compromise in design between strength and form requires that propeller loading be reliably established to assist in more optimum propeller

design. The report addresses the problem of establishing, in a more quantitative manner than before, the detailed loading in a propeller-ice interaction process and the resultant stress levels in the propeller. Numerical modelling of both the propeller and the ice using the finite element method was carried out and a program developed to define the propeller-ice interaction pressure and allow for variations in the loading over the blade surface. The ice model is analyzed to more realistically determine the load.

AP CA PS SC TR

**Development of a PVC folding door using Alberta technology and material**

W.R.S. Holdings Ltd. Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. vii, 71 p. : ill. Bibliogr. ISBN 0-88654-267-7

MICROLOG 90-05709 1 fiche

This project undertook the design, development and testing of an accordion style folding door for closets and utility areas in both single family and multiple occupancy dwellings, manufactured from Alberta-produced polyvinyl chloride (PVC) materials, utilizing plastic extrusion techniques. The work included a literature search to determine the present state of the industry; a patent search to determine the patentability of the product; an investigation into the certification and testing requirements for PVC folding doors; a market analysis to determine the demand and the current industry pricing; consideration of the PVC extrusion process and its effect on design, cost, and performance; development of a working design of the folding door which included the design of extrusion dies for several of the PVC components; construction, testing and fine-tuning of the dies; production and evaluation of prototypes for performance and cost; and certification testing.

AL PL PR PS SC

**Development of a rating system to describe the flaws in aged rubber specimens**

by M.V. Scammell-Bullock, J.R. Clark and J.C. Collyer. Ottawa : Defence Research Establishment Ottawa, 1989. vii, 18 p. (Technical note ; no. 90-4)

MICROLOG 90-05008 1 fiche

Description of a simple system, using a two digit numbering system, with easy to follow rules, developed to describe aging rubber products and their flaws. To test the system, 10 specimens of aged rubber, with differing types of flaws, were given to 20 people for evaluation. The results are reported here.

CA PS SC

**Development of a research plan for full-scale testing, data analysis and modeling of the propulsion train of a class IV icebreaker with nozzled propellers : final report**

by D.N. Bruce Cowper, for Transportation Development Centre, Transport Canada. Calgary, Alta. : Fleet Technology Limited, 1989. x, 34 p. : ill. Bibliogr.

MICROLOG 90-05799 1 fiche

Results of a project to organize and develop, in a joint effort with the U.S. Coast Guard, a research plan for the full-scale instrumentation and analysis of an Arctic Class IV vessel propulsion system having a ducted propeller arrangement. Field observations were conducted from October 16-24, 1988, in the Beaufort Sea, near a drilling site north east of Deadhorse, Alaska, and on a voyage from the drill site to Herschel Island, Yukon. This report describes in detail the field observations and the research plan for the conduct of these tests, including the cost estimate and a project schedule.

CA NO PS SC TR

**Development of a standard interface concept for securing wheelchairs in accessible vehicles**

by L.A. Garland, S.L. Dorion, H.E. Vietinghoff ; with Heron Ergonomics, Centre for Studies on Aging, SypherMueller International ; prepared for the Transportation Development Centre. Ottawa : TES Ltd., 1989. x, 108 p. : ill. Bibliogr.

MICROLOG 90-01784 2 fiche

The continuing evolution of wheelchair design has resulted in a wide variety of sizes and shapes of wheelchair, thereby creating a problem for accessible transportation systems. No standardized method now exists for securing wheelchairs in accessible vehicles; thus the securement system may not be compatible with the wheelchair being transported, adversely affecting system accessibility. This report describes the development and evaluation of a concept for a standard interface in accessible vehicles. The report details technical feasibility, physical and performance requirements, an ergonomic evaluation and an economic impact evaluation of the standard interface.

CA PS SC TR

**Development of a wheelchair securement system for vans and small buses**

by Laurin A. Garland and Suanne L. Dorion ; for the Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by TES Limited...et al. Ottawa : TES Limited, 1989. x, 149 p. : ill. Bibliogr.

MICROLOG 90-05802 2 fiche

To develop a safe wheelchair securement system for vans and small buses, extensive information was gathered on wheelchairs, specialized vehicles securement technology, standards and human factors. Based on an analysis of this data, evaluation criteria were developed upon which to evaluate available wheelchair securement systems. The results were used in the development of several new conceptual designs, which were then evaluated and a prototype was chosen, fabricated and again evaluated. The prototype, subjected to an in-house and in-service evaluation by operators of specialized transportation services, revealed several operational deficiencies. The prototype was then modified and re-evaluated.

CA PS SA SC TR

**Development of an Al-Sn-Si powder metallurgy alloy**

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1975. i, 8 p. Bibliogr. (Report ; MRP/PMRL 75-17(R))

MICROLOG 90-04676 1 fiche

Earlier work showed that Al-Si and Al-Sn alloys can be made by using powder metallurgy to give materials with microstructure and properties unobtainable by present conventional methods of melting and casting. Optimum properties are obtainable in both of the alloys when the microstructure is favourable, i.e., finely dispersed primary silicon and tin particles. This report describes the use of powder metallurgy to obtain a ternary alloy of Al-Sn-Si that would combine the favourable microstructures of the Al-Sn and Al-Si alloys.

• CA CM NR PS SC

**Development of an anti-jackknifing system for tractor semitrailers : feasibility study, phase 1**

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by Suanne L. Dorion, Henry E. Vietinghoff and James G. Pickard. Kanata, Ont. : TES Ltd., 1989. xx, 173 p. : ill. Bibliogr.

MICROLOG 90-07204 3 fiche



Report on a feasibility study of an anti-jackknifing system (AJS) for tractor semitrailers which would control articulation of the vehicle during jackknife and trailer swing, independent of any actions by the driver. The report includes a summary of statistical information on jackknife accidents, a review of the design and performance of existing AJS patents and products and a summary of the experiences of users of jackknife control devices. It also presents the results of computer simulation used to determine the characteristics of jackknife and trailer swing of 4 distinct vehicle configurations and the results of computer analysis of the performance of anti-jackknifing devices for vehicle stabilization and the effects of control parameter variations. Conclusions and recommendations are provided for the technical feasibility of an effective AJS for various tractor semitrailer configurations and trailer load conditions.  
CA PS SC TR

#### Development of an automobile simulator for the assessment and training of disabled drivers

prepared for Transportation Development Centre, Policy and Co-ordination Group, Transport Canada; prepared by J. Svoboda...et al. Montreal : Concordia University, Dept. of Mechanical Engineering, 1989. xi, 21 p. : ill.  
MICROLOG 90-04092 1 fiche

Description of the development of a prototype of a relatively low-cost, high-fidelity, microprocessor-based automobile simulator for the assessment and training of disabled and elderly drivers. The system, conceived as a modular one, consists of a cabin module, a computer module, a force-feel module and acoustic module. The cabin module is based on actual car hardware and has all the normal instrumentation and controls. The computer model includes computer hardware, system software and instructor facilities software. The vehicle model software module determines vehicle movements, as well as the engine parameters, in response to the driver control inputs. The fully interactive visual display module, including both hardware and software, generates the car simulator visual cues in response to the vehicle model position outputs. The force-feel and acoustic modules generate realistic control feel forces and acoustic cues in response to the vehicle model outputs.  
CA PS SA SC TR

#### Development of an economic large scale growth medium for *Rhizopus arrhizus*, a uranium adsorbing fungi : final report

submitted by V.I. Lakshmanan, Patrick Tackaberry. Mississauga, Ont. : ORTECH International, 1989. 50 p. : ill. Bibliogr.  
CANMET contract: 89198-01-SQ.  
MICROLOG 90-03969 1 fiche

Fungal biomass is capable of removing uranium from solution and as such has the potential to become incorporated into a processing flow sheet for recovering uranium from dilute mine waters. Producing the biomass for uranium-adsorption has usually depended on a commercially available growth medium, introducing the potential for increased processing costs. With the availability of a wide variety of industrial based food waste, the project investigated the possibility of maximizing the biomass harvest using food waste as the growth medium. This program uses the proven uranium-adsorbing fungus *Rhizopus arrhizus* to develop an economic alternative growth substrate that will support the maximum biomass harvest as well as maintain high uranium-adsorption values.  
• CA CM EV NR PS SC

#### The Development of an edible kelp culture technology for British Columbia, II : second annual report

by L.D. Druhl. Victoria : Province of British Columbia, Ministry of Environment, Marine Resources Branch, 1980. vii, 43 p. : ill. Bibliogr. (Fisheries development report ; no. 26) ISSN 0228-5975  
MICROLOG 90-05294 1 fiche

Second annual report recording progress made in developing the biotechnology necessary for an edible kelp (kombu) industry. The life histories, seasonal changes in morphologies, and air-drying characteristics of the studied species are reported, along with a harvesting strategy for each species. Cloning methods resulting in a genetically uniform product are being developed, as well as a structure suitable for kombu farms. Physiological studies closely related to edible kelp research were initiated and are reported also.  
AG BC PR SC

#### Development of an enforced stop algorithm for train applications, phase 1 : results

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada; by G.W. English; with development support from H. Boumeester and T.W. Moynihan. Kingston, Ont. : Queen's University, Canadian Institute of Guided Ground Transport, 1989. vii, 25 p. : ill. (CIGGT report ; no. 89-3)  
MICROLOG 90-04096 1 fiche

An enforced stop capability is a required component of level-30 advanced train control systems and will provide a major safety advance in railway signalling and control. This project is a first step in the development of a stop algorithm for a related application - a fixed-signal interface being developed by SignalCom Canada. This system will invoke a penalty brake application if a driver does not respond to a stop indication at a signal point in an existing centralized traffic control system. This first phase develops a conservative stop algorithm and its results are compared with the predictions of detailed simulation models for trains of known characteristics.  
CA PS SC TR

#### Development of an in-field automatic crack detection system for railroad wheels, phase 1 : final report : automatic wheel defect detection technologies assessment

prepared for the Transportation Development Centre, Policy and Coordination Group, Transport Canada; by J.L. Allard and F.W. Eyre. Montreal : SNC Inc., 1988. xxii, 158 p. : ill. Bibliogr.  
MICROLOG 90-07200 2 fiche

This report covers the first phase of a development program for an assessment of the suitability of acoustic frequency analysis techniques for the automatic detection of defects in railroad wheels in service. The first phase of the program established the basis for future design of a field inspection unit, which would likely be installed at the entrance/exit of a railroad yard to perform wheel inspections on moving trains. A literature review, telephone interviews and field visits to determine previous development work and the state of the art of wheel crack detection were undertaken. Surveys were made of suitable instrumentation and preliminary tests were conducted to assess the applicability of acoustic intensity analysis and to determine signal processing requirements. Finally, a preliminary cost estimate was developed for an inspection system based on a concept design to assess economic viability.  
CA PS SC TR

#### Development of CANMETCOAT digger teeth for oil sands bucket wheel reclaimer service

by K.G. Davis and J.-G. Magny. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. i, 7 p. : ill. Bibliogr. (Report ; MTL 89-70(TR))  
MICROLOG 90-05991 1 fiche

This project originated 10 years ago at a meeting between representatives of CANMET and the oil-sands industry to consider areas, such as the wear rate on digger teeth, which would benefit from research into coating a material with a layer of wear-resistant material. A process was developed using a vacuum to suck molten metal into the compact, removing any gas evolved and eliminating surface defects and blow-holes. This report describes the development of the CANMETCOAT process for the production of digger teeth with in-situ hardened surfaces. They have been field tested at the Syncrude oil sands plant.  
• CA CM NR PS SC

#### Development of fertilizer recommendations for irrigated grain and oilseed crops in southern Alberta

by R.H. McKenzie, L. Kryzanowski and J.M. Carefoot. Edmonton : Alberta Agriculture, 1989. iv, 51 p. : ill. Bibliogr. *Farming for the Future Projects 83-0028 and 87-0003*  
MICROLOG 90-05866 1 fiche

Study to determine the yield response of irrigated grain and oilseed crops to a range of nitrogen and phosphorus fertilizers on different soil textures and over a number of years, and to determine if potassium, sulphur and micronutrient fertilizers were required. In 1987, experiments were performed to verify recently developed crop response information and fine tune fertilizer recommendation tables. Crops and plots were established from 1982-87 on 2 major sites. At each crop site, separate soil samples were taken either in late fall or early spring from each replicate at various depths, and soil analyses were conducted.  
AG AL PR SC

#### Development of impactor size selective dust samplers at the Elliot Lake Laboratory

by G. Knight. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1988. i, 18 p. : ill. Bibliogr. (Report ; MRL 88-9(R))  
MICROLOG 90-01324 1 fiche

Size selective sampling to simulate the separation of airborne dust in human lungs into two or more fractions is now the usual procedure when assessing airborne dust with any relationship to the potential health hazard. This is followed by gravimetric or other analyses of the dust collected on the filter. In hard rock mines free silica is the component of the dust which is often the most significant potential health hazard. The Elliot Lake Laboratory has developed a sampling and analysis procedure for routine use in hard rock mines termed CAMPEDS. This report describes the development of the CAMPEDS 2 l/min flow rate sampling head, the CAMPEDS improved 4 l/min sampling head; the high flow rate sampling head, and the size distribution analysis run using 10 sampling heads with different cut-offs  
• CA CM NR ON PS SC

#### Development of metal cluster catalysts for conversion of middle distillates fractions in synthetic fuels

by Geoffrey A. Ozin and J.P. Godber...et al. Toronto : University of Toronto, Lash Miller Chemical Laboratories, 1989. xiv, 241 p. : ill.



Bibliogr. CANMET contract: OST85-00183  
MICROLOG 90-05988 3 fiche

Liquid phase (rotary reactor) and condensation phase (rotary and static) metal vapor syntheses were used to produce subnanometre particles of Fe, Ru and Fe/Ru, as well as Ni, Pt and Ni/Pt on SiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub>, through the intermediacy of labile bis-tuolene and tris-ethylene metal (0) precursors. These materials demonstrate unusual catalytic functions in the conversion of hydrocarbons and have many remarkable properties, which were examined. Intimate details of the spatial and electronic structures of these materials were determined. The catalytic results for the bimetallic samples are explained by a computer model of the structure of the supported particles.  
• CA CM EN PS SC

#### Development of multivariate analysis procedures for Ontario air quality data : final report

by P.K. Hopke. Toronto : Environment Ontario, 1990. iv, 55 p. : ill., maps. Bibliogr.  
MICROLOG 90-05626 1 fiche

The Ontario Ministry of the Environment (MOE) has a large air quality monitoring program in place that produces substantial quantities of high quality data both locally and regionally. The development of improved automatic sampling and multiple species chemical analysis systems allows large multivariate data sets to be obtained which require careful statistical methods to extract the maximum amount of useful information. This report determines if multivariate data analysis methods can extract evidence for long range transport of acidic materials influencing the precipitation chemistry of samples collected by the APIOS network. A set of data analysis procedures to be applied to these data as they are accumulated is established and the ability of target transformation factor analysis for extraction of source information for urban scale aerosol is explored. Procedures are established to incorporate this methodology into the techniques available to MOE for local air quality management of particulate emissions sources.  
EV ON PR SC

#### The Development of natural gas buses in Ontario

by M.D. Harmelink and O.M.S. Colavincenzo. Toronto : Ministry of Transportation, Transportation Technology and Energy Branch, 1990. 15 p. : ill. Bibliogr. Paper presented at Globe 90.  
MICROLOG 90-06140 1 fiche

Early in 1980, the province of Ontario initiated a conservation and oil substitution program to reduce the consumption of oil. To achieve this objective in the transportation sector, fiscal support was given to the private sector, and a combination marketing and technology development program was initiated. This document covers the development of natural gas buses as part of that program. The document describes the alternative fuels technology development program and the use of natural gas in both light duty vehicles and transit buses.  
ON PR SC TR

#### Development of non-destructive testing methods for proving and re-testing low pressure, fibre reinforced plastic highway tankers

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada : by P. Ouellette, S.V. Hoa, and L. Li. Montreal : Concordia University, Faculty of Engineering and Computer Science, Dept. of Mechanical Engineering, 1989. ix, 46 p. : ill. Bibliogr.  
MICROLOG 90-04789 1 fiche

The use of fiberglass reinforced plastic (FRP) in the transportation of corrosive and waste

liquids is appealing to an increasing number of highway tanker operators. Because of the serious consequences of a failure of this type of equipment, appropriate methods of design as well as reliable quality control techniques are required. A method of acoustic emission (AE) testing FRP/BWC tankers was developed by observing AE activity trends upon repeated pressurization of the tankers. Twenty-five tanker tests were conducted; 8 of these were run to bursting pressure. A simple method of measuring AE activity trend was developed, and unambiguous acceptance/rejection criteria was proposed.  
CA PS SC TR

#### Development of process controls for surimi production, part II

Canpolar Inc. St. John's : Dept. of Fisheries and Oceans, Newfoundland Region, Fisheries and Habitat Management, Fisheries Research Branch, 1988. viii, 69 p. : ill. Bibliogr. (Canadian industry report of fisheries and aquatic sciences ; no. 192B) ISSN 0706-3694  
MICROLOG 90-02979 1 fiche

Report covering the second and final phase of a project to develop methods for producing surimi from cod frame waste materials and to develop equipment to facilitate automation of the process. The project involved the installation and evaluation of process sensors, the collection of processing data during pilot line operations; the evaluation of process information feedback to the operator; the development of a processing recipe for cod frame waste on the basis of processing experiments; and the design of a process control system integrating all of the above findings.  
• AP CA CF FI SC

#### Development of the Canadian Environmental Protection Act : response to public input

Ottawa : Environment Canada, 1987. iv, 73 p. French ed. (Suite aux commentaires du public...) : 90-02438/1.  
MICROLOG 90-02437 1 fiche

The purpose of this document is to outline the nature and extent of the consultation process which led to the drafting of the Act; to respond to the comments and suggestions contained in over 300 briefs submitted on the Draft Environmental Protection Act; and to address the proposals put forward at the National Consultation Meeting on the Draft Environmental Protection Act.  
• CA EV SC

#### The Development of twins from overripe roe in the loach

by Kh. Naser El-Din and G.P. Svyatogor. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 8 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5175) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-00082 1 fiche

Study of the development of twins from overripe roe of the loach. Two series of experiments were done with roe from 17 females in water temperatures of 15C and 19C. The roe was taken from the females from 13-45 hours after ovulation and fertilized. The number of twins was then established and their characteristics and internal development described.  
• CA CF FI LS SC

#### Development projects : central core area, 1989

Toronto : Toronto Planning and Development Dept., 1989. vii, 132 p. : maps. CSI 89201.009  
MICROLOG 90-00737 2 fiche

This publication specifies for each project listed, its address and proposed use. It also supplies

the applications for each project, identifying the confirmed municipal address, applicant, agent, architect, planning controls, project information, dwelling units, floor area breakdown, and approved density.  
MU ON PL SA SC

#### Development projects in the central core area, January 1990

Toronto (Ont.). Planning and Development Dept. Toronto : The Dept., 1990. xiv, 131 p. : maps. CSI 89201.009.  
MICROLOG 90-06757 2 fiche

This report lists current projects (from application date to construction) in the central core of the City of Toronto that have six or more dwelling units and/or 1,000 square metres or more non-residential floor area. Includes data for each project on site area, residential and non-residential area, proposed number of residential units, density, parking spaces, height, and loading docks. Projects are listed by street address and proposed use.  
CO MU ON PL

#### Development provision covenants/guidelines : Moncton Industrial Park, Caledonia Industrial Estates

Moncton, N.B. : Moncton Industrial Development, 1990. 12 p.  
MICROLOG 90-03781 1 fiche

Covers development controls, and includes an illustrative sketch of land utilization. It also discusses application and plans for building permits on industrial properties.  
AP MU PL

#### Development research donors in Sub-Saharan Africa : a review of selected agencies

by A.O. Asibey. Ottawa : International Development Research Centre, 1990. vi, 50 p. : ill. Bibliogr. (Manuscript report ; 256e)  
MICROLOG 90-03833 1 fiche (Available on fiche only)

Summary of information on donor support to development research in sub-Saharan Africa, including the estimated resource flow, the general characteristics of donor support, and the strategic intentions of the various agencies. Profiles of selected individual donor agencies (bilateral, multilateral, foundations) are also given. Information was derived from annual reports and other publications as well as interviews with officials in the selected agencies.  
CA EX SC

#### Developmental version of the ROOFDRY model : final report

Scanada Consultants Limited. Ottawa : Canada Mortgage and Housing Corporation, 1989. 23 p. : ill.  
MICROLOG 90-05771 1 fiche

Investigation of the feasibility of developing the ROOFDRY model based on WALLDRY algorithms and using data from Toronto and St. John's. The SUN algorithm for predicting incident solar gain on any surface in an orientation and incline was adapted from the Gorman model and used to generate solar data. To test the SUN algorithm against the original WALLDRY data, a month of predicted solar radiation for vertical surfaces in the south, east, north, and west faces using both the WALLDRY and SUN algorithms, were compared. This report describes the modifications made and the example runs made using the new ROOFDRY model for cathedral ceiling, with a ridge and a pitch of 1:3 in the St. John's area.  
CA EN PL PS SC

#### Developments in building products : opportunities for industrial minerals

by Institute for Research in Construction and



MATEX Consultants Inc. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Mineral Development and Lands Branch, 1990. iv, 164 p. : ill. Bibliogr. (Industrial mineral background paper ; 13) ISSN 0228-7811 ISBN 0-7729-6581-1 MICROLOG 90-05900 2 fiche

This study assess opportunities for Ontario's industrial minerals producers to increase the use of their minerals in building products. The minerals discussed include stone and mineral aggregates, lime products, gypsum products, hydraulic cements, concrete and cement-based products, clay building products, glass building products, polymer-based building products and filler minerals, and alternatives to asbestos. The report identifies trends and new directions in construction practice and materials technology that are currently in use or at advanced levels of development, and that could substantially encourage increased use of industrial minerals. Issues were discussed with representatives of industry and government familiar with both construction and building materials. Other information was obtained from published sources and visits to building technology centres in Britain and Japan. • CA NR ON PL PR PS

#### Developments in Indian and Metis curriculum

Saskatchewan. Indian and Metis Curriculum Advisory Committee. Regina : Saskatchewan Education, 1988. 24 p. MICROLOG 90-03554 1 fiche

Discusses development of the following disciplines: Social Studies, Language Arts, Health-lifestyles, Arts Education, Indian Languages, Native Studies, and Science Education. It also provides information on the Indian and Metis awareness inservice. ED MS NP PR

#### Développement d'un système expert pour les prévisions météorologiques des aéroports, phase I

par Y. Chartier...et al. Montréal : Transports Canada, Groupe des politiques de la coordination, Centre de développement des transports, 1990. xiv, 301 p. : ill. Bibliogr. MICROLOG 90-07189 4 fiche

Ce rapport résume la première phase d'un projet qui a pour but d'élaborer, de développer et d'évaluer un prototype de système expert consultatif, basé sur des principes physiques, afin d'assister le météorologue dans la réalisation de prévisions météorologiques pour les aéroports. Les objectifs techniques de cette phase sont de réaliser un prototype consultatif capable de prédire la base et le sommet des nuages bas, à l'exception des nuages formés par convection profonde. Le document donne la description du problème et se penche ensuite sur les points suivants: la présentation du projet OASIS; la représentation des données météorologiques; la représentation des sortes de modèles numériques; la description du prototype; la présentation des résultats; et, les conclusions. PR PS QU SC TR

#### Développement de la motoneige arctique : recherche sur des matériaux légers pour la suspension et la flottabilité

par P. Poole. Montréal : Transport Canada, Groupe des politiques et de la coordination, Centre de développement des transports, 1988. ix, 29 p. : ill. MICROLOG 90-07196 1 fiche

Ce rapport traite des travaux de développement de la motoneige arctique Samak 428 et des trois objectifs fixés à la recherche: améliorer la suspension, étudier les possibilités offertes par les matériaux composites légers et assurer la flottabilité du véhicule par une technique appropriée. Une suspension arrière

à flexibilité variable a été conçue et essayée avec succès sur un prototype et ce rapport en fournit les détails. CA SC TR

#### Le Développement des connaissances pour la promotion de la santé : un appel à l'action

Ottawa : Santé et bien-être social Canada, Direction générale des services et de la promotion de la santé, 1989. iii, 233 p. : ill. Bibliogr. (Document de travail de la Direction générale des services et de la promotion de la santé ; HSPB 89-2) L'éd. anglaise (Knowledge development for...) : 90-00222/3 ISBN 0-662-95391-6 MICROLOG 90-00221 3 fiche

Ce rapport a pour but de susciter et d'encourager le processus de développement des connaissances en matière de promotion de la santé. Il vise à servir de véhicule pour la diffusion des résultats des travaux sur les éléments du Plan d'ensemble pour la promotion de la santé. De plus, il résume les principales caractéristiques du Plan d'ensemble pour la promotion de la santé; étudie les éléments de développement des connaissances; et passe en revue les principales activités en matière de diffusion et de recherche menées par Santé et Bien-être social Canada à ce jour. Cette partie se termine sur l'examen des mesures à prendre à l'avenir pour faire progresser le processus de développement des connaissances. Finalement, le document présente les grandes lignes et les résumés de 24 revues et rapports de recherche commandés par le Groupe de travail sur les priorités de recherche en promotion de la santé et en prévention des maladies. CA HE

#### Développement des ressources humaines : résultats d'une enquête internationale menée par le Centre de recherches pour le développement international et l'Agence canadienne de développement international

Ottawa : Centre de recherches pour le développement international, 1989. iv, 184 p. : ill. (Rapport manuscrit ; 236f) L'éd. anglaise (Human resource development...) : 90-00194/3. MICROLOG 90-01148 3 fiche (Available on fiche only)

Le Sondage sur le développement des ressources humaines constitue une première tentative visant à justifier, de manière globale et comparable, les objectifs que les principaux organismes de développement se sont fixés en matière de DRH, de même que la diversité des types et mécanismes de prestation des programmes. Le document porte principalement sur les points suivants: les méthodes de sondage et caractéristiques de l'échantillon; les objectifs du développement des ressources humaines; les programmes de formation; la sélection des candidats pour la formation; les services d'appui, et le contrôle et l'évaluation. CA EX LA

#### Développement des ressources humaines en Afrique : politiques vis-à-vis des études à l'étranger dans les pays donateurs

par M. Diambomba. Ottawa : Centre de recherches pour le développement international, 1989. 59 p. Bibliogr. (Rapport manuscrit ; 220f) MICROLOG 90-00250 1 fiche (Available on fiche only)

Puisque le développement des ressources humaines est, pour les pays africains, la raison majeure motivant l'envoi de leurs étudiants en formation à l'étranger, on suppose que ces étudiants y vont avec des objectifs professionnels clairs. Le but de cette

recherche est de voir si le séjour à l'étranger modifie ces objectifs et, en conséquence, si les plans de carrière de ces étudiants sont différents pendant, et à la fin de leurs études de ce qu'ils ont au moment de les entreprendre. Le document se penche particulièrement sur les politiques africaines vis-à-vis des études à l'étranger, les politiques de pays donateurs vis-à-vis des études à l'étranger, et les mesures restrictives à l'admission des étudiants. CA ED EX

#### Développement durable dans le cadre des EDER et des EDE : l'intégration des considérations d'ordre environnemental aux décisions d'ordre économique : rapport intérimaire

Ottawa : Environnement Canada, Service canadien de la faune, Direction du développement durable, 1988. 33 p. L'éd. anglaise (Sustainable development in ERDAs...) sur la même fiche. MICROLOG 90-06324 1 fiche

Ce document a été préparé à l'intention des bureaux régionaux et de l'administration centrale du MDE pour faciliter leurs discussions avec les organismes fédéraux et provinciaux/territoriaux engagés dans des négociations visant à conclure des ententes de développement régional et économique (EDER) et des ententes de développement économique (EDE). Son objectif général est d'examiner les possibilités de gains économiques qu'offre l'environnement et les principales contraintes d'ordre environnemental. Il examine particulièrement: l'intégration des considérations d'ordre environnemental et économique; la représentation du MDE au sein des comités de gestion de certaines ententes auxiliaires; et, la promotion des initiatives prises. • CA CO EV SC

#### Un Développement économique durable : rapport

Comité sur le développement économique non préjudiciable à l'environnement. Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 22 p. L'éd. anglaise (Sustainable economic development...) sur la même fiche. Présenté à la Conférence des gouverneurs de la Nouvelle-Angleterre et des premiers ministres de l'est du Canada MICROLOG 90-00521 1 fiche

Le Groupe de travail sur l'environnement et l'économie dont les membres représentent les secteurs privé et public, les universités et les principales organisations écologistes est chargé de trouver des moyens pour remplacer les anciens obstacles à la croissance et au changement dans un esprit renouvelé de coopération et d'association. Le Comité s'est réuni trois fois et, dans ce rapport, expose ses conclusions et recommande certaines actions. CA CO EV EX SC

#### Le Développement régional au Canada -- Rév.

par G. Beaumier. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 14 p. Bibliogr. (Bulletin d'actualité ; 88-13F) L'éd. anglaise (Regional development in Canada) sur la même fiche. ISBN 0-660-92717-9 MICROLOG 90-01840 1 fiche

Ce bulletin donne un aperçu de la politique de développement régional mise en oeuvre par le gouvernement fédéral depuis la Seconde Guerre mondiale, pendant cette période, les gouvernements fédéral et provinciaux ont consacré beaucoup de ressources à la réduction des inégalités régionales au Canada. CA CO PA



**Le Développement socio-économique régional : un choix à raffermir en éducation**

avis au Ministre de l'éducation et Ministre de l'enseignement supérieur et de la science. Québec : Conseil supérieur de l'éducation, 1989. 58 p. ISBN 2-550-14972-6  
MICROLOG 90-01999 1 fiche

Cet avis comprend trois chapitres. Le premier dégage de l'analyse de l'évolution de notre société une trajectoire qui se dessine assez nettement : celle du développement régional endogène, c'est-à-dire du développement du milieu par le milieu. La deuxième décrit et analyse la contribution actuelle du système et des établissements d'éducation au développement régional. La troisième propose des orientations et trace des voies d'action, dans le cadre d'une stratégie d'ensemble et d'une mise en oeuvre adaptée.  
ED PR QU

**Diagnostic characteristics of subfamilies of the Tubificidae family *Oligochaeta***

by N.P. Finogenova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 18 p. Bibliogr. (Canadian translation of *Fisheries and aquatic sciences* ; no. 5245) Originally published in Russian, at Moscow, USSR. ISSN 0704-3716  
MICROLOG 90-02715 1 fiche

Key to the subfamilies of the Tubificidae compiled on the basis of the presence or absence of large coelomocytes in the body cavity, the mode of attachment, form and number of prostatic glands on each male gonoduct, the location of the spermathecal pores, and the nature of the male sexual cells. A new subfamily, *Nootkadriliinae*, was established for 2 marine genera. The composition, at the genus level, is given for all 7 subfamilies. The description of *Svetlovia maculata* Cekanovskaja was expanded following a review of the holotype of this species.  
• CA CF FI LS SC

**Diarrhetic shellfish poison examination using monoclonal antibodies**

by T. Uda and T. Yasumoto. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 18 p. : ill. Bibliogr. (Canadian translation of *Fisheries and aquatic sciences* ; no. 5456) Originally published in Japanese ISSN 0704-3716  
MICROLOG 90-00609 1 fiche

Shell poisons are divided into paralytic shell poison and diarrhetic shell poison, both of which constitute a grave problem to health and the shellfish culture industry. The paper describes the manufacture of monoclonal antibodies for the diarrhetic shellfish poison and the development of an assay method which enables the detection of traces of shellfish poison in a short time.  
• CA CF FI LS SC

**Diatomaceous earth occurrences in Nova Scotia**

by A.R. Anderson. Halifax : Dept. of Mines and Energy, 1990. v. 132 p. : maps. Bibliogr. (Economic geology series ; 90-1)  
MICROLOG 90-05911 2 fiche

Diatomaceous earth or diatomite is a siliceous sedimentary material formed by the accumulation of the skeletal remains of microscopic plants commonly known as diatoms. This report describes the physical properties and uses of diatomite, their origin and mode of occurrence, the history of production in Nova Scotia, current mining and processing, and the economics of production. Seventy-five occurrences were investigated and 35 were selected for sampling, based on potential for

future development, as determined by the extent of the reserves and the quality of the material reported to exist. Deposits that were worked in the past were also sampled to determine whether mineable reserves remain and provide a record of the quality of the material used in past markets.  
AP NR PR PS SC

**Differences in sauger growth regimes among three major areas of Lake Winnipeg**

by W. Lysack and L. Ebbeling. Winnipeg : Manitoba Natural Resources, Fisheries Branch, 1980. iv, 23 p. : ill. Bibliogr. (Manuscript report ; no. 80-15)  
MICROLOG 90-05593 1 fiche

Saugers and walleyes are known to hybridize in nature and may also be artificially propagated. This study was initiated in response to continuing reports of the occurrence of large saugers in the commercial catches of Berens River fishermen. The study determined if major differences exist between the sizes of sauger present in various areas of Lake Winnipeg; if sauger-walleye hybrids exist in Lake Winnipeg and if these hybrids are the large saugers that are reported by fishermen; and related size differences of saugers from various areas to growth of saugers and to fishery effects.  
FI MS PR SC

**The Differentiation of Alberta service centres, 1985**

by W.K.D. Davies. Edmonton : Alberta Municipal Affairs, 1986. 44 p. Bibliogr. This document is part 1 of 'A Spatial analysis of service centres in Alberta, 1986'.  
CSI 34112.203  
MICROLOG 90-05195 1 fiche

The study is a classification of 376 Alberta service centres based on the differential location of 83 commercial functions in the centres. The report describes the data and techniques used in the analysis as well as the typical functions found in the eight groups of places that were identified and their spatial distribution in the province.  
AL CO PR ST

**A Digital simulation of moisture movement through a layered column of sand and AFBC solid waste : preliminary report, 1987**

by A. Vandenberg. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 43 p. Bibliogr. (NHRI contribution ; no. 88015) ISSN 0838-1992  
MICROLOG 90-05377 1 fiche

A large facility for indoor aquifer testing is being constructed to study moisture and contaminant movement in a ground-water system under controlled conditions. The model described in this report was constructed to simulate the vertical movement of soil moisture through an unsaturated bed of atmospheric fluidized bed combustion (AFBC) solid waste, underlain and overlain by sandy soil. The model is based on a finite difference solution to Richard's equation and features an iterative routine for the calculation of flow between adjacent elements, when the elements are soil-physically dissimilar, and a self-adjusting time step. The model and two examples of a simulation are discussed. Details on the use of the program, a FORTRAN source code listing, and an example of a data set are given also.  
CA NR PS SC

**Diisocyanate de diphenylméthane (MDI) et diisocyanate de polyphénylméthane (PMPPI)**

Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1990. i, 20 p. Bibliogr. (Fiche toxicologique ; no 30) ISSN 0827-8849  
ISBN 0-660-92210-X  
MICROLOG 90-05577 1 fiche

Document portant sur les risques du diisocyanate de diphenylméthane (MDI) et du diisocyanate de polyphénylméthane (PMPPI). On décrit la toxicité, les risques d'incendie et d'explosion et la réactivité de ces deux composés. Des renseignements sont donnés sur les mesures de protection, l'entreposage, la manutention, le nettoyage, l'élimination, les premiers soins, l'échantillonnage et l'analyse. On souligne la signification de ces renseignements pour le milieu de travail. Une attention particulière est donnée au risque principal que présentent le MDI et le PMPPI.  
• CA EV HE LA SC

**Diisocyanate-1,6 d'hexaméthylène et les polyisocyanates à base de HDI**

Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1990. 17 p. Bibliogr. (Fiche toxicologique ; no 28) ISSN 0827-8849  
ISBN 0-660-92216-9  
MICROLOG 90-05580 1 fiche

Cette fiche porte sur les risques du HDI et des polyisocyanates à base de HDI. On décrit la toxicité, les risques d'incendie et la réactivité de ces substances et on fournit des renseignements sur les mesures de protection, l'entreposage, la manutention, le nettoyage, l'élimination, l'échantillonnage et l'analyse. On souligne la signification de ces renseignements pour le milieu de travail. Une attention particulière est donnée au risque principal que présentent le HDI et les polyisocyanates à base de HDI.  
• CA EV HE LA SC

**Dimensional growth, difference-based equations and growth prediction**

by F.L. Raymond. Toronto : Ministry of Natural Resources, 1989. 19 p. : ill. Bibliogr. (Forest research report ; no. 123) ISSN 0361-3924  
ISBN 0-7729-5748-7  
MICROLOG 90-00137 1 fiche

Growth curves measured by the tree ring increment measurement (TRIM) system often reflect years or longer periods with rates that fluctuate about the general path. Preliminary examination of such curves suggested that a study of growth rates might prove more productive than one confined to growth increments. Eventually it became clear that the basic growth-rate equation, which was an integral solution of a 'differential' equation, or any elaboration of it, was unsuitable for situations in which the growth rate does not remain constant. This problem was resolved by replacing the differential-based equations with difference-based equations related to 'difference' equations capable of providing exact fits in situations involving rates that constantly increase or decrease and which track irregular growth fairly well even when the growth rates change nearly every year. This paper describes the materials and methods involved in developing the equations, and gives results with a discussion of them.  
FO LS ON PR SC

**Les Dimensions de l'égalité : suite donnée au plan d'action du gouvernement fédéral concernant les femmes**

Ottawa : Condition féminine Canada, 1989. 89. 78 p. Bilingue (*Dimensions of equality...*).  
MICROLOG 90-00161 2 fiche

Ce document vérifie dans quelle mesure le gouvernement fédéral s'est acquitté des engagements précis énoncés dans ce document



et examine l'ensemble de ses réalisations en ce qui concerne l'avancement des femmes dans la société. Les sujets traités sont: les femmes dans la population active; les femmes et l'entreprise; les femmes et l'agriculture; les femmes dans la fonction publique fédérale; les femmes dans les forces canadiennes; la formation; les droits à l'égalité; la femme et le droit; la violence familiale; la garde des enfants; les programmes sociaux; la santé; les femmes autochtones; les femmes handicapées; les femmes immigrantes et membres des minorités visibles; les femmes âgées; les nominations; la condition physique et le sport; l'éducation; les communications et la culture; le financement des associations féminines; l'égalité des femmes à l'échelle mondiale; et l'intégration de la femme dans le développement.

CA PA SA

### Dimensions of equality : an update of the federal government work plan for women

Ottawa : Status of Women Canada, 1989. 78 p. *Bilingual (Les Dimensions de l'égalité...)*. ISBN 0-662-56596-7  
MICROLOG 90-00161 2 fiche

This document assesses the government's progress in addressing issues of concern to women, specifically with regard to economic equality, social justice, participation, and access, and puts forward a program of further action to be accomplished over a two-year period on behalf of Canadian women.

CA PA SA

### Dioxin sampling and analysis of select municipal drinking water sources in the Athabasca River basins

Edmonton : Alberta Environment, Environmental Protection Services, 1990. 51 p. Bibliogr.  
MICROLOG 90-06684 1 fiche

Public awareness and concern for the presence of chlorinated dioxins and furans in bleached kraft mill effluent resulted in a concern by a number of municipalities downstream of existing and planned bleached kraft mill developments as to the impact of such wastewater discharges on drinking water supplies. A dioxin/furan sampling program was undertaken at select communities to address this issue. The program determined the levels of dioxins/furans in both raw and treated drinking water, and with this information assessed whether drinking water quality had been unduly impacted. The resulting data served as a baseline for possible future comparisons of river quality.

AL EV PR SC

### Diploma Examinations Program : provincial report : 1989 administration

Edmonton : Alberta Education, Student Evaluation and Records, 1989. xii, 116 p. : ill. *CSI 34106.008*.  
MICROLOG 90-02580 2 fiche

This document provides a summary of results for students who earned both a school-awarded mark and a diploma examination mark. In addition, it presents totals for January and June in comparison with 1988 figures. It also reports detailed results for each subject, and presents results for those students who wrote French translations of examinations. Finally, it analyzes student achievement by gender.

AL ED PR

### Diplomatic, consular and other representatives in Canada

Ottawa : Dept. of External Affairs, 1989. 106, 109 p. *Bilingual (Représentants diplomatiques, consulaires...)*. ISBN 0-660-54839-9  
MICROLOG 90-00006 3 fiche

This document lists representatives in order of precedence and alphabetically including the representative's address. It also specifies international organizations, national days, and government holidays.

• CA EX PA

### Direction for the 1990s

Yellowknife : Culture & Communications, 1988. 15 p.  
MICROLOG 90-00145 1 fiche

This publication discusses ways of stimulating economic growth, improving education, shaping public government, and supporting aboriginal initiatives. It also examines the place of the Northwest Territories in the world.

CO NO PA PR

### Directions : review of Ontario's regulatory agencies : overview

Toronto : Management Board of Cabinet, 1989. 28, 29 p. *Bilingual (Orientations : examen des organismes...)*. ISBN 0-7729-5922-6  
MICROLOG 90-02614 1 fiche

Reviews the individual chapters of the report. The chapters cover a definition of agencies, differences between agencies and the courts, the influence of Dicey and McRuer, areas of concern for agencies, the agencies and the ombudsperson, the recovery of agency hearing costs, needed structural changes, and increased statutory powers.

ON PA PR

### Directions for reform : a framework for reform of sentencing, corrections and conditional release

Ottawa : Solicitor General Canada, 1990. vii, 32, vii, 34 p. Bibliogr. *Bilingue (Vers une réforme : un cadre pour...)*. ISBN 0-662-57574-1  
MICROLOG 90-07152 1 fiche

This paper addresses the central issues pertaining to sentencing, corrections, and conditional release. It also sets general directions for the work of the federal government in the coming years in these key areas.

CA JU

### Directions for reform : corrections and conditional release

Ottawa : Solicitor General Canada, 1990. 74, 79 p. *Bilingual (Vers une réforme : les affaires...)*. ISBN 0-662-57575-X  
MICROLOG 90-07153 2 fiche

The Framework Paper in this consultation package identified a number of goals for criminal justice reform which cut across the boundaries between sentencing, sentence administration and conditional release. This paper addresses those goals by proposing policy and legislative change in the field of correctional operations and conditional release.

CA JU

### Directions for reform : sentencing

Ottawa : Dept. of Justice, 1990. 68, 71 p. Bibliogr. *Bilingue (Vers une réforme : la détermination...)*. ISBN 0-662-57573-3  
MICROLOG 90-07151 2 fiche

This document outlines reforms intended to achieve the following objectives: to provide a consistent framework of policy and process in sentencing matters; to implement a system of sentencing policy and process approved by Parliament; and to increase public accessibility to the law respecting sentencing.

CA JU

### Directives d'exposition concernant la qualité de l'air des résidences : rapport -- Rév.

Comité consultatif fédéral-provincial de l'hygiène du milieu et du travail (Canada). Ottawa :

Santé et bien-être social Canada, 1989. iii, 26 p. *L'éd. anglaise (Exposure guidelines...) sur la même fiche*. ISBN 0-662-96146-3  
MICROLOG 90-06861 1 fiche

On reconnaît maintenant que le milieu intérieur, en dehors des industries, peut contribuer de façon significative à l'exposition des personnes aux polluants atmosphériques. C'est particulièrement le cas dans les pays comme le Canada où les longs hivers froids et les étés chauds poussent les gens à passer de longues périodes dans des édifices à air climatisé. En juin 1980, le sous-ministre de la Santé de l'Ontario a demandé qu'une étude fédérale-provinciale soit entreprise afin d'établir des normes sur la qualité de l'air dans les nouvelles maisons. On a proposé de mettre sur pied un groupe de travail sur la qualité de l'air intérieur au cours de la réunion d'octobre 1980 du Comité consultatif fédéral-provincial de l'hygiène du milieu et du travail. Le document examine particulièrement le but et la portée de l'étude, l'élaboration de directives et de recommandations, les substances assujetties à des directives d'exposition, et les substances faisant l'objet de recommandations pour la limitation de l'exposition.

CA EV SC

### Directives de la Direction des médicaments : glossaire

Ottawa : Santé et bien-être social Canada, Direction générale de la protection de la santé, 1990. ii, 35 p. *Bilingue (Drugs Directorate guidelines...)*.  
MICROLOG 90-05231 1 fiche

Ce glossaire a été créé par la Direction des médicaments de la Direction générale de la protection de la santé. Il vise à uniformiser les termes qui seront employés dans le cadre du système de suivi des présentations de drogues, en vigueur depuis le 1er juillet 1989. Il donne les termes anglais-français ainsi qu'une définition pour chaque terme.

CA HE

### Directives de mise en oeuvre de la déclaration de principes sur l'aménagement du territoire pour le logement

Toronto : Ministère des affaires municipales ; Ministère du logement, 1990. 32, 32 p. : ill. *Bilingue (Implementation guideline...)*. ISBN 0-7729-660-1  
MICROLOG 90-05009 1 fiche

Ces directives portent sur cinq principaux domaines d'action, la disponibilité des terrains; la rationalisation du processus d'autorisation d'utilisation du sol, la gamme de catégories de logement; l'optimisation domiciliaire; et, la surveillance. Un chapitre est consacré à chacun de ces domaines. Il y a également des chapitres traitant de l'application et de la mise en oeuvre de la déclaration. Finalement, des annexes contiennent une liste des municipalités identifiées comme des endroits prioritaires et un répertoire des sections des ministères des Affaires municipales et du Logement, là où une aide supplémentaire est disponible.

ON PL PR SA SC

### Directives environnementales : applicables à la localisation, la construction et l'exploitation de canalisations de transport d'hydrocarbures en Ontario -- 3e éd.

Toronto : Commission de l'énergie de l'Ontario, 1989. 41 p. *L'éd. anglaise (Environmental guidelines) sur la même fiche*. ISBN 0-7729-5520-4  
MICROLOG 90-04275 1 fiche

Ces directives portent essentiellement sur le choix de tracé, l'analyse du tracé préférentiel; l'impact écologique; le contrôle du respect de la réglementation, surveillance et sécurité, et, la représentation schématique du processus



d'élaboration de l'étude à présenter par les auteurs d'une demande de permis de construire soumise à la Commission de l'énergie de l'Ontario.  
EN EV ON PR SC

### Directives environnementales pour la prospection sismique dans le Nord canadien

Hardy BBT Limited. Ottawa : Programme des affaires du Nord, 1988. iv, 34 p. : ill., cartes géogr. Bibliogr. ISBN 0-662-95040-2  
MICROLOG 90-01150 1 fiche

La découverte de gisements naturels économiquement exploitables, tels que les métaux, les alcalino-terreux et les hydrocarbures, dépend énormément des techniques de détection à distance utilisées. D'une très haute précision, la méthode sismique donne une analyse détaillée du sous-sol et est devenue la technique la plus employée pour la recherche de nappes d'hydrocarbures à de très grandes profondeurs. Ce guide est conçu pour aider les prospecteurs à réduire au maximum les répercussions sur l'environnement pendant une campagne de prospection sismique dans le Nord canadien. Il aborde principalement les sujets suivants: le permis d'utilisation des terres et règlements connexes, le pergélisol et la prospection sismique dans le Nord; la planification; le défrichement; les travaux sur le terrain; et le nettoyage et remise en état des lieux.

• CA EV SC

### Directives pour l'évaluation des besoins en matière d'adaptation des personnes handicapées en vertu du Code des droits de la personne de l'Ontario (1981) dans sa version modifiée

Toronto : Ministère des affaires civiles, 1989. 21, 21 p. *Bilingue (Guidelines for assessing...)* ISBN 0-7729-5963-3  
MICROLOG 90-03269 1 fiche

Ce document constitue la première tranche des directives à être diffusées par la Commission sur la question de l'adaptation. Les directives de ce document portent sur le groupe de personnes protégées contre la discrimination fondée sur un 'handicap'. Il examine particulièrement l'objet des directives; les normes d'adaptation; les normes d'évaluation des préjudices injustifiés; le respect de la dignité des personnes handicapées, et, la preuve d'un préjudice injustifié.  
ON PR SA

### Directory of adult literacy programs in Manitoba, 1989

Winnipeg : Manitoba Education and Training, Adult and Continuing Education, 1989. 9 p.  
MICROLOG 90-00451 1 fiche

This directory lists the programs alphabetically and provides for each an address, telephone number, contact person, and a short description of the program.  
ED MS PR SA

### Directory of adult literacy programs in Manitoba, 1990

Winnipeg : Manitoba Education and Training, 1990. 15 p. *CSI 41126.001*.  
MICROLOG 90-07239 1 fiche

Lists the programs alphabetically and identifies, for each program, an address, telephone number, and contact person. It also provides a brief description of each program.  
MS PR SA

### Directory of agricultural marketing boards in Canada, 1988

Ottawa : Agriculture Canada, Agriculture Development Branch, Commodity Production and Marketing Directorate, 1989. 31 p. *Bilingual (Répertoire des offices...)*. 1989 amendments (16 p.) laid in. *CSI 22102.003*.  
MICROLOG 90-04143 1 fiche

Lists the governing bodies for provincial Marketing Boards in Canada, the governing body for federal marketing agencies, and the federal marketing agencies. It also lists the Boards for each province.  
AG CA CO SC

### Directory of education, 1989-90

Toronto : Ministry of Education, 1990. xix, 280 p. : maps. *Bilingual (Annuaire de l'administration...)*. *CSI 55108.009*. ISSN 0316-8549  
MICROLOG 90-05143 4 fiche

The Directory is a comprehensive listing of publicly supported schools, school boards, and education officials. It is divided into seven sections. The first section provides a list of provincial schools; the other sections are devoted to the various regions. Each regional section includes the address of the regional office of the Ministry of Education, a list of the ministry officials in the regional office, and a regional map.  
ED ON PR

### Directory of Environment Canada programmes and services, Québec region

Canada. Environment Canada. Québec Region. Québec : The Region, 1988. 16, 16 p. : ill. *Bilingual (Annuaire des programmes...)*. *CSI 21140.001*. ISBN 0-662-55676-3  
MICROLOG 90-06925 1 fiche

Directory of Environment Canada's structure and its environmental protection and conservation activities in the Québec region. The document describes the goals, objectives and mandate of Environment Canada and the responsibilities and activities of the Committee of Regional Executives, the Communications Branch, the Canadian Parks Service, the Environmental Protection Branch, the Canadian Wildlife Service, the Inland Waters Branch and the Atmospheric Environment Service in Québec. An organization chart is included.  
CA EV QU SC

### Directory of goods and services for exploration companies

by M.E. Devanney and H.V. Donohoe. Halifax : Nova Scotia Dept. of Mines and Energy, 1988. 11 p. (Information circular ; 1)  
MICROLOG 90-06226 1 fiche

List of companies, arranged by subject and company, that offer goods and services to individuals, prospectors and companies involved in Nova Scotia's exploration industry.  
AP NR PR PS SC

### Directory of institutions, 1990 : freedom of information and protection of individual privacy

Toronto : Management Board Secretariat, Freedom of Information and Privacy Branch, 1990. 33, 39 p. *Bilingual (Répertoire des institutions...)*. *CSI 56277.003*. ISSN 0845-096X  
MICROLOG 90-04135 1 fiche

This directory provides an alphabetical listing of the ministries and agencies covered by the Act. For each of these organizations, the following information is provided: the name and office of the head of the ministry or agency; the title, address and telephone number of a contact

person in each ministry/agency who will assist individuals in making requests under the Act and the location where a request may be made; and the location of a reading room for the review of manuals and other information.  
JU ON PR

### Directory of labour organizations in Canada, 1989

Ottawa : Bureau of Labour Information, 1989. xx, 254 p. *Bilingual (Répertoire des organisations...)*. *CSI 21114.004*. ISBN 0-662-55431-0  
MICROLOG 90-03583 3 fiche

The Directory is a compendium of data on union membership, and unions, congresses, and other labour organizations in Canada. It includes an alphabetical listing of union organizations, the names and addresses of principal officers, titles of union publications, upcoming conventions, and the geographic distribution of union local branches in Canada.  
CA LA

### Directory of labour organizations in New Brunswick, 1989

Fredericton : Dept. of Labour, Labour Division, Labour Policy Branch, 1990. x, 104 p. *French ed (Annuaire des syndicats...)* : 90-6951/2. *CSI 45111.002*. ISSN 0702-973X  
MICROLOG 90-06950 2 fiche

Contains statistics on union membership in New Brunswick, a directory of unions in the province. It also includes information on union representatives, the central labour congress, and the construction associations and trades councils.  
AP LA PR

### Directory of New Brunswick researchers in science and technology

compiled and edited by Diane N. Buhay. Sackville, N.B. : Mount Allison University, Ralph Pickard Bell Library, Information Transfer Office, 1989. 108 p. ISBN 0-88828-084-X  
MICROLOG 90-06133 2 fiche

This directory is a compilation of scientists and engineers who are employed primarily in universities and governmental organizations. The directory gives locations for the institutions and lists the researchers alphabetically by surname. Indices are included by name, discipline and institution. Information on researchers includes education, discipline, address and research interests.  
AP PR SC

### Directory of public schools in operation, 1989-90

Nova Scotia. Dept. of Education. Halifax : The Dept., 1989. 54 p. *CSI 51104.003*.  
MICROLOG 90-03309 2 fiche

For each school listed, this document provides an address and telephone number, the name of the principal, number of teachers, grades taught, and approximate enrolment.  
AP ED PR

### Directory of senior officials, 1989

Nova Scotia. Dept. of Government Services. Halifax : The Dept., 1989. 34 p. *CSI 51117.001*.  
MICROLOG 90-01441 1 fiche

This directory lists members of the government, the Lieutenant Governor, the Premier, and members of the province's various Ministries, Departments, and Commissions.  
AP PA PR



# Directory of senior officials, 1990

Nova Scotia. Dept. of Government Services.  
Halifax : The Dept., 1990. 38 p.  
CSI 51117.001.  
MICROLOG 90-06777 1 fiche

Lists officials in the various provincial governmental departments. It also lists agencies, boards, and commissions. Name, title, phone number and address of the department, agencies, board or commission, is given.  
AP PR SA

# Directory of services offered to disabled persons in New Brunswick, 1990 -- 7th ed.

New Brunswick. Premier's Council on the Status of Disabled Persons. Fredericton : The Council, 1990. ii, 117 p. French ed. (*Répertoire des services...*) : 90-06089/2. CSI 46147.001. ISSN 0833-5613  
MICROLOG 90-06088 2 fiche

Provides a descriptive list of services and programs by non-profit organizations or government to the people of the province with handicaps or disabilities.  
AP PR SA

# A Directory of the Newfoundland converted wood products industry, 1988

by J.E. Winsor. S.I. : Forest Resource Development Agreement, 1989. v, 40 p. : maps. (FRDA report : 004) ISSN 0835-0752 ISBN 0-662-17207-8  
MICROLOG 90-02966 1 fiche

Directory giving names, addresses and product specialty of 83 converted wood products firms in Newfoundland and Labrador. The information was collected through a survey conducted during the summer of 1988. Firms are divided into the sub-groups of residential products and interior fixtures; furniture and fixtures; and other wooden products such as wooden boxes and pallets, wood preservation, boatbuilding and repair, toys and games, and signs and displays.  
AP CA CO FO SC

# Directory of wildlife and habitat specialists

compiled and edited by Paul A. Gray and Gary R. Ironside. Ottawa : Environment Canada, Canadian Wildlife Service, Canada Committee on Ecological Land Classification, Wildlife Working Group, 1989. vi, 96 p. Bilingual (*Annuaire de spécialistes...*). ISBN 0-662-56791-9  
MICROLOG 90-02430 2 fiche

Directory compiled for the CCELC Working Group members, as well as other interested individuals. Provides a list of people presently interested in or working on projects related to land/wildlife integration, ecological land survey, wildlife habitat inventory and monitoring and other related issues.  
CA EV SC

# Disabled population in Alberta, 1986-87

Edmonton : Alberta Health, 1990. 38 p. : ill. CSI 34123.200.  
MICROLOG 90-07361 1 fiche

The purpose of this report is to provide estimates of the prevalence of disability in Alberta based on preliminary data from a 1986-1987 Health and Activity Limitation Survey, published by Statistics Canada.  
AL PR SA ST

# Un Discours douloureux : des perspectives sur la modification du comportement

Downsview, Ont. : Institut G. Allan Roeher,

1988. 194 p. Bibliogr. L'éd. anglaise (*The Language of pain...*) : 90-03795/2. ISBN 0-920121-36-5  
MICROLOG 90-03796 3 fiche (Available on fiche only)

Ce document se penche sur les points suivants: la position de l'Association canadienne pour l'intégration communautaire sur l'utilisation des procédés aversifs; le conditionnement par aversion; l'usage des méthodes aversives; la redéfinition du problème; l'efficacité des méthodes de modification du comportement dans le cas des personnes étiquetées comme présentant un handicap intellectuel; une thérapie aversive; la thérapie par aversion vue par un médecin de famille; la défense juridique des droits et les méthodes aversives; les techniques aversives; les droits à l'égalité et la thérapie aversive; et le point de vue d'un défenseur des droits.  
• BS CA SA

# Discrimination against blacks in Nova Scotia : the criminal justice system

see Royal Commission on the Donald Marshall, Jr., Prosecution, vol. 4 : discrimination against blacks in Nova Scotia : the criminal justice system

# Discrimination in the Edmonton taxi industry

by W. Nichols and J. Gartrell. Edmonton : Human Rights Commission, 1989. vi, 55 p. : ill.  
MICROLOG 90-02291 1 fiche

This study addresses two issues: discrimination by taxi customers and within the industry, and the perception of discrimination in the work experiences of taxi drivers. It relies on information gathered by field observation, interviews with cab company personnel, and telephone interviews with 10 percent of Edmonton's taxi drivers.  
AL MU SA

# Discussion paper on compensation for chronic occupational stress

Toronto : Workers' Compensation Board, 1989. 36 p. Bibliogr.  
MICROLOG 90-02844 1 fiche

Presents an interactive model of stress, and discusses workplace stressors, high stress occupations, non-workplace stressors, and stress moderators. It also, examines using criteria from the scientific literature in adjudication, the use of psychiatric evidence in determining causation, the classification of psychological stress claims, the current board practice, legal authority for compensating stress-related claims, options for the legal test in mental-mental claims, and the need for consultation.  
LA ON PR

# Discussion paper on distress in commercial tenancies

Winnipeg : Law Reform Commission, 1990. ii, 69 p.  
MICROLOG 90-06255 1 fiche

The purpose of this paper is to examine the law of distress in commercial tenancies in Manitoba, to identify problem areas and to discuss the various options for reform. It also sets out the present state of the law in Manitoba and identifies some of its weaknesses and presents options for reforming these weaknesses. It concludes with a request for comments on the adequacy of the present law and the options for reform which is presented.  
JU MS PR

# Discussion paper on lot levies and front-end financing

Toronto : Association of Municipalities of Ontario, 1987. 28 p. (AMO report : report series 1987 : 87-8)

MICROLOG 90-00851 1 fiche (Available on fiche only)

This report explains the Association's position on lot levies and front-end financing and identifies the key principles which must be achieved if the municipal sector is to be fairly served by new legislation.  
CO MU ON PA

# Discussion paper on municipal conflict of interest

Toronto : Ministry of Municipal Affairs, 1990. 22, 23 p. Bilingual (*Document...sur les conflits d'intérêts...*). ISBN 0-7729-5620-0  
MICROLOG 90-05877 1 fiche

The purpose of this document is to provide a framework for dialogue on the subject by identifying some of the areas of concern and some of the alternatives for addressing these concerns. It begins with a brief overview of the purpose of conflict of interest laws and is followed by a history of municipal conflict of interest legislation in Ontario and an overview of the current legislation. It then discusses some areas of concern and some possible approaches for redress. It also gives consideration to legislation in other jurisdictions.  
ON PA PR

# Discussion paper on the establishment of an advisory committee on environmental standards and the development of environmental standards and guidelines

Toronto : Environment Ontario, 1988. 11, 11 p. : ill. Bilingual (*Formation du comité consultatif...*).  
MICROLOG 90-01200 1 fiche

This discussion paper is part of the public input prior to the establishment of an Advisory Committee on Environmental Standards. This Committee would provide recommendations on standards and guidelines for environmental contaminants following consideration of pertinent scientific, legal, economic and social issues and consultation with the public. The paper includes background information on the characteristics of standards and guidelines, the role of the public in setting standards and guidelines, and a description of the proposed public consultation process, including membership, and role.  
EV ON PR SC

# A Discussion paper towards a farm practices bill

Winnipeg : Dept. of Agriculture, 1989. iv, 22 p. : ill.  
MICROLOG 90-04956 1 fiche

Some practices carried out by farmers in the normal production of crops and livestock result in the generation of odour, noise, dust, etc., that may be considered nuisances to other people living or working nearby. Manitoba has a nuisance act, but it only applies to odour, has no provision for determination of acceptability of practices employed in the event of complaints, and is not readily identifiable with the agricultural community. Since Manitoba's agricultural areas are increasingly being encroached upon by non-farm uses, there is a need for nuisance legislation which would address other issues than that of odour. This discussion paper covers such areas and gives reasons why such an Act is needed.  
AG MS PR SC

# Les Discussions et ententes sur le plaidoyer

Ottawa : Commission de réforme du droit du Canada, 1989. 106, 97 p. Bibliogr. (Document de travail : 60) Bilingue (*Plea discussions and...*). ISBN 0-662-56809-5  
MICROLOG 90-00957 3 fiche



Ce document porte sur la nécessité d'une réforme du droit au Canada. Il examine particulièrement les points suivants: la transparence, le contrôle judiciaire, la protection contre les incitations condamnables, l'authenticité du plaidoyer et sa conformité avec les faits, l'égalité, le caractère exécutoire des ententes, le déroulement des discussions sur le plaidoyer, le contrôle judiciaire, le retrait du plaidoyer et l'appel, l'irrecevabilité des poursuites ultérieures, et finalement, l'inadmissibilité des éléments de preuve.  
CA JU

#### Dispersion strengthening zirconium

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1968. ii, 21 p. (Report ; PM-R 68-12)  
MICROLOG 90-04653 1 fiche

An investigation is being carried out to determine the possibility of improving the high-temperature properties of zirconium through dispersion strengthening by addition of refractory compounds to the molten metal. Because of its high stability, thorium oxide (ThO<sub>2</sub>) was selected to test this proposition.  
● CA CM NR PS SC

#### Dispersion, mixing and intentional ignition of hydrogen in the Darlington reactor vault

by J.H.S. Lee and R. Knystautas. Ottawa : Atomic Energy Control Board, 1989. 53 p. : ill. Bibliogr. (Research report ; INFO-0327)  
MICROLOG 90-04391 1 fiche

Review of the Darlington safety report (DSR) which has been used as a basis for decisions regarding intentional ignition in the Darlington reactor vault. The review includes an assessment of the validity of the assumptions in the DSR regarding mixing of contents; examines possible hydrogen release scenarios, specific to the Darlington reactor vault, reviews the combustion analysis in the DSR 'vent code' calculations in the light of existing state-of-the-art information on high speed turbulent flames and transition to detonation; and identifies limitations of the 'vent code' in this context. Improvements are recommended  
CA EN ON PS SC

#### Dispersion-strengthening of zirconium : progress report no. 3

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1967. i, 14 p. : ill. (Report ; PM-R 67-25)  
MICROLOG 90-04651 1 fiche

The work described in this report is part of an investigation being conducted to determine the possibility of improving the high-temperature properties of zirconium for use in nuclear reactors by the addition of refractory compounds to the molten metal. This report examines a dispersed-phase present in the Zr-ThO<sub>2</sub> alloys for use as a strengthening medium. Its composition is analysed by X-ray diffraction and the effect of heat treatment on its solubility, size and distribution in a Zr-2.5% ThO<sub>2</sub> alloy is observed. In addition, high-temperature (650C, 1200F) tensile properties are determined for heat treated specimens containing 2.5% ThO<sub>2</sub> and the effect of increasing the ThO<sub>2</sub> from 0.7% to 7.0% is also investigated.  
● CA CM NR PS SC

#### Disposal into new mined space brine cavern option : a discussion paper

Gartner Lee Associates. Toronto Ontario : Waste Management Corporation, 1987. 13 p.  
MICROLOG 90-02861 1 fiche

Preliminary review of data on the brine cavern option of waste disposal into new mined space, including a literature review of brine well design and regulations governing brine wells in Ontario, a review of current technology of brine well construction and brine cavern construction; and a general estimate of costs for construction of salt caverns in the B salt horizon of the Salina Formation in southern Ontario, excluding infrastructure requirements and the disposal of cavern washing brines. Assumptions included the B salt unit of the Salina Formation will be the host unit for the cavern(s) at a depth of 400-700 m from ground surface; the treated waste residue is assumed to be essentially inert inorganics mixed with a cement solidification agent and will be in a pumpable slurry or dry pelletized form; and the quantity of treated waste residue is 100,000 cu m/a in the initial stages of development, perhaps increasing to 200,000 cu m/a over a period of time.  
EV ON PR SC

#### Disposal of oilfield wastes by landtreatment : effects on the environment and implications for future land use, 1987 research project : a report

by R.M. Danielson, N. Okazawa and W.J. Cerocici. Calgary, Alta. : Canadian Petroleum Association ; Ottawa : Environment Canada, 1988. ix, 108 p. : ill. Bibliogr.  
MICROLOG 90-04410 2 fiche (Available on fiche only)

Landtreatment sites were established near Lloydminster, Grande Prairie, and Drayton Valley in 1982, and near Brooks in 1983 to study the feasibility of using this technique for the disposal of oil field wastes in Alberta. A variety of rates and types of oily wastes were applied from 1982-85 in combination with cultivation and fertilization treatments. This report assesses soil productivity quantitatively at Lloydminster and qualitatively at Brooks, Grande Prairie, and Drayton Valley; determines the critical oil content in the soil, below which crop growth is similar to untreated soil; determines if Cl is limiting crop growth at Lloydminster; determines if crops at Lloydminster contain undesirable organic compounds or heavy metals; determines if the oily wastes applied at Lloydminster have continued to degrade in 1986-87; monitors groundwater and surface water at Lloydminster for organic and inorganic contaminants; and degrades asphaltenes from Lloydminster and conducts an analysis for potentially mobile compounds.  
● AL CA EV SC

#### Dispute resolution : a directory of methods, projects and resources

Edmonton : Alberta Law Reform Institute, 1990. iv, 66 p. (Research paper ; no. 19) ISSN 0838-0503 ISBN 0-8886-4161-3  
MICROLOG 90-06658 1 fiche

Two elements have led the Institute to take a look at activities relating to dispute resolution generally. The first is the longstanding interest of the Institute in seeking improvements in law. The second is the current interest in improving existing dispute resolution processes. As a first step in the Institute's education process, it undertook to identify and describe the dispute resolution methods attracting current attention and to compile a list of dispute resolution projects and resources of recent origin that represent efforts to improve upon or supplement traditional legal means. The information published in this document is the product of that study.  
AL JU PR

#### La Dissuasion : analyse des paramètres de réussite

par R.N. Lebow et J.G. Stein. Ottawa : Institut canadien pour la paix et la sécurité

internationales, 1990. 104 p. Bibliogr. (Les Cahiers de l'Institut ; no 8) L'éd. anglaise (When does deterrence...) : 90-04464/2 ISBN 0-662-95814-4  
MICROLOG 90-05432 2 fiche

Le but de la dissuasion est de prévenir un comportement indésirable en persuadant ceux qui seraient tentés de l'adopter qu'il leur en coûterait probablement plus cher que ce qu'ils comptent en retirer. Dans cette monographie, on étudie la sélection et la codification des données utilisées dans le cadre d'importantes études sur la dissuasion; puis, on relève les insuffisances conceptuelles et empiriques desdites études. Les auteurs s'inspirent des résultats de cette critique pour reformuler la théorie de la dissuasion et concevoir un programme de recherche visant à en vérifier les postulats.  
● CA EX

#### Distribution and abundance of waterbirds in Barkley Sound and the Long Beach/Tofino/Grice Bay area in spring 1989 following the Nestucca oil spill

by M.S. Rodway. Delta, B.C. : Canadian Wildlife Service, Pacific and Yukon Region, 1989. vi, 60 p. : maps. Bibliogr. (Technical report series ; no. 76) ISSN 0831-6481 ISBN 0-662-17278-7  
MICROLOG 90-06372 1 fiche

One of a number of surveys conducted as part of the impact assessment of the December 1988 Nestucca oil spill on the B.C. coast. This survey was conducted in March and April of 1989 to assess possible effects of oil on migrating waterbirds in Barkley Sound and the Long Beach/Tofino/Grice Bay area. Records of marine mammals were also kept. Eleven aerial surveys and 20 boat surveys of varying extent were conducted. Surveys in Barkley Sound focused on areas of waterbird concentrations. Other areas were explored periodically by boat and plane to detect changes in distribution.  
● BC CA EV SC

#### Distribution and environmental impact of selected benthic contaminants in Vancouver Harbour, British Columbia, 1985 to 1987

by D. Goyette and J. Boyd. Ottawa : Environment Canada, Conservation and Protection, Environmental Protection, Pacific and Yukon Region, 1989. 2 v. : maps. Bibliogr. (Regional program report ; 89-02) Contents: Vol. 1 : Report -- vol. 2 : Appendices.  
MICROLOG 90-02376 7 fiche

A study of selected contaminants in Vancouver Harbour sediments and biota was begun in May 1985 following a review of existing environmental information about the harbour. The study was begun to determine the distribution of specific organic and inorganic contaminants, potential industrial and urban sources, the health of the benthic environment, and the need for remedial measures. A total of 88 stations for sediment and 11 trawl stations for biota were sampled from Point Atkinson to Port Moody Arm from May 1985 to October 1987. Sediment studies focused on the concentration and distribution of trace metals, hydrocarbons, polychlorinated biphenyls (PCBs), chlorophenols, and polycyclic aromatic hydrocarbons (PAHs). The biological studies emphasized trace metal and PAH levels in tissue of benthic (bottom dwelling) species including sole, crab and shrimp. Further study of the prevalence of liver lesions in English sole, associated with chemical exposure, was also undertaken. Potential urban and industrial sources of contamination were identified.  
● BC CA EV SC



# Distribution and status of the herpetofauna of Central Region

by S.A. Plourde...et al. Toronto : Ministry of Natural Resources, 1989. iv, 30 p. : maps. Bibliogr. ISBN 0-7729-5920-X MICROLOG 90-01141 1 fiche

Checklist providing ready reference to the herpetofauna of the central region of Ontario, especially the current knowledge of the distribution and status of species. For each species, the current status is given. For rare and uncommon species, a list of counties or regional municipalities where the species has been recorded post-1950 is included. LS ON PR SC

# Distribution and status of the vascular plants of Central Region

by J.L. Riley. Toronto : Ministry of Natural Resources, 1989. xix, 110 p. Bibliogr. (Open file ecological report : 8902) ISBN 0-7729-5919-6 MICROLOG 90-04871 2 fiche

Ready reference to the flora of Central Region. The report gives an overview of the major floristic themes of the native flora, then lists the species representative of the Carolinian Zone, the Niagara Escarpment, the Great Lakes shoreline, and the Canadian Shield. Species are also listed for such habitats as bog fens, and prairie/savannah. The status of native species in the region is given, along with a checklist of provincially rare native species, and the location(s) of each species. LS ON PR SC

# Distribution et biologie du pétoncle d'Islande *Chlamys islandica* de la Côte-Nord du Golfe du Saint-Laurent

par M. Giguère, A. Nadeau et B. Légaré. Mont-Joli, Québec : Ministère des pêches et des océans, Division de la recherche sur les pêches, Institut Maurice-Lamontagne, 1990. vi, 28 p. : ill., cartes géogr. Bibliogr. (Rapport technique canadien des sciences halieutiques et aquatiques ; no 1748) ISSN 0706-6570 MICROLOG 90-06528 1 fiche

On trouve deux espèces de pétoncle dans le golfe du Saint-Laurent, le pétoncle d'Islande et le pétoncle géant. Ces deux espèces se distinguent principalement par la taille, pour un même âge le pétoncle géant étant plus grand que le pétoncle d'Islande, et par la forme de la coquille. Ce document présente les résultats des campagnes de recherche de 1985 et de 1986. Il constitue une mise à jour de la distribution et de la biologie du pétoncle d'Islande sur la rive nord du golfe du Saint-Laurent. CF FI PR QU SC

# Distribution of American Black Duck and Mallard in northern Ontario

by R.K. Ross and D. Fillman. Ottawa : Canadian Wildlife Service, 1990. 5 p. : maps. Bibliogr. (Progress notes ; no. 189) ISSN 0069-0023 ISBN 0-662-17570-0 MICROLOG 90-04889 1 fiche

The province of Ontario contains the major zone of range overlap for the Mallard and the closely related American Black Duck. Both of these very important game species have, in recent years, undergone declines in numbers that are of considerable concern. This report presents information from an extensive survey of waterfowl breeding distribution started in northern Ontario in 1980. The survey employed helicopter-based counts of waterfowl found on fixed plots; initial coverage was completed in 1988. The report presents information on American Black Duck and Mallard distributions throughout northern Ontario, together with some initial results of the special American Black Duck survey currently under way in northeastern Ontario.

Comparisons are made with earlier information. • CA EV LS NO ON SC

# Distribution of birds in the intertidal portion of the Fraser River delta, British Columbia

by R.W. Butler and R.J. Cannings. Delta, B.C. : Canadian Wildlife Service, Pacific and Yukon Region, 1989. iv, 58 p. Bibliogr. (Technical report series ; no. 93) ISSN 0831-6481 ISBN 0-662-17548-4 MICROLOG 90-06311 1 fiche

The Fraser River delta supports more birds than all other estuaries on the Pacific coast of Canada. Bird populations have been estimated for mostly large segments of the delta such as riverine marshes and Boundary Bay but there is no information on the numbers of all birds using the entire shorelines of the delta year round. This study compared the monthly use by all birds of small segments of the delta seaward of the dykes throughout the year. The study area included the intertidal lands seaward of the dikes from Iona Island in the north to White Rock in the south. Birds were counted from March 1988 to February 1989 at 17 stations in which 2 observers could count all the birds in 2-3 hours. • BC CA EV SC

# Distribution of chlorinated hydrocarbon pesticides and PCBs in the Arctic Ocean

by B.T. Hargrave...et al. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. ix, 224 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1644) ISSN 0706-6457 MICROLOG 90-02628 3 fiche

Organochlorine pesticides and PCBs were analyzed in air, snow, ice, seawater, sediment, plankton and benthic amphipods collected north of Axel Heiberg Island (81 degrees N). Sampling was carried out through first year ice adjacent to an ice island on which the polar Continental Shelf project had established a permanent camp. Samples were collected in May and late August and early September of 1986 and again in June 1987. • CA CF EV FI SC

# The Distribution of petroleum residues in near-shore sediments from Atlantic Canada

by E.M. Levy...et al. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 169 p. : maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1612) ISSN 0706-6457 MICROLOG 90-02285 2 fiche

Data from a survey of the concentrations of 'petroleum residues' in sediments from harbours in Atlantic Canada in 1978 were compiled. 'Petroleum residues' are defined as the mixture which remains after petroleum-derived oils are subjected to varying amounts of weathering in the marine environment in sediments from harbours in Atlantic Canada. The survey collected sediment samples from as many harbours in the region as possible, covering the entire range of geological environments, industrial areas (oil refining, shipping, fishing, fish processing, steel-making, manufacturing), and the populated rural settings to be found in the region. The sampling program was carried out in late 1978, prior to freeze-up and some samples were analyzed in early 1979, with the remainder analyzed in 1987. • AP CA CF EN EV SC

# Distribution of winter cod, 1969

by T. Monstad, O. Nakken and G. Naevdal. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 5 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5208) Originally published in Norwegian.

ISSN 0704-3716 MICROLOG 90-02701 1 fiche

Survey of the distribution of winter cod in the Lototen Islands in the 1969 season, based on echo sounder observations by 3 vessels. Hydrographical measurements were also taken. • CA CF FI SC

# Distribution routes of some aquatic Oligochaeta

by T. Timm. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 8 p. (Canadian translation of fisheries and aquatic sciences ; no. 5154) Originally published in Russian, by the Institute of Zoology and Botany, Academy of Sciences of the Estonian SSR, at Tallin, USSR. ISSN 0704-3716 MICROLOG 90-00095 1 fiche

Paper discussing the process whereby the bodies of water in the Northwest of the USSR became populated by aquatic Oligochaeta during the post-glacial period. Some theoretical problems are also discussed. Sources of information include personal observation and a wide selection of Soviet and foreign literature. • CA CF FI LS SC

# Distributions of stonefly *Plecoptera* and caddisfly *Trichoptera* species in three stream systems in New Brunswick and Nova Scotia, Canada, with reference to stream acidity

by R.H. Peterson and L. Van Eeckhaute. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Marine Fish Division, Biological Sciences Branch, Biological Station, 1990. iii, 42 p. : ill., maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1720) This is the two hundred and fifth Technical Report of the Biological Station, St. Andrews, N.B. ISSN 0706-6457 MICROLOG 90-03429 1 fiche

A study was conducted over 3 years of the distribution of fish, mayflies, stoneflies and caddis flies in 3 stream drainage systems (St. Croix River system, draining southwestern New Brunswick and emptying into Passamaquoddy Bay; the Gold River system, draining an area south of the Kentville-Wolfville axis into the south shore of Nova Scotia; and the Medway River system, draining a section of southwest Nova Scotia to the west of the Gold River). This report presents an annotated list of the stoneflies and caddis flies identified from these stream systems. • AP CA CF FI LS SC

# Diurnal vertical migrations of cod and haddock

by K.G. Konstantinov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 46 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5366) Originally published in Russian, by the Publishing House of the Food Industry, at Moscow, U.S.S.R. ISSN 0704-3716 MICROLOG 90-01496 1 fiche

Diurnal vertical migrations are an important feature of the behaviour of cod and haddock, noticeably affecting the success of trawl fishing. The fish ascend to the middle strata as darkness comes and descend to the bottom during the daylight hours. In 1953 and 1954 an interdisciplinary study of these migrations was conducted. This paper presents the main results, augmented by certain findings from other years. • CA CF FI LS SC

# Diurnal vertical migrations of cod and rock grenadier in the northwest Atlantic

by P.I. Savvatimskii. Ottawa : National Research Council, Canada Institute for



Scientific and Technical Information, 1988. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5338) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-01474 1 fiche

The rock grenadier is a deep-water fish that feeds mainly on plankton, small fishes and shrimp. Their diurnal migrations, which use layers to depths of 800-1000 m or more are well known and are determined by the type of feeding. This paper presents the results of catches by day and by night in the vicinity of northern Labrador of the rock grenadier to establish which type of food they use and the optimum time for bottom trawling.  
● AP CA CF FI LS SC

#### Divers projets de fouilles menés aux lieux historiques de la région de l'Ontario en 1986

rédigé par Sheryl Smith. Ottawa : Environnement Canada, Service canadien des parcs, 1990. 15 p. : ill. (Bulletin de recherches ; no 281) L'éd. anglaise (Miscellaneous archaeological...) sur la même fiche. ISSN 0228-1236  
MICROLOG 90-04610 1 fiche

Ce bulletin couvre divers projets de fouilles menés aux lieux historiques du canal Rideau, du phare de Point Clark, du Fort Malden, d'un terrain de stationnement au LHN de la bataille du moulin à vent, de la propriété riveraine et du Fort Wellington, et du Fort George. De plus, il donne des renseignements sur la gestion de collection.  
CA CU NO

#### Diversification and single industry communities : the implications of a community economic development approach

by Michael B. Decker. Ottawa : Economic Council of Canada, 1989. viii, 133 p. Bibliogr. (Local development paper ; no. 10) Bound with: *The Vulnerability Checklist : a tool for community self-assessment* / by the Canadian Association of Single Industry Towns ; with the assistance of David R. Miller and François Lamontagne. ISSN 0225-8013  
MICROLOG 90-04064 2 fiche (Available on fiche only)

Examines the issues of single-industry communities and suggests ways in which communities can diversify their own economies. It also describes the process and results of efforts to develop a Vulnerability Checklist for use as a self-assessment tool by means of which single-industry communities not only can evaluate their present situations but predict and prevent future problems on the basis of measurable yardsticks. It includes the results of a pilot test conducted among thirteen single-industry communities with an earlier version of the Checklist.  
● CA CO MU

#### Diversitas : diverse peoples, diverse places : final conference report

Vancouver, B.C. : Heritage Canada, 1989. 16 p.  
MICROLOG 90-06866 1 fiche

The objectives of the conference were to present an accurate and coherent overview of ethnic settlement patterns in Canada; to bring together the leading professionals, government officials and community leaders concerned with ethnic issues and ethnic studies in order to provide a forum for the mutual sharing of knowledge and ideas, and to underline and promote the importance of multicultural heritage among audiences of specialists and volunteers in the heritage movement. This document reports on the sessions, the speakers, attendance, and publicity.  
● CA CU SA

#### Divorce and family mediation research study : Winnipeg

Sloan and Greenaway Consultants. Ottawa : Dept. of Justice, Family Law Research, 1988. xvi, 209 p. ISBN 0-662-16121-1  
MICROLOG 90-02960 3 fiche

This report assesses the impact of a particular model of family mediation, specifically the system of 'automatic' referral for mediation of cases in the Winnipeg Unified Family Court.  
● CA CI JU SA

#### Divorce and family mediation research study in three Canadian cities

by C.J. Richardson. Ottawa : Dept. of Justice, Family Law Research, 1989. xiii, 191 p. Bibliogr. ISBN 0-662-16122-X  
MICROLOG 90-02959 3 fiche

The findings described in this report come from a two-year study of court-based divorce mediation and separation counselling in Saskatoon, Montreal, and Saint John's. This document reviews the issues of concern with respect to divorce and family mediation and some of the findings from social science research which underlie the rationale for non-adversarial approaches to marriage breakdown. It also describes the research design and data base for each of the research modules and sites. It provides a descriptive account of the three courts and their mediation service and approach. In addition, it looks at mediation in Canada more generally, and includes an analysis and evaluation of the outcomes of divorce mediation, with particular reference to the economic situation of couples and their children, to custody and access, to parenting generally, and the impact of mediation on various aspects of the court process.  
● CA CI JU SA

#### Dix années de succès : recherche et développement dans le domaine de l'environnement et de l'énergie

Hull, Québec : Environnement Canada, Science et Énergie, 1989. 28, 28 p. : ill. Bilingue (A Decade of achievement...). ISBN 0-662-56493-6  
MICROLOG 90-02366 1 fiche

Le groupe de recherche et de développement énergétiques (GRDE) fournit des données techniques permettant de maintenir l'autonomie de notre pays sur le plan pétrolier; de développer une économie énergétique diversifiée; et, de réduire la dépendance de notre pays à l'égard des énergies non renouvelables. Le programme fédéral de R-D énergétique est un programme interministériel. Son objectif est d'offrir un soutien technique et scientifique à la diversification des ressources énergétiques nécessaires à un développement durable de l'économie sans nuire à l'environnement. Ce document se penche particulièrement sur les sources d'énergie classiques; leur développement durable; l'économie et les énergies renouvelables; et, la gestion prévisionnelle.  
CA EN EV SC

#### Do I really have to use it? A motivational model of office automation use : working paper

by H. Daoust. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1987. 43 p. Bibliogr. French ed. (Faut-il vraiment que je l'utilise...) : 90-04201/1. ISBN 0-662-16594-2  
MICROLOG 90-04209 1 fiche

Study to inventory what has been written on the reasons for non-use of computerized tools in the workplace and to outline a theoretical model that could integrate this knowledge and provide access to new avenues of research. The first part of the report presents the

cognitive evaluation theory, along with variables that may influence intrinsic motivation. It ends with a proposed model in which motivation mediates the impact of situational and individual variables on the use of computer tools. The second part is a review of the literature on the reasons for non-use of microcomputers in the workplace, dealing first with variables linked to the situation, and then to variables linked to the individual.  
CA LA SC TE

#### Docee River counting fence : 1988 operations

by I. Winther, S.K. Bachen and R.D. Goruk. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, 1989. iii, 17 p. : ill. (Canadian data report of fisheries and aquatic sciences ; no. 767) ISSN 0706-6465  
MICROLOG 90-00526 1 fiche

The Docee River is located in the Central Coast District of British Columbia, and is less than 1 km long, draining Long Lake into Wyclees Lagoon, which then empties north into Smith Inlet. The Docee River counting fence has been in operation since 1972 monitoring sockeye escapements into Long Lake to provide in season estimates to managers of the Smith Inlet fishery. The counting fence operates from late June to mid August. Fish were counted from June 29 to August 12 and dead fish caught in the fence were collected and sampled. Samples consisted of hypural length, sex and scales. Scales were collected onto scale books and sent to the Scale Lab in Vancouver. Comparisons of age and sex compositions at the beginning, middle and end of the run were made.  
● BC CA CF FI SC

#### Docee River counting fence : 1989 operations

by I. Winther, S.K. Bachen and R.D. Goruk. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. iii, 11 p. : ill. (Canadian data report of fisheries and aquatic sciences ; no. 796) ISSN 0706-6465  
MICROLOG 90-07168 1 fiche

The Docee River is located in the Central Coast district of B.C. within Statistical Area 10. The counting fence has been operated from late June or early July to mid August since 1972 and monitors sockeye escapements into Long Lake to provide in-season estimates to managers of the Smith Inlet sockeye fishery. This report provides data from the 1989 season, and includes a description of the fence and camp maintenance and operations.  
● BC CA CF FI SC

#### Document d'information sur la Loi et le règlement sur l'enregistrement des lobbyistes

Ottawa : Consommation et Corporations, Direction de l'enregistrement des lobbyistes, 1989. 18, 17 p. Bilingue (Information on the Lobbyists...). ISBN 0-662-56903-2  
MICROLOG 90-03236 1 fiche

Cette Loi a été adoptée en 1988, suite aux recommandations unanimement formulées par un comité parlementaire composé de représentants de tous les partis politiques. Par le truchement de cette Loi, le Parlement a reconnu que le lobbying est une activité légitime qui peut aider les titulaires d'une charge publique, tels que députés, sénateurs, ministres et responsables ministériels, à se sensibiliser aux points de vue et aux préoccupations des citoyens et des organismes. Le document indique principalement comment et quand s'enregistrer.  
CA JU



**Document de réflexion et de consultation sur la révision de la loi électorale**

Québec : Gouvernement du Québec, Réforme électorale, 1988. ix, 334 p.  
MICROLOG 90-03632 4 fiche

Ce document se penche sur cinq grands objectifs qui se traduisent par des propositions d'améliorations et de changements importants. Ces objectifs sont: évaluer l'opportunité d'encadrer la publicité gouvernementale en période électorale; examiner la possibilité d'étendre les règles de contrôle et de divulgation du financement des partis politiques à leurs campagnes au leadership, associer le soutien financier de l'Etat aux partis politiques davantage à l'appui populaire réel qu'ils reçoivent plutôt qu'au seul critère de leur représentation à l'Assemblée nationale; et, améliorer les règles de présentation des rapports financiers des partis politiques; PA PR QU

**Document de travail sur la Loi sur les conflits d'intérêts municipaux**

Toronto : Ministère des affaires municipales, 1990. 23, 22 p. *Bilingue* (Discussion paper on municipal...). ISBN 0-7729-5620-0  
MICROLOG 90-05877 1 fiche

Ce document a pour but de servir de cadre de discussion au sujet de la Loi de 1983 sur les conflits d'intérêts municipaux en déterminant les diverses questions qui peuvent se poser et les réponses qu'on peut leur apporter. Il fournit d'abord un bref aperçu de l'objectif visé par les lois sur les conflits d'intérêts, puis un historique du droit ontarien et, enfin, une vue d'ensemble de la loi actuelle. Plus loin, il traite de points qui posent des problèmes particuliers, ainsi que de leurs solutions possibles. Il jette également un coup d'oeil sur la législation dans d'autres territoires.  
ON PA PR

**Documentation and assessment of flooding along the Miramichi River in the Newcastle-Chatham area : final report**

for the Flood Risk Mapping Technical Committee, Canada-New Brunswick Flood Damage Reduction Program ; by WMS Associates Ltd. S.I. : The Company, 1990. vii, 62 p. : ill. Bibliogr.  
MICROLOG 90-06502 1 fiche

Investigation of the nature, history and extent of flooding along the Miramichi River in the Newcastle-Chatham area. The study reviews the hydrotechnical aspects of the study area to evaluate some of the causes of the flooding, including high tides, heavy spring runoff, ice-jamming and combinations of these factors.  
• AP CA NR SC

**Documentation and assessment of flooding in the Town of Sackville and environs : final report**

for the Flood Risk Mapping Technical Committee, Canada-New Brunswick Flood Damage Reduction Program ; by WMS Associates Ltd. S.I. : The Company, 1990. viii, 66 p. : ill., maps. Bibliogr.  
MICROLOG 90-06501 1 fiche

Investigation of the nature, history and extent of flooding in the Town of Sackville and the surrounding area, including the Tantramar River and Frosty Hollow Brook. The study reviews the hydrotechnical aspects of the area to evaluate some of the causes of the flooding, including high tides, heavy rainfall, snowmelt or a combination of factors.  
• AP CA NR SC

**Documents on Canadian External Relations, vol. 11 : 1944-45, part II**

edited by John F. Hilliker. Ottawa : External Affairs and International Trade, 1990. xxix, 2046 p. : ill. Bibliogr. *Bilingual* (Documents relatifs...). ISBN 0-660-54822-4  
MICROLOG 90-06600 22 fiche

The documents reproduced in this volume complete the story, begun in Volume 10, of Canadian external policy during the closing months of the Second World War and the transition to peace. It looks ahead to a reshaped world order, in which, it was hoped, repetition of the circumstances which had given rise to the war would be avoided.

CA EX

**Documents relatifs aux relations extérieures du Canada, vol. 11 1944-45, tome II**

compilé par John F. Hilliker. Ottawa : Affaires extérieures et commerce extérieur, 1990. xxix, 2046 p. : ill. *Bilingue* (Documents on Canadian...). ISBN 0-660-54822-4  
MICROLOG 90-06600 22 fiche

Les documents reproduits dans cet ouvrage complètent l'histoire, de la politique extérieure du Canada pendant les derniers mois de la Deuxième Guerre mondiale et la période de transition qui devait conduire à la paix. Il porte tout d'abord sur la liste des abréviations, la provenance des documents et la liste des personnalités. Ensuite, il examine, chapitre par chapitre les points suivants: la planification de l'après-guerre; les finances, le commerce et la marine marchande; l'aviation civile; les Nations-Unies; l'énergie atomique; les organisations et conférences internationales; les relations au sein du Commonwealth; les relations avec les Etats-Unis; et, les relations bilatérales.  
CA EX

**Does consistent aggregation really matter?**

by R. Gagné. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 30 p. Bibliogr. (Publication ; no. 690)  
MICROLOG 90-06640 1 fiche

The problem of determining the existence of consistent input aggregates has been addressed in numerous papers, although the equivalent problem for output aggregates has not. This paper shows that existing aggregation tests, mainly developed for inputs, are not suitable for outputs. The paper proposes a more general test which is adequate for inputs and outputs and the proposed test is then applied to a sample of Canadian trucking firms in order to find a consistent structure of aggregation for outputs.  
PR PS QU SC TR

**Does short-term practice attenuate initial coding differences?**

by R.M.T. Jubis. Downsview, Ont. : Defence and Civil Institute of Environmental Medicine, 1990. 20 p. : ill. Bibliogr. (DCIEM research report ; no. 90-RR-25)  
MICROLOG 90-07089 1 fiche

Although the literature reporting the effectiveness of colour- vs shape-coding for visual displays is large, few studies have examined whether practice reduces initial differences in performance due to coding conditions. This study examined whether short-term practice would attenuate any initial differences among shape- and colour-coding conditions. Three experiments, using naive, paid volunteers with normal colour vision and normal or corrected visual acuity were conducted. The results of these experiments are given in this report.  
CA LS SC

**Domestic grain policy and the GATT**

by S. Dakers. Ottawa : Library of Parliament,

Research Branch, 1989. 20 p. Bibliogr. (Backgrounder ; BP-214E) *French ed. (La Politique céréalière...)* on the same fiche. ISBN 0-660-13491-8  
MICROLOG 90-05361 1 fiche

Most of Canada's grain policies were designed in the early 1970s to encourage production in response to world food shortages. Now Canada finds it must re-evaluate its domestic grain assistance policies in the light of the present global grain situation and GATT (General Agreement on Tariffs and Trade) proposals to reduce the overproduction. This report summarizes Canada's grain policy legacy, looks at the requirements coming out of the present GATT Round and examines changes in process to existing programs as well as proposals for new programs.  
AG CA CO SC

**Données ministérielles de base, 1989**

Ottawa : Affaires indiennes et du Nord Canada, Finances et services professionnels, Analyse quantitative et recherche socio-démographique, 1989. xiii, 95 : ill. *L'éd. anglaise (Basic departmental...)* : 90-04374/2. CSI 21113.017F. ISBN 0-662-95866-7  
MICROLOG 90-04375 2 fiche

Ce rapport renferme des données statistiques historiques et actuelles qui démontrent l'évolution, au cours des 23 dernières années, de la situation des Indiens inscrits qui vivent dans les réserves. Les sujets traités sont: population, éducation; conditions de santé; logement; aide sociale; autonomie gouvernementale; et population active.  
CA NP SA ST

**Données statistiques sur la population étudiante des universités québécoises, 1971 à 1987**

par J. La Haye. Montréal : Direction générale de l'enseignement et de la recherche universitaires, 1989. 110 p. CSI 66131.007.  
MICROLOG 90-01650 2 fiche

Ce document fournit un ensemble de tableaux statistiques, d'une part sur l'évolution des effectifs étudiants des universités québécoises et d'autres part sur le profil disciplinaire des études suivies par les étudiants. Le document vise particulièrement à mettre à jour pour l'année 1987-88 les données qui ont déjà été rendues publiques à l'intérieur des deux documents analytiques: l'effectif étudiant des universités québécoises, faits saillants de son évolution, 1971-72 à 1986-87, et, les étudiants des universités québécoises, profil disciplinaire de leur étude 1982-83 à 1986-87.  
ED PR QU ST

**Données sur l'épaisseur de la glace, hiver 1985-86**

Ottawa : Environnement Canada, Service de l'environnement atmosphérique, Division de la climatologie et ses applications, 1986. vii, 80 p. : ill. *Bilingue (Ice thickness data.)* CSI 22124.004. ISSN 0835-4332 ISBN 0-662-56972-5  
MICROLOG 90-03164 1 fiche

De l'enlèvement de 1985 au déglacement de 1986, 123 sites ont participé au projet de mesure d'épaisseurs. Cette publication est le numéro vingt-six de la série: 'Données sur l'épaisseur de la glace de stations canadiennes sélectionnées'. Les données qui figurent dans ce numéro correspondent à la période allant de 1985 à 1986. Une liste des précédents numéros de la série publiés depuis 1961, est incluse à la fin de la publication.  
CA EV SC ST

**Données sur l'épaisseur de la glace, hiver 1986-87**

Ottawa : Environnement Canada, Service de l'environnement atmosphérique, Climatologie et ses applications, Centre des glaces, 1990. viii, 59 p. : ill., cartes géogr. Bibliogr. *Bilingue*



(Ice thickness data...). CSI 22124.004. ISSN 0835-4332 ISBN 0-662-56973-3 MICROLOG 90-06294 1 fiche

Cette publication présente des données sur l'épaisseur de la glace mesurée dans 108 sites à travers le Canada, de l'enlèvement de 1986 jusqu'au déglacement de 1987.  
CA NO NR PS SC ST

#### Données sur le développement des clupéidés

par S.G. Kryzhanovskij. Ottawa : Conseil national de recherches Canada, Institut canadien de l'information scientifique et technique, 1989. 176 p. : ill. Bibliogr. (Traduction canadienne des sciences halieutiques et aquatiques ; no 5472) *Publié d'abord en russe, par l'Académie des sciences de l'URSS à Moscou.* ISSN 0704-3716 MICROLOG 90-00595 2 fiche

Les poissons de l'ordre des clupéiformes - salmonidés, coréogones et clupéidés - sont plus utiles à l'homme que les poissons d'autres ordres. Très répandus dans les plans d'eau douce et les mers, formant d'immenses bancs à certaines périodes et migrant suivant un itinéraire précis, ils se prêtent mieux que d'autres espèces de poissons à l'exploitation industrielle. Ce travail fait l'analyse des périodes de vie embryonnaire et larvaire. Le document fait l'analyse du développement de l'aloise de la mer Noire, de l'aloise de la Volga, du hareng de la Baltique, du hareng du Golfe de Sakhaline, le développement parthénogénétique des clupéidés du Golfe de Sakhaline et du 'tjouika' de la mer Noire.  
● CA CF FI LS SC

#### Données sur les eaux de surface : Alberta, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xii, 279 p. *Bilingue (Surface water...Alberta...).* CSI 22296 009 MICROLOG 90-00296 3 fiche

La Direction des ressources en eau du ministère de l'Environnement présente les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Alberta. On y aborde particulièrement les sujets suivants: l'organisation et l'historique des relevés hydrométriques; les équivalences des unités de mesure; les définitions des termes et abréviations; la publication des données sur les eaux de surface et les sédiments; la présentation sous forme de tableaux des données sur les eaux de surface; les révisions; l'exactitude des données hydrométriques; et les données sur les eaux de surface.  
AL CA NR PS SC ST

#### Données sur les eaux de surface : Colombie Britannique, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xii, 307 p. *Bilingue (Surface water...British Columbia...).* CSI 22296 011. ISBN 0-662-56765-X MICROLOG 90-00341 4 fiche

Ce document présente les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectué en Colombie-Britannique. On y aborde les points suivants: l'organisation et l'historique des relevés hydrométriques; l'équivalence des unités de mesure; les définitions des termes et abréviations; la publication des données sur les eaux de surface et les sédiments; la présentation des données sur les eaux de surface, les révisions, l'exactitude des données hydrométriques, et les données sur les eaux

de surface dans les stations de jaugeage.  
BC CA NR PS SC ST

#### Données sur les eaux de surface : Manitoba, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xii, 185 p. *Bilingue (Surface water...Manitoba...).* CSI 22296 013. ISBN 0-662-56760-9 MICROLOG 90-00330 3 fiche

Ce document présente les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectué au Manitoba. On y examine particulièrement les points suivants: l'organisation et l'historique des relevés hydrométriques; la coopération et les équivalences des unités de mesure; les définitions des termes et abréviations; la publication des données sur les eaux de surface et les sédiments; la présentation sous forme de tableaux des données sur les eaux de surface; les révisions; et l'exactitude des données hydrométriques.  
CA MS NR PS SC ST

#### Données sur les eaux de surface : Ontario, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xiii, 295 p. *Bilingue (Surface water...Ontario...).* CSI 22296 006. ISBN 0-662-56759-5 MICROLOG 90-01374 4 fiche

Cette publication renferme les données sur les niveaux d'eau annuels enregistrés au réseau de mesure des marées et des niveaux d'eau sur les Grands lacs et le Saint-Laurent, en Ontario.  
CA NR ON PS SC ST

#### Données sur les eaux de surface : Provinces de l'Atlantique, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xiii, 141 p. *Bilingue (Surface water...Atlantic...).* CSI 22296 010. MICROLOG 90-00294 2 fiche

La Direction des ressources en eau du ministère de l'Environnement présente les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués à Terre-Neuve, au Labrador, au Nouveau-Brunswick, en Nouvelle-Ecosse et dans l'Île-du-Prince-Édouard. On y aborde les sujets suivants: l'organisation et l'historique des relevés hydrométriques; les équivalences des unités de mesure; les définitions des termes et abréviations; la publication des données sur les eaux de surface et les sédiments; la présentation sous forme de tableaux des données sur les eaux de surface, les révisions; l'exactitude des données hydrométriques; et les données sur les eaux de surface.  
AP CA NR PS SC ST

#### Données sur les eaux de surface : Provinces de l'Atlantique, 1989

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xii, 139 p. *Bilingue (Surface water...Atlantic...).* CSI 22296 010. ISBN 0-662-57550-4 MICROLOG 90-06936 2 fiche

Ce document contient les résultats des relevés hydrométriques effectués à Terre-Neuve, au Labrador, au Nouveau-Brunswick, en Nouvelle-Ecosse et dans l'Île-du-Prince-Édouard en 1986. Pour les stations de jaugeage où l'on a réalisé un relevé systématique du débit ou du niveau, les données suivantes sont présentées: un tableau du niveau ou du débit quotidien donnant

la hauteur des eaux; un extrait des données mensuelles et annuelles, ainsi que des renseignements descriptifs comprenant le type de jauge, l'emplacement de la station, la superficie du bassin versant, la nature du débit (naturel ou régularisé) et le plan de référence des jauges.  
AP CA NR PS SC ST

#### Données sur les eaux de surface : Québec, 1989

Longueuil, Québec : Environnement Canada, Direction générale des eaux intérieures, Région du Québec, Quantité et qualité de l'eau, 1990. vi, 57 p. *Bilingue (Surface water...Quebec...).* CSI 22296 014. ISBN 0-662-57551-2 MICROLOG 90-06937 1 fiche

Ce document contient les résultats des relevés hydrométriques effectués au Québec en 1987. Pour les stations de jaugeage où l'on a réalisé un relevé systématique du débit ou du niveau, les données suivantes sont présentées: un tableau du niveau ou du débit quotidien donnant la hauteur des eaux; un extrait des données mensuelles et annuelles, ainsi que des renseignements descriptifs comprenant le type de jauge, l'emplacement de la station, la superficie du bassin versant, la nature du débit (naturel ou régularisé) et le plan de référence des jauges.  
CA NR PS QU SC ST

#### Données sur les eaux de surface : Saskatchewan, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xii, 190 p. *Bilingue (Surface water...Saskatchewan...).* CSI 22296 022 MICROLOG 90-00293 3 fiche

Ce document présente les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Saskatchewan. On y aborde particulièrement les sujets suivants: l'organisation et l'historique des relevés hydrométriques; la coopération; les équivalences des unités de mesure; les définitions des termes et abréviations; la publication des données sur les eaux de surface et les sédiments; la présentation sous forme de tableaux des données sur les eaux de surface; les révisions; l'exactitude des données hydrométriques; et les données sur les eaux de surface.  
CA MS NR PS SC ST

#### Données sur les eaux de surface : Saskatchewan, 1989

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xii, 190 p. *Bilingue (Surface water...Saskatchewan...).* CSI 22296 022 MICROLOG 90-06934 3 fiche

Ce document contient les résultats des relevés hydrométriques effectués en Saskatchewan en 1989. Pour les stations de jaugeage où l'on a réalisé un relevé systématique du débit ou du niveau, les données suivantes sont présentées: un tableau du niveau ou du débit quotidien donnant la hauteur des eaux; un extrait des données mensuelles et annuelles, ainsi que des renseignements descriptifs comprenant le type de jauge, l'emplacement de la station, la superficie du bassin versant, la nature du débit (naturel ou régularisé) et le plan de référence des jauges.  
CA MS NR PS SC ST

#### Données sur les eaux de surface : Yukon et Territoires du Nord-Ouest, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés



hydrologiques du Canada, 1989. xii, 114 p.  
*Bilingue (Surface water...Yukon...)*.  
CSI 22296.012. ISBN 0-662-56764-1  
MICROLOG 90-01392 2 fiche

En 1988, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques au Yukon et dans les Territoires du Nord-Ouest en vertu d'un accord conclu avec le ministère des Affaires indiennes et du Nord. Ce document présente les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués au Yukon et dans les Territoires du Nord-Ouest pour l'année civile 1988.  
CA NO NR PS SC ST

#### Données sur les eaux de surface : Yukon et Territoires du Nord-Ouest, 1989

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xii, 112 p.  
*Bilingue (Surface water...Yukon and...)*.  
CSI 22296.012. ISBN 0-662-57556-3  
MICROLOG 90-06935 2 fiche

Ce document contient les résultats des relevés hydrométriques effectués au Yukon et dans les Territoires du Nord-Ouest en 1988. Pour les stations de jaugeage où l'on a réalisé un relevé systématique du débit ou du niveau, les données suivantes sont présentées: un tableau du niveau ou du débit quotidien donnant la hauteur des eaux; un extrait des données mensuelles et annuelles, ainsi que des renseignements descriptifs comprenant le type de jauge, l'emplacement de la station, la superficie du bassin versant, la nature du débit (naturel ou régularisé) et le plan de référence des jauges.  
CA NO NR PS SC ST

#### Données sur les sédiments : Alberta, 1987

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xix, 67 p.  
*Bilingue (Sediment data : Alberta...)*.  
CSI 22296.027. ISBN 0-662-56618-1  
MICROLOG 90-00675 1 fiche

On trouvera dans la présente publication des données annuelles sur les sédiments en suspension pour 1987 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau de l'Alberta par la Division des relevés hydrologiques du Canada. Les données recueillies sur la nature et l'importance de la charge solide dans les cours d'eau portent principalement sur les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.  
AL CA EV NR PS SC ST

#### Données sur les sédiments : Alberta, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xix, 65 p.  
*Bilingue (Sediment data : Alberta...)*.  
CSI 22296.027. ISBN 0-662-57437-0  
MICROLOG 90-06927 1 fiche

Ce document fournit les données annuelles sur les sédiments en suspension pour 1988 et le sommaire des données historiques. Des données descriptives sur les stations d'étude des sédiments comprennent leur emplacement, leurs latitude et longitude, leur bassin versant, la nature du débit (naturel ou régularisé), et le débit total des sédiments en suspension pour la période de relevé. Inclut des données sur le débit des cours d'eau, les concentrations instantanées et journalières de sédiments en suspension; les concentrations de matières

dissoutes; les débits solides totaux; la granulométrie des sédiments en suspension exprimée en pourcentage de sable, de limon et d'argile; le charriage et les matériaux du lit; la température de l'eau au moment de l'échantillonnage et le type d'échantillonneur employé; ainsi que l'emplacement des verticales de prélèvement d'échantillons uniques.  
AL CA EV PS SC ST

#### Données sur les sédiments : Colombie-Britannique, 1987

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xix, 23 p.  
*Bilingue (Sediment data : British Columbia...)*.  
CSI 22296.028. ISBN 0-662-56620-3  
MICROLOG 90-00676 1 fiche

On trouvera dans ce document les données annuelles sur les sédiments en suspension pour 1987 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau de la Colombie-Britannique par la Division des relevés hydrologiques du Canada. Y sont particulièrement examinés les points suivants: l'historique et les objectifs des études des sédiments au Canada; la publication des données sur les sédiments; la collecte et le traitement des données de base; la présentation des tableaux de données sur les sédiments; la définition des termes et des symboles; les équivalences des unités de mesure; et les stations de relevé des sédiments par ordre alphabétique.  
BC CA EV NR PS SC ST

#### Données sur les sédiments : index de référence : Canada, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xxxvi, 109 p.  
*Bilingue (Sediment data...index : Canada...)*.  
CSI 21147.005. ISBN 0-662-57625-X  
MICROLOG 90-06932 2 fiche

Index des résultats des différentes stations d'étude des sédiments au Canada. Fournit des données sur les sédiments en suspension, le charriage du lit, la granulométrie des matériaux, la latitude et la longitude, la description du terrain, la superficie du bassin versant et le nombre total d'échantillons.  
CA NR PS SC ST

#### Données sur les sédiments : Manitoba, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xix, 35 p.  
*Bilingue (Sediment data : Manitoba...)*.  
CSI 22296.025. ISBN 0-662-57435-4  
MICROLOG 90-06928 1 fiche

Cette publication contient des données annuelles sur les sédiments en suspensions pour 1988 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau du Manitoba par la Division des relevés hydrologiques du Canada. Les données recueillies sur la nature et l'importance de la charge solide dans les cours d'eau doivent servir aux études portant sur la qualité des eaux, les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.  
CA MS NR PS SC ST

#### Données sur les sédiments : Ontario, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xix, 49 p.  
*Bilingue (Sediment data : Ontario, 1988)*.

CSI 22296.024. ISBN 0-662-57434-6  
MICROLOG 90-06298 1 fiche

Cette publication contient des données sur les sédiments en suspension pour 1989 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau de l'Ontario. Les données recueillies sur la nature et l'importance de la charge solide dans les cours d'eau peuvent servir aux études portant sur la qualité des eaux, les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.  
CA EV NR ON PS SC ST

#### Données sur les sédiments : provinces de l'Atlantique, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xix, 43 p.  
*Bilingue (Sediment data : Atlantic...)*.  
CSI 22296.023. ISBN 0-662-57433-8  
MICROLOG 90-06926 1 fiche

Cette publication contient des données sur les sédiments en suspension pour 1988 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau de Terre-Neuve et du Labrador, du Nouveau-Brunswick, de la Nouvelle-Écosse et de l'Île-du-Prince-Édouard. Les données recueillies sur la nature et l'importance de la charge solide dans les cours d'eau peuvent servir aux études portant sur la qualité des eaux, les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.  
AP CA EV PS SC ST

#### Données sur les sédiments : Saskatchewan, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xix, 15 p.  
*Bilingue (Sediment data : Saskatchewan, 1988)*.  
CSI 22296.026. ISBN 0-662-57436-2  
MICROLOG 90-06933 1 fiche

Cette publication contient des données annuelles sur les sédiments en suspension pour 1988 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau de la Saskatchewan par la Division des relevés hydrologiques du Canada. Les données recueillies sur la nature et l'importance de la charge solide dans les cours d'eau doivent servir aux études portant sur la qualité des eaux, les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.  
CA MS NR PS SC ST

#### Données sur les sédiments : Yukon et Territoires du Nord-Ouest, 1987

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xix, 19 p.  
*Bilingue (Sediment data : Yukon...)*.  
CSI 22296.029. ISBN 0-662-56621-1  
MICROLOG 90-00654 1 fiche

On trouvera, dans ce document, les données annuelles sur les sédiments en suspension pour 1987 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau du Yukon et des Territoires du Nord-Ouest par la Division des relevés hydrologiques du Canada. De plus, un résumé des données historiques sur les sédiments est inclus. On y trouve également divers renseignements sur les transports solides dans les cours d'eau canadiens, l'environnement, la qualité des eaux et la conception de projets portant sur les



ressources en eau; et le matériel et les employés dans le programme d'étude des sédiments au Canada.  
CA EV NO NR PS SC ST

**Dorchester Swamp : area of natural and scientific interest (A.N.S.I.) : a life science inventory**

by D. McLeod. Toronto : Ministry of Natural Resources, 1987. v, 182 p. : maps. Bibliogr. ISBN 0-7729-2950-5  
MICROLOG 90-01078 3 fiche

The Dorchester swamp area of natural and scientific interest (ANSI) is located in the SE corner of Middlesex County approximately 3 km south-east of the Village of Dorchester. This study conducted a detailed inventory of the vegetation of the area to provide baseline data on species composition, community structure, and significant vegetation features; summarized and where possible supplemented current knowledge of the fauna of the area; and provided, using ecological criteria, reasoned evaluations, recommendations and opinions on how well the vegetation-landform features of the site district are represented. A preliminary investigation of the site was done using aerial photography, then a field itinerary was planned for a reconnaissance survey to include all vegetation types delineated. A literature search was also conducted to provide additional information about the area and to determine if other records of flora and fauna existed for the study sites. The field work itself involved the on-site collection of both qualitative and quantitative data.  
EV LS ON PR SC

**Dorset Research Centre study lakes : sampling methodology (1986-89) and lake morphometry**

by R. Girard and R.A. Reid. Dorset, Ont. : Ministry of the Environment, Water Resources Branch, 1990 v, 243 p. : maps. Bibliogr. (Data report / DR 90/4) ISBN 0-7729-7021-1  
MICROLOG 90-06959 3 fiche

Summary of the water chemistry and zooplankton sampling methods routinely used from 1986-89 at the Dorset Research Centre study lakes. Sampling was done weekly, bi-weekly or monthly, depending on the location of the lakes. The various profile sampling protocols within specified study lakes include dissolved oxygen, pH and dissolved inorganic carbon and odd metre interval hypolimnion chemistry. Maps of the study area and of each lake or basin and its morphometry are also included.  
EV LS ON PR SC

**Dossier socio-économique de la circonscription électorale d'Abitibi-Est**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-06225 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription d'Abitibi-Est.  
PA PR QU

**Dossier socio-économique de la circonscription électorale d'Abitibi-Ouest**

Québec : Directeur général des élections du Québec, 1989. 12 p.  
MICROLOG 90-06224 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés

à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription d'Abitibi-Ouest.  
PA PR QU

**Dossier socio-économique de la circonscription électorale d'Anjou**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06222 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établies par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales et des données sur l'industrie manufacturière pour la circonscription d'Anjou.  
PA PR QU

**Dossier socio-économique de la circonscription électorale d'Argenteuil**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-06221 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription d'Argenteuil.  
PA PR QU

**Dossier socio-économique de la circonscription électorale d'Arthabaska**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-06220 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription d'Arthabaska.  
PA PR QU

**Dossier socio-économique de la circonscription électorale d'Iberville**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-07291 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale d'Iberville tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

**Dossier socio-économique de la circonscription électorale d'Outremont**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06851 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés

à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale d'Outremont tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

**Dossier socio-économique de la circonscription électorale d'Ungava**

Québec : Directeur général des élections du Québec, 1989. 12 p.  
MICROLOG 90-06914 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale d'Ungava tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

**Dossier socio-économique de la circonscription électorale de Beauce-Nord**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-06219 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Beauce-Nord.  
PA PR QU

**Dossier socio-économique de la circonscription électorale de Beauce-Sud**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-06218 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Beauce-Sud.  
PA PR QU

**Dossier socio-économique de la circonscription électorale de Beauharnois-Huntingdon**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-06217 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Beauharnois-Huntingdon.  
PA PR QU







des données sur l'industrie manufacturière pour la circonscription de Chicoutimi.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Chomedey**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06201 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales et des données sur l'industrie manufacturière pour la circonscription de Chomedey.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Crémazie**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06920 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Crémazie tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de D'Arcy-McGee**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06919 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de D'Arcy-McGee tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Deux-Montagnes**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-07107 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Deux-Montagnes tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Dorion**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-07106 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Dorion tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Drummond**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-06846 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Drummond tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Dubuc**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-07295 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Dubuc tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Duplessis**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-07302 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Duplessis tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Fabre**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-07301 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Fabre tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques

de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Frontenac**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-07300 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Frontenac tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Gaspé**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-07299 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Gaspé tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Gatineau**

Québec : Directeur général des élections du Québec, 1989. 13 p.  
MICROLOG 90-07298 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Gatineau tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

#### **Dossier socio-économique de la circonscription électorale de Gouin**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-07294 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Gouin tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU



# **Dossier socio-économique de la circonscription électorale de Groulx**

Québec : Directeur général des élections du Québec, 1989. 9 p.  
MICROLOG 90-07293 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Groulx tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Hochelaga-Maisonneuve**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06847 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Hochelaga-Maisonneuve tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Hull**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-07292 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Hull tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Jacques-Cartier**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-07297 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Jacques-Cartier tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Jean-Talon**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-07026 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Jean-Talon tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Jeanne-Mance**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-07296 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Jeanne-Mance tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Johnson**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-07025 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Johnson tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Joliette**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-07024 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Joliette tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Jonquière**

Québec : Directeur général des élections du Québec, 1989. 9 p.  
MICROLOG 90-07023 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Jonquière tels: la population par municipalité; la superficie et les territoires administratifs; les

caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de Kamouraska-Témiscouata**

Québec : Directeur général des élections du Québec, 1989. 12 p.  
MICROLOG 90-07022 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription de Kamouraska tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de L'Acadie**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06223 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales et des données sur l'industrie manufacturière pour la circonscription de l'Acadie.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de L'Assomption**

Québec : Directeur général des élections du Québec, 1989. 9 p.  
MICROLOG 90-06703 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de L'Assomption tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

# **Dossier socio-économique de la circonscription électorale de La Peltre**

Québec : Directeur général des élections du Québec, 1989. 9 p.  
MICROLOG 90-06787 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de La Peltre tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU











**Dossier socio-économique de la circonscription électorale de Nelligan**

Québec : Directeur général des élections du Québec, 1989. 9 p.  
MICROLOG 90-06751 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Nelligan tels : la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Nicolet-Yamaska**

Québec : Directeur général des élections du Québec, 1989. 12 p.  
MICROLOG 90-06752 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Nicolet-Yamaska tels : la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Notre-Dame-de-Grâce**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06850 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Notre-Dame-de-Grâce tels : la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Papineau**

Québec : Directeur général des élections du Québec, 1989. 12 p.  
MICROLOG 90-06852 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Papineau tels : la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Pointe-aux-Trembles**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06853 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Pointe-aux-Trembles tels : la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Pontiac**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-06190 1 fiche

Le dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il présente principalement des données générales, des données sur l'agriculture ainsi que sur l'industrie manufacturière pour la circonscription électorale de Pontiac.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Portneuf**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-06191 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Le rapport fournit des données générales, des données sur l'agriculture et l'industrie manufacturière pour la circonscription électorale de Portneuf.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Prévost**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-06193 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Prévost.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Richelieu**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-06194 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Richelieu.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Richmond**

Québec : Directeur général des élections du Québec, 1989. 12 p.  
MICROLOG 90-06195 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Richmond.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Rimouski**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-06196 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Rimouski.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Rivière-du-Loup**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-06197 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Rivière-du-Loup.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Robert-Baldwin**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06198 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales et des données sur l'industrie manufacturière pour la circonscription de Robert-Baldwin.

PA PR QU

**Dossier socio-économique de la circonscription électorale de Roberval**

Québec : Directeur général des élections du Québec, 1989. 11 p.  
MICROLOG 90-06199 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription de Roberval.

PA PR QU











**Dossier socio-économique de la circonscription électorale de Viau**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06987 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Viau tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

**Dossier socio-économique de la circonscription électorale de Viger**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06844 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Viger tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

**Dossier socio-économique de la circonscription électorale de Vimont**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06991 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Vimont tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

**Dossier socio-économique de la circonscription électorale de Westmount**

Québec : Directeur général des élections du Québec, 1989. 8 p.  
MICROLOG 90-06988 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale de Westmount tels: la population par municipalité; la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

**Dossier socio-économique de la circonscription électorale des Chutes-de-la-Chaudière**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-06200 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés

à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988 et publiée à la Gazette officielle du Québec en date du 8 juin de la même année. Il fournit des données générales, des données sur l'agriculture et sur l'industrie manufacturière pour la circonscription des Chutes-de-la-Chaudière.  
PA PR QU

**Dossier socio-économique de la circonscription électorale des Iles-de-la-Madeleine**

Québec : Directeur général des élections du Québec, 1989. 10 p.  
MICROLOG 90-07290 1 fiche

Ce dossier socio-économique fait partie d'une série de 125 dossiers qui ont été confectionnés à partir de la liste des circonscriptions établie par la Commission de la représentation au printemps 1988. Il donne des renseignements sur la circonscription électorale des Iles-de-la-Madeleine tels: la population par municipalité, la superficie et les territoires administratifs; les caractéristiques de la population, du logement, des ménages et des familles de recensement. Il donne aussi quelques données sur l'agriculture et l'industrie manufacturière.  
PA PR QU

**La Douance : orientation générale des services éducatifs**

Fredericton : Ministère de l'éducation, Direction générale du développement pédagogique, 1989. 42 p. Bibliogr.  
MICROLOG 90-01145 1 fiche

La qualité de l'éducation des élèves doués et talentueux fait l'objet depuis les dernières années de préoccupations de plus en plus pressantes de la part du ministère de l'Éducation et des principaux intervenants du domaine de l'éducation. Ce guide propose aux conseils scolaires des lignes directrices sur l'organisation et l'administration de services éducatifs destinés à l'élève doué. Le document fait état de la situation et se penche sur les programmes offerts.  
AP ED PR

**Une Double révolution : technologie et gestion des ressources humaines**

par Gordon Betcherman, Keith Newton et Joanne Godin. Ottawa : Conseil économique du Canada, 1990. xi, 69 p. L'éd. anglaise (*Two steps forward...*) sur la même fiche.  
ISBN 0-660-92962-7  
MICROLOG 90-06439 2 fiche

Cet ouvrage a pour objet l'innovation dans les organismes canadiens. Il porte sur diverses technologies utilisées dans un certain nombre de branches d'activité et met surtout l'accent sur la dimension humaine de l'innovation. Il se penche particulièrement sur les points suivants: les travailleurs et la qualité; les conventions collectives et le changement technologique; les systèmes et les gens; la gestion du changement sociotechnique de Pratt et Whitney Canada; les avantages de l'intéressement des travailleurs à l'entreprise dans l'industrie du montage des appareils ménagers; la synerlogie; les ratés du changement technologique; l'impact sur les travailleuses; et, la technologie au service des handicapés.  
CA LA PA

**Downloading : a tool for creating a local database : feasibility study**

by L. Carmel and G. Deschatelets. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, External Collaboration Directorate, 1988. v, 180 p. : ill. Bibliogr. French ed. (*Création d'une base de données...*) : 90-04203/2.  
MICROLOG 90-04208 2 fiche

A research project was conducted from 1986 to 1988 to design an integrated service of information resources which would allow the

Center's researchers and administrators to access, in a single system, all available information resources, including the catalog of the documentation center, a bibliographic database, the Center's archives, and the factual databases (directory of specialties, on-going research, grants). A feasibility study was conducted to determine the technical, economical and legal implications of creating such a bibliographic database by systematically downloading, from external databases, citations relevant to the topic of workplace automation (office automation), by converting and reformatting them, and by uploading them in the local information system (MINISIS). This paper presents the results of the study, the problems encountered and recommendations.  
CA PS SC TE

**Downtown eastside housing and residents surveys, 1987-88**

Ottawa : Canada Mortgage and Housing Corporation, 1989. vi, 100 p. : ill., maps.  
MICROLOG 90-03776 2 fiche

The survey determines the residents' attitude toward affordability, adequacy, suitability and accessibility of housing. It also focuses on: the demographics of the community and the residents' perception of the community, their socialization patterns, the accessibility of amenities and services; and the residents' participation in organized activities. The survey also examines the residents' opinions as to the desirability and direction of change in the housing stock and the community.  
• BS CA SA

**Downtown employment study : final report**

Toronto (Ont.). Downtown Employment Study Steering Committee. Toronto : The Committee, 1988. 56 p. : ill. CSI 89181.215.  
MICROLOG 90-02412 1 fiche

Presents the major findings of the following sub-studies outlook for office space and employment in the Central Core, employment impacts of technological change in the City of Toronto; financing office development; and a comparative study of Downtown office sectors. It includes a discussion of study findings.  
LA MU ON ST

**Downtown parking study, 1988**

Halifax : Halifax Development and Planning Dept., 1988. 62 p. : maps. CSI 89616.003  
MICROLOG 90-03597 1 fiche

Examines parking in the Central Business District and the peripheral commercial areas of Gottingen Street and Spring Garden Road. The survey summarized in this report was conducted in the fall of 1987 and updates the findings of the 1982 Halifax Downtown Parking Study.  
AP MU PL

**Downtown pedestrian study**

Halifax : Halifax Development and Planning Dept., 1988. 28 p. : maps.  
MICROLOG 90-03405 1 fiche

Assesses pedestrian flow levels and patterns in the Central Business District and the adjacent commercial areas of Spring Garden Road and Gottingen Street. It determines an average hourly pedestrian count for each mid-block location, and records peak hour counts.  
AP MU PL

**Draft acid rock drainage technical guide, vol. 1 : British Columbia Acid Mine Drainage Task Force report**

prepared for the British Columbia Acid Mine Drainage Task Force ; by Steffen Robertson and Kirsten (B.C.) Inc. ; in association with Norecol Environmental Consultants, and Gormely Process Engineering. Ottawa : Energy, Mines and Resources ; Victoria :



Ministry of Energy, Mines and Petroleum Resources, 1989. 271 p. Bibliogr. ISBN 0-7718-8893-7  
MICROLOG 90-02482 3 fiche

Guide to the process of acid rock drainage (ARD) along with guidance and recommendations in the application of state-of-the-art technology in prediction, control and monitoring of ARD. Recommendations do not necessarily apply only to coal mining, but to any drainage which occurs as a result of natural oxidation of sulphide materials contained in rock which is exposed to air and water.  
BC NR PR SC

### Draft amendments to the Income Tax Act and related statutes

Ottawa : Dept. of Finance, 1990. 309 p. French ed. (*Avant-projet...*) : 90-06858/4.  
MICROLOG 90-06857 4 fiche

Contains the text of the Draft Amendments issued by the Honourable Michael H. Wilson, Minister of Finance, July 1990. The Amendments are for the Income Tax Act and the application rules of 1971; the Canada Pension Plan, the Cultural Property Export and Import Act, the Income Tax Conventions Interpretation Act, the Tax Court of Canada Act, Unemployment Insurance Act, 1971, the Federal-Provincial Fiscal Arrangements and Federal Post-Secondary Education and Health Contributions Act, 1977, the Old Age Security Act, the Public Utilities Income Tax Transfer Act, and the War Veterans Allowance Act.  
CA CO PA

### Draft guidelines for an environmental impact assessment : 25 MW wood-fired generating station, Sussex, N.B.

issued by the Minister of the Environment ; to the New Brunswick Department of Natural Resources and Energy. Fredericton : Environment New Brunswick, 1990. 11 p. Bibliogr. French ed. (*Projet de directives pour...*) on the same fiche.  
MICROLOG 90-04559 1 fiche

Guidelines to provide a general framework to be used in the preparation of an Environmental Impact Assessment (EIA) of the proposal by the N.B. Dept. of Natural Resources and Energy to construct and operate a 25 MW wood-fired generating station in the Sussex area. The registered project is for a facility to be designed to produce electricity with a nominal capacity of 25 MW and to burn, as a primary fuel, whole tree chips from private woodlots, roadside tops and slash, and sawmill residue, as well as other non-merchantable timber. The guidelines identify the important environmental issues arising from the proposal and provide a general framework for conducting an EIA, including public participation.  
AP EV PR SC

### Draft guidelines for an environmental impact assessment : Alcell Developments Inc., expansion of the Alcell Pilot Plant

Fredericton : Environment New Brunswick, 1990. 6 p. Bilingual (*Projet de directives, relativement à...*)  
MICROLOG 90-06980 1 fiche

This document identifies important environmental issues arising from the proposal by Alcell Developments Inc. to expand the existing Alcell demonstration plant from a 33 tonne per day to a 300 tonne per day facility. The proposed plant will produce fully bleached hardwood pulp using a process of oxygen delignification followed by chlorine dioxide, caustic extraction with oxygen and a second chlorine dioxide stage. No elemental chlorine will be used in the proposed bleaching process. This assessment is limited to an examination of the impacts of gaseous emissions, liquid effluent and solid waste from the facility.  
AP EV FO PR SC

### Draft guidelines for an environmental impact assessment : N.B. Power, Millbank Generating Station

issued by the Minister of the Environment ; to New Brunswick Power. Fredericton : Environment New Brunswick, 1990. 9 p. French ed. (*Projet de directives relatives...*) on the same fiche.  
MICROLOG 90-03330 1 fiche

Document to identify important environmental issues arising from the proposal by the New Brunswick Electric Power Commission (N.B. Power) to construct and operate a combustion turbine generating station with a nominal capacity of 400 MW (4 x 100 MW turbines) at Millbank, New Brunswick. This proposed facility, which will burn low sulphur diesel oil (0.5%), is expected to operate for approximately 500 hr/yr to provide peaking capacity for both domestic use and for export. The guidelines provide a general framework for conducting an environmental impact assessment. This document gives guidelines on the conduct of the EIA and methods of report preparation. Significant issues are identified as the impact of gaseous emissions from the proposed plant, power transmission impacts, impacts of noise, social impacts, impacts of accidental spills, and impacts of groundwater consumption. Environmentally significant areas are also identified.  
AP EN EV PR SC

### Draft guidelines for the preparation of an environmental impact statement on air transportation proposals for the Toronto area

Toronto : Federal Environmental Assessment Review Panel, 1990. iii, 25 p.  
MICROLOG 90-04858 1 fiche

This document, prepared by the Environmental Assessment Panel reviewing air transportation proposals in the Toronto area, contains the draft guidelines for the preparation of an Environmental Impact Statement (EIS). The draft guidelines were prepared after holding 6 days of scoping meetings in April during which 104 oral presentations were made. It also received an additional 86 written submissions. The guidelines are intended to provide general guidance and instruction to Transport Canada, the initiating department, in its preparation of the EIS for the proposal of 2 additional runways at Pearson International Airport. The document covers project setting, project need, alternatives, project description, environmental impacts, socio-economic impacts, monitoring, mitigation and compensation measures, safety, and the public consultation program.  
● CA EV MU ON SC TR

### Draft management plan for MacMillan Provincial Park

see MacMillan Provincial Park : master plan

### Drift prospecting

editors: R.N.W. DiLabio, W.B. Coker. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 169 p. : ill., maps. Bibliogr. (Paper : 89-20) *Papers drawn from a special session, which was part of the International Congress of the International Union for Quaternary Research.* ISSN 0068-7650 ISBN 0-660-13361-X  
MICROLOG 90-01823 2 fiche

Collection of papers presented in 1987, showing a variety of types of research being carried out in different geological settings in Canada and Finland. The papers indicate the value of grassroots studies in glacial geology and how the basis for drift prospecting is a thorough understanding of the provenance, stratigraphy, and ice flow directions of glacial sequences, backed by data on the geochemistry, lithology, and mineralogy of glacial sediments. Abstracts

are included for each paper.  
CA NR PS SC

### The Driver demerit point warning letter : focus group testing of alternative letters : final report

Creative Research Group. Toronto : Ministry of Transportation, Transportation Regulation Development Branch, Safety Coordination and Development Office, 1989. 102 p. CSI 56289.200. ISBN 0-7729-6113-1  
MICROLOG 90-07164 2 fiche

This study was conducted in March 1989 among 85 Ontario drivers, selected to represent different segments of the driving population in age, sex, educational achievement or vocational driving. The respondents were divided into 14 small groups of 6 individuals, with each group reacting to the current warning letter and to 4 alternative versions.  
ON PR SC ST TR

### Driver improvement as post-licensing control : the state of knowledge

by A.C. Donelson and D.R. Mayhew. Downsview, Ont. : Ministry of Transportation and Communications, Transportation Regulation Development Branch, Safety Coordination and Development Office, 1987. xxv, 207 p. Bibliogr. ISBN 0-7729-2853-3  
MICROLOG 90-02320 3 fiche

Presents findings of a study designed to review present knowledge about driver improvement and describes the state of the art in this area of post-licensing control. Specifically, it summarizes and updates findings of an earlier review of driver-improvement programs; identifies and reviews literature on driver-improvement programs and other interventions; characterizes 'systems approaches' to driver improvement and assesses their effectiveness; and, to the extent possible, compares the effectiveness of general approaches and specific programs.  
ON PR TR

### Les Drogues licites et illicites au Canada

Ottawa : Santé et bien-être social Canada, 1989. viii, 36 p. : ill. L'éd. anglaise (*Licit and illicit...*) sur la même fiche. ISBN 0-662-95562-5  
MICROLOG 90-05214 1 fiche

Ce rapport réunit les données de plusieurs sources d'information traitant des tendances qui se dessinent relativement à la consommation de drogues au Canada. Ainsi, il traite des points suivants : l'usage des effets de certaines drogues dites licites, telles que les tranquillisants, les somnifères, les analgésiques et les amphétamines; les données canadiennes récentes relatives aux drogues illicites, telles que la cocaïne, la marijuana, les hallucinogènes, l'héroïne et les substances volatiles.  
CA HE

### Le Droit de savoir de la collectivité : incidences de la législation sur les unités d'hygiène publique au Canada

par B.A. Reeder. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1987. ii, 16 p. Bibliogr. ISBN 0-660-92306-8  
MICROLOG 90-02065 1 fiche

Il semble probable qu'au cours des prochaines années, une certaine quantité d'information concernant les substances dangereuses sur le lieu de travail sera accessible aux citoyens dans un certain nombre de collectivités canadiennes. Cependant, il n'est pas encore clairement établi sous quelle forme cette information sera disponible, et par quel moyen, ni quelle sera l'étendue de la demande dont elle fera l'objet. Ce document se penche particulièrement sur le droit de savoir de la collectivité, et, les incidences sur les unités



d'hygiène publique.  
• CA HE LA

# **Le Droit de vote des femmes au Québec : bibliographie sélective**

par M. Vlach, G. Galichan et L. Tessier.  
Montréal : Bibliothèque nationale du Québec,  
1990. 192 p. : ill. ISBN 2-551-12316-X  
MICROLOG 90-04987 2 fiche

Cette bibliographie est divisée en deux parties : la partie chronologique 1791-1940, composée de publications législatives et d'articles de journaux, et la partie alphabétique où figurent des études, mémoires, articles de revues et de journaux et autres publications ayant un rapport direct au sujet traité dans ce document.  
JU PA PR QU

# **Les Droits à l'instruction dans la langue de la minorité : l'article 23 de la Charte**

par J.-C. Ducharme. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989.  
20 p. Bibliogr. (Bulletin d'actualité ; 89-6F)  
L'éd. anglaise (*Minority language education...*) sur la même fiche. ISBN 0-660-92726-8  
MICROLOG 90-01849 1 fiche

L'article 23 de la Charte permet aux parents canadiens de faire instruire leurs enfants dans la langue officielle de leur choix. Toutefois, ce droit à l'instruction dans la langue de la minorité n'est pas absolu; certaines conditions doivent être remplies pour qu'il se concrétise. Après un bref rappel sur les rapports entre droits confessionnels et droits linguistiques, ce bulletin traite des conditions d'exercice des droits à l'instruction dans la langue de la minorité et de l'étendu de ces droits.  
CA ED SA

# **Les Droits des autochtones**

par W. Moss. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989.  
19 p. Bibliogr. (Bulletin d'actualité ; 89-11F)  
L'éd. anglaise (*Aboriginal rights*) sur la même fiche. ISBN 0-660-92929-5  
MICROLOG 90-05356 1 fiche

Les litiges portant sur les droits des autochtones visent à déterminer dans quelle mesure les peuples autochtones peuvent être soustraits à l'exercice de pouvoirs législatifs provinciaux et fédéraux en raison de droits juridiques précis découlant de titres ancestraux non éteints, de traités, de la Constitution, du droit international et d'autres sources. Ce document se penche sur la question et aborde les principaux points concernant les droits des autochtones.  
CA JU NP

# **Dropouts in French-language schools : a study of the identification of potential dropouts in French-language secondary schools in Ontario**

by P. Quirouette, O. Saint-Denis and N. Huot.  
Toronto : Ministry of Education, 1989. 37 p. : ill. (Student retention and transition series) (Research brief) CSI 55108.205  
ISSN 0839-5039 ISBN 0-7729-6096-8  
MICROLOG 90-06332 1 fiche

This research paper summarizes the activities, various components and results of a project entitled 'Francophone Dropouts: A Study of the Identification of Potential Dropouts in French-Language Secondary Schools in Ontario,' Reports I, (1986), II (1987), and III (1988). The main objective is to develop a valid questionnaire to identify, upon their entry into the secondary school program, those students who are likely to drop out. It suggests various intervention strategies that the schools could implement with respect to the students identified, and provides the participating schools with documentation of the efficacy of the

various interventions.  
ED ON PR

# **Drought monitoring, detection and early warning : summary**

by W. Nicholaichuk. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 5 p. (NHRI contribution ; no. 88028)  
*Prepared for the Prairie Drought Workshop. In NHRI Symposium: no. 2, 1988. ISSN 0838-1992*  
MICROLOG 90-06495 1 fiche

Summary of the keynote speech and following workshop discussions on drought definitions and indices, network design and sufficiency, remote sensing, geographical progression of drought, and multiyear droughts. The paper reviews the highlights and itemizes the recommendations arising from the working group discussions.  
AG CA MS SC

# **Drought, agriculture and government action**

by J.-D. Fréchette. Ottawa : Library of Parliament, Research Branch, 1989. 15 p. Bibliogr. (Current issue review ; 89-3E)  
*French ed. (Les Sécheresses, l'agriculture...) on the same fiche. ISBN 0-660-13324-5*  
MICROLOG 90-01846 1 fiche

This analysis looks at the history of drought in the Canadian West and compares the various periods of drought to see if the lessons of the past have been assimilated. The paper also traces the evolution of government action. While listing 19th and 20th century experiences of drought, the paper concentrates on the most recent in 1988, including reasons for its severity and a comparison with the drought of the 1930s. Government action, beginning in the 1930s, is summarized and special programs are listed, along with the permanent safety net programs in place. A chronology is included  
AG CA CI PA SC

# **Drug abuse in Canada -- Rev.**

by H. McKenzie. Ottawa : Library of Parliament, Research Branch, 1989. 17 p. Bibliogr. (Current issue review ; 87-7E)  
*French ed. (L'Abus des drogues...) on the same fiche. ISBN 0-660-13393-8*  
MICROLOG 90-03029 1 fiche

This publication discusses general trends in illegal drug use, social consequences of drug abuse, and controls and remedial measures. It also covers parliamentary action on this matter.  
BS CA CI SA

# **Drug laws and trafficking patterns in Canada**

by M. Dunsmuir. Ottawa : Library of Parliament, Research Branch, 1989. 47 p. ill., maps. Bibliogr. (Backgrounders ; BP-220E)  
ISBN 0-660-13497-7  
MICROLOG 90-05368 1 fiche

Examines drug trafficking in Canada, with particular reference to the international context. It includes a brief summary of the constitutional background, and a description of applicable criminal law and the current punishment and treatment of drug addicts. Evidence from the yearly reports of various agencies shows the dimensions and nature of the drug trafficking industry in Canada and its primary sources. Finally, the paper mentions the relevant international conventions to which Canada adheres.  
CA CI SA

# **Drug testing and privacy**

Ottawa : Privacy Commissioner of Canada, 1990. 79, 90 p. Bibliogr. *Bilingual (Le Dépistage antidrogue et...)*. ISBN 0-662-57569-5  
MICROLOG 90-05169 2 fiche

Contains an examination of variables in the drug testing process, drug testing and general privacy issues, drug testing and the Privacy Act, and compliance of government testing policies with the Privacy Act.  
CA CI JU

# **Drugs Directorate guidelines : glossary of terms**

Ottawa : Health and Welfare Canada, Health Protection Branch, 1990. ii, 35 p. *Bilingual (Directives de la Direction des...)*  
MICROLOG 90-05231 1 fiche

This glossary was created by the Drugs Directorate. It standardizes the terminology which will be used in conjunction with the drug submission control tracking system effective July 1, 1989, giving English-French terms with a definition for each term.  
CA HE

# **Dry cow therapy -- Rev.**

by N.G. Anderson and J.F. Cote. Toronto : Ministry of Agriculture and Food, 1990. 4 p. Bibliogr. (Factsheet) ISSN 0225-7882  
MICROLOG 90-05346 1 fiche

Short summary of one aspect of mastitis management using dry cow therapy. The summary covers the reasons for such therapy, the types of antibiotic treatment, drying cows off, procedures for therapy, treatment precautions, which cows to dry treat, and other management practices for mastitis control.  
AG ON PR SC

# **Dual-fired energy efficient boiler system : final report**

Bristol Aerospace Limited Winnipeg : Manitoba Energy and Mines ; Ottawa : Energy, Mines and Resources Canada, 1988. 48 p. : ill.  
MICROLOG 90-01241 1 fiche

As part of the Enerdemo Program, a program aimed at financing conservation and alternative energy demonstration projects, Bristol Aerospace received funds for a novel boiler system which was designed by Bristol Aerospace and Volcano, a boiler manufacturer. The boiler system is controlled by a computer which monitors electrical demand. At off-peak times the system operates on electricity but when demand reaches a predetermined point the system switches to natural gas. The gas train can operate outside the control system in the event of a failure. The system is suited for an operation which has a high peak usage of electricity but still requires heat during off-peak periods. This report describes the boiler and its performance during 1987  
• CA EN MS PR PS SC

# **Ducks Unlimited Canada, Oak Hammock Marsh Conservation Centre/Office proposal : report of the hearing**

Manitoba, Clean Environment Commission Winnipeg : The Commission, 1990. 117 p. : maps.  
MICROLOG 90-07161 2 fiche

On December 8, 1989, Ducks Unlimited Canada filed a proposal to construct and operate a conservation centre, including a head office facility, within Oak Hammock Marsh Wildlife Management Area. The proposed conservation centre would focus heavily on wetland-associated environmental education from a continental perspective. Its location adjoining the Oak Hammock Marsh would provide first-hand observation of a world class wetland. Public hearings were held by the Clean Environment Commission in March 1990. This report provides a summary of the proposal, the submissions supporting and opposing it, and the views of the relevant provincial departments. Discussion is included on the issues of the use of the marsh, the environmental impact, considerations about the



office building, the interpretive centre, and jurisdiction and legal matters; wetland preservation; tourism and economic development; and urbanization and commuting. Recommendations are included.  
EV MS PR SC

### Dundee Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 553) Fold. maps not filmed.  
MICROLOG 90-04563 1 fiche

Geological data inventory for Dundee Township, including a checklist of data sources, a reference list of mineral commodities, type of exploration work by company, results of an airborne geophysical survey, topographic maps available, results of an OGS/ODM general index search, and selected references.  
NR ON PR SC

### Dune formations associated with multiple redd construction by chinook salmon in the Upper Nechako River, British Columbia, Canada

by B.D. Tutty. Nanaimo, B.C. : Dept. of Fisheries and Oceans, South Coast Division, 1986. iv, 28 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 1893) ISSN 0706-6473  
MICROLOG 90-00367 1 fiche

The Nechako River is tributary to the Fraser River at Prince George, B.C. During September 1974, observations were made on chinook salmon spawning in the Upper Nechako River. The spawning area in this part of the river is unusual in that it contains variably-sized dunes ranging from .75 m in height and 15 m in length and situated perpendicular to the river flow. This report describes how multiple dunes were formed within the wetted perimeter of the river and suggests they may be beneficial to the propagation of Nechako River chinook salmon stocks.  
• BC CA CF FI LS SC

### Dunnet Township, Sudbury mining division 411/8

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 541) Fold. maps not filmed.  
MICROLOG 90-02998 1 fiche

Geological data inventory for Dunnet Township, including a checklist of sources, mineral commodities reference list, exploration work by company, topographical maps available, results of a general index search, selected references, and aerial maps available.  
NR ON PR PS SC

### Durum production

Regina : Saskatchewan Agriculture and Food ; Saskatchewan Rural Development, 1989. 3 p. (Farm facts) ISSN 0840-9447  
MICROLOG 90-03564 1 fiche

Short description of the growing of durum wheat, including varieties, seed quality, seeding practices, fertilizer use, weed control, diseases, insects, harvesting, and marketing and prices.  
AG MS PR SC

### Dust suppressant study

Acres International Limited. Toronto : Environment Ontario, Waste Management Branch, 1988. 205 p. : ill., maps. Bibliogr. ISBN 0-7729-4349-4  
MICROLOG 90-00129 3 fiche

Concerns have been expressed about the long-term environmental effects of using materials such as waste oil for dust control on unpaved roads. This report describes a study to examine the effectiveness and impact on the adjacent environment of a variety of substances that are used at present or might be appropriate in the future. The study reviewed the available information and regulations; selected particular suppressants to be evaluated in field tests and selected sites where these suppressants had been used exclusively for several years; monitored dustfall at the 6 sites; analyzed road surfaces, roadside soil and vegetation, background soil and the suppressants themselves to investigate the significance and fate of major components of the suppressants to the environment; and measured vehicle-generated dust using fixed and mobile samplers.  
EV ON PR SC TR

### Dynamic acoustic intensity scanning for the detection of fatigue in offshore structures : final report

by J. Guigné and G. Williams. St. John's : Memorial University of Newfoundland, Centre for Cold Ocean Resources Engineering, 1989. ii, 167 p. : ill. Bibliogr. CANMET contract: 69208-01-SQ.  
MICROLOG 90-07109 2 fiche

Offshore developments around Newfoundland and Labrador are expected to utilize floating production systems, the majority of which would be constructed of welded steel plates, operating in a very hostile environment, and therefore subjected to considerable deterioration and damage. Techniques have been identified to accurately monitor the safety of these structures, but they are limited in application because they must operate in close proximity to the welded joints. This project focuses on an energy flow mapping approach called dynamic acoustic intensity scanning (DAIS), developed at C-CORE. This report details the research program and outlines the current research status; reviews the papers which have arisen from the project; and describes the equipment used in the project, including the limitations and resolutions of the equipment and the calibration techniques and standards used in establishing the DAIS methodology.  
• AP CA CM NR PS SC

### Dynamic ion exchange chromatography for sensitive determination of rare earths in steel

by D.J. Barkley and L.A. Pokrajac. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. 13 p. Bibliogr. (Report ; MSL 90-56(IR))  
MICROLOG 90-07117 1 fiche

A high-performance liquid chromatographic procedure has been developed for the direct determination of rare-earth elements in steel. Optimization of the effective capacity of the dynamic ion exchanger and the increased sensitivity of a post column reaction with Arsenazo 111 permitted detection down to 0.1 ng g<sup>-1</sup>. The analysis of rare earth earths in N B S steel standards without pre-separation are shown. This paper describes the results of an investigation of chromatographic and post-column reaction conditions for the direct separation and determination of ppm concentrations of rare earths in steels and iron alloys.  
• CA CM NR PS SC

### A Dynamic traffic assignment model and a solution algorithm

by O. Drissi-Kaitouni and A. Hameda-Benchekroun. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 20 p. : ill. Bibliogr.

(Publication ; no. 649)  
MICROLOG 90-01405 1 fiche

Paper proposing a dynamic traffic assignment model (DTAP) mainly based on the assumption that the time spent by a vehicle on a link may be decomposed into a fixed travel time plus a waiting time. The fixed travel time corresponds to the free or uncongested travel time over the link. Then the vehicle is put in an exit queue (which resides on the same link) until it becomes possible to enter a forward link; this decision is based on the link costs and their capacities. The paper shows that this model leads to a network structure (a temporal expansion of the base network, including the queues) and therefore the DTAP may be viewed as a 'simple' static traffic assignment problem (STAP) over the expanded network. Therefore all the theory developed during the past 40 years for the STAP may be used to solve the DTAP  
PR PS QU SC TR

### Dynamics of internal migration in Bangladesh

by A.K.M.N. Nabi. Edmonton : University of Alberta, Dept. of Sociology, 1990. 32 p. Bibliogr. (Research discussion paper ; no. 64) Paper presented at the Annual Meeting of the Canadian Population Society and at the Learned Society Meetings. ISSN 0317-2473  
MICROLOG 90-06453 1 fiche

Inter-regional net migration rates for Bangladesh have been estimated using the available data set from the 1974 and 1981 census reports. A multiple regression model of internal migration in Bangladesh has failed to support the argument that internal migratory flows are determined by high population density. The development of the agrarian social structure of this country is rooted in the historical evolution of the land tenure system. The analysis indicated a tentative support to the argument that the unequal hierarchical relations of people to the land in the country condition the process by which migration takes place.  
• CA EX SA

### Dynamics of phosphorus in a chain of lakes : the Fishing Lakes

by B.C. Kenney. Saskatoon, Sask. : Inland Waters Directorate, National Hydrology Research Institute, 1990. vi, 18 p. : ill. Bibliogr. (NHRI paper ; no. 44) (Scientific series ; no. 176) French ed. (*Dynamique du phosphore...*) on the same fiche. ISBN 0-662-17581-6  
MICROLOG 90-06302 1 fiche

Saskatchewan's Fishing Lakes, the primary recreation lakes for residents of Regina, are plagued by immense blooms of algae throughout the summer. The algae thrive on high concentrations of nutrients, particularly phosphorus. The dynamics of phosphorus in lakes are normally controlled by water renewal rates and sedimentation. In this report, the theory of phosphorus dynamics was extended to include a chain of lakes like the Fishing Lakes. A model was developed based on the water renewal or outflow time scale, the sedimentation time scale, and the water inflow time scale. The dynamic variation of phosphorus in the Fishing Lakes from 1980-83 was then simulated using the phosphorus inflow concentrations measured every 3 days by WQB and the daily water flows as input data. A second simulation was run using the sparse data set that was available for phosphorus inflow from 1970-79. The calculated outputs were directly compared with the measured outflow concentrations.  
CA EV MS NR SC



### Dynamics of rainbow trout bacterial flora during *Yersinia ruckeri* induced enterosepticemia

by R. Lesel...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 4 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5194) *Originally published in French.* ISSN 0704-3716  
MICROLOG 90-00061 1 fiche

During a *Yersinia-ruckeri*-induced epidemic, the bacterial flora harboured by the rainbow trout was studied. This paper presents the results of that study.

• CA CF FI LS SC

### The Dynamics of the parasitic fauna of different forms of the Arctic char *Salvelinus alpinus* L. in the basin of Lake Azabach'e

by T.E. Butorina. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 21 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5135) *Originally published in Russian, at Leningrad, USSR.* ISSN 0704-3716  
MICROLOG 90-00112 1 fiche

The study of the age changes in parasitic fauna calls for thorough analysis of this fauna's dependence on the morphological and ecological changes characterizing the successive stages of fish development. The differences in the parasitic fauna of various intraspecific forms of Arctic char (lake predators and benthophages, and brook and diadromous forms) inhabiting Lake Azabach'e and the Kamchatka River were earlier established and described. This study determined the changes in the parasitic fauna of different aged Arctic char depending on their food habits, using chars collected from 1969-71 and in 1973.

• CA CF FI LS SC

### Dynamique du phosphore dans une chaîne de lacs : les lacs Fishing

par B.C. Kenney. Saskatoon, Sask. : Direction générale des eaux intérieures, Institut national de recherche en hydrologie, 1990. vi, 19 p. il. Bibliogr. (Rapport de l'INRH ; no 44) (Série scientifique, étude no 176) *L'éd. anglaise (Dynamics of phosphorus...) sur la même fiche.* ISBN 0-662-95977-8  
MICROLOG 90-06302 1 fiche

Les lacs Fishing en Saskatchewan, les principaux lacs de villégiature pour les résidents de Régina, sont infestés tout l'été par d'impressionnantes proliférations d'algues. Celles-ci tirent leur subsistance de fortes concentrations d'éléments nutritifs, particulièrement du phosphore. La dynamique du phosphore dans les lacs dépend habituellement du temps de renouvellement des eaux et de la sédimentation. Dans ce rapport, la théorie de la dynamique du phosphore a été étendue à une chaîne de lacs, les lacs Fishing. Si l'on en croit les résultats du modèle obtenus à partir de toutes les données disponibles depuis 1970, les lacs Fishing sont saturés de phosphore et il ne s'y produit pas de sédimentation nette. Ce document se penche principalement sur cette question.

CA EV MS NR SC

### The Early growth of kokanee *Oncorhynchus nerka* fry in relation to ration

by N.T. Johnston...et al. Victoria : Ministry of Environment and Parks, 1988. i, 13 p. : ill. Bibliogr. (Fisheries management report ; no. 90) ISSN 0705-5390 ISBN 0-7726-0783-4  
MICROLOG 90-00633 1 fiche

Growth rates of newly-emerged kokanee fry in their natural environment were determined by pen-rearing experiments, and their observed growth was compared to that of fish reared at

known rations under the same temperature regimes in hatchery troughs. The work was done to assess the effects of altered limnological conditions in Kootenay Lake on the early growth of West Arm stock, which has undergone catastrophic declines in adult returns simultaneously with decreased inputs of phosphorus to the main lake.  
BC FI LS PR SC

### Early ontogenesis of the Yezo scallop : quantitative characteristics of metabolism in a laboratory culture

by L.G. Makarova...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 18 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5425) *Originally published in Russian, at Moscow, U.S.S.R.* ISSN 0704-3716  
MICROLOG 90-01521 1 fiche

Commercial exploitation of the Yezo scallop in southern Primor'ye, USSR, have been ongoing since 1919, with scallop cultivation beginning in 1962 when the natural fishing grounds were closed. The expansion of scallop plantations is mainly held back by organizational and material-technical reasons, as well as by instability of the spat harvests. This instability has led to the need to develop methods of obtaining hardy scallop spat in a fully controlled environment. This paper deals with the main physiological processes of the scallop at the juvenile stages, enabling the development of tentative standards for feed concentration, the rate of supplying feed, oxygen conditions and the density of stocking. The investigations were carried out from May-July in 1983 and 1984 using 3d and 4th year scallops.

• CA CF FI LS SC

### Early Ordovician trilobite faunas of the Boat Harbour and Catoche Formations (St. George Group) in the Boat Harbour-Cape Norman area, Great Northern Peninsula, western Newfoundland

by W.D. Boyce. St. John's : Government of Newfoundland and Labrador, Dept. of Mines and Energy, Geological Survey Branch, 1989. ix, 168 p. : ill. Bibliogr. (Report ; 89-2) ISSN 0843-8972 ISBN 0-920769-46-2  
MICROLOG 90-04119 2 fiche

This report presents a descriptive systematic paleontology presenting a taxonomic analysis of the trilobite faunas of the Boat Harbour and Catoche formations in the Boat Harbour-Cape Norman region, along with biostratigraphic aspects. The biostratigraphic aspects include the erection of a biostratigraphic zonation, the correlation of the trilobite faunas with those of the standard Ross (1951)-Hintze (1953) Ordovician trilobite zones of Utah-Nevada, and the classic deposits of the Canadian Series in New York-Vermont and Missouri-northern Arkansas; and the correlation of the Canadian stages proposed by Flower (1954) with the Ross-Hintze zones. Preliminary trilobite collections were obtained from the study area during the summer of 1976, with further collections obtained the following year. Simultaneously, a detailed bed-by-bed composite lithostratigraphic section was measured at Boat Harbour. During the summers of 1978, 1985 and 1987, the Boat Harbour section was revisited and certain problematical intervals were re-examined and sampled.

AP NR PR PS SC

### Early results of a spacing trial in a precommercially thinned balsam fir stand in western Newfoundland

by M.B. Lavigne and J.G. Donnelly. St. John's : Canadian Forestry Service, Newfoundland Forestry Centre, 1989. vi, 23 p. : ill. Bibliogr. (Information report ; N-X-269) ISSN 0704-7657 ISBN 0-662-17228-0

MICROLOG 90-02518 1 fiche

Precommercial thinning of young balsam fir stands is a common practice in eastern Canada, although accurate predictions of the gains in yield have not yet been produced. Thinning always involves trading off complete occupancy by the stand for increased growth per tree, but no data are available to show which spacing strikes the best balance. Spacing trials were established in precommercially thinned stands in Newfoundland to address these needs. The first reporting was done in 1987 and the results of the 5th year remeasurement are presented in this report. Comparisons are made of unthinned, 1.2 m, 1.8 m, 2.4 m, and 3.0 m spacings.

• AP CA FO SC

### Earth sciences in the service of the nation : a report on the Geological Survey of Canada

published for the Canadian Geoscience Council. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 29, 29 p. (Paper ; 89-25) *Bilingual (Les Sciences de la terre au service...)* ISSN 0068-7650 ISBN 0-660-5557-3  
MICROLOG 90-01853 1 fiche

During 1988 the Canada Geoscience Council decided to undertake a forward-looking review of the overall function and role of the Geological Survey of Canada (GSC). The study assessed the mandate and mission of the GSC in light of its historical relevance, present realities, and projected future trends in Canadian geoscience endeavour; ascertained which elements of GSC operations constitute core in-house activities essential to its mandate and to its viability as the national geoscientific institution, and produced perspectives on what should be the nature and level of GSC interaction with earth resource industries, the academic community, federal and provincial jurisdictions, the people of Canada and the international community. This report covers the membership and activities of the Committee and gives recommendations.

CA NR PS SC

### East bayfront and port industrial area : environment in transition

see Environment in transition : a report on phase I of an environmental audit of Toronto's east bayfront and port industrial area

### Eastern Parry Channel Ice Regime Program, winter 1988-89 analysis : milestone report no. 5

presented to Executive Services Branch, Marine Group. Ottawa : Canarctic Shipping Company Limited, 1989. 68 p.  
MICROLOG 90-06533 1 fiche

In order for year-round navigation in the Canadian Arctic to be planned and executed, the environmental conditions in Lancaster Sound must be more fully understood. This program is conducting the necessary background research to allow for such year-round navigation. The report compares the ice conditions in November and December 1988 to March 1989 to identify the time when old ice is a hindrance to navigation, using a comprehensive set of SAR imagery of the study area in March 1989. Three repeat coverages of Lancaster Sound and two of Barrow Strait were taken. A summary of the data collection exercise is included, along with the aircraft flight logs.

CA NO PS SC TR

### Les Echanges agricoles du Canada, 1985, 1986 et 1987

par D.L. Aubé. Ottawa : Agriculture Canada, 1988. 117 p. *Bilingue (Canada's trade...)*



CSI 21100.029.

MICROLOG 90-00300 2 fiche

Ce bulletin statistique présente, en plus des chiffres pour 1985, 1986 et 1987, ventilés par pays et par produits, des sommaires historiques des données du commerce agricole extérieur.

AG CA CO EX ST

**L'Eclairage ergonomique**

par I. Stones. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. ii, 18 p. : ill. Bibliogr. L'éd. anglaise (*Lighting ergonomics*) : 90-03617/1.

ISBN 0-660-92732-2

MICROLOG 90-03853 1 fiche

Ce document fait partie d'une série de publications sur l'ergonomie. Il s'agit d'une source d'information à l'intention des comités d'hygiène et de sécurité et d'autres groupes qui cherchent à comprendre les avantages d'un bon éclairage dans le milieu de travail et à atteindre l'effet optimal. Le document examine les sources de lumière; les principaux types d'éclairage artificiel; la lumière et la couleur; les problèmes d'éclairage courants; et la vérification sommaire de l'éclairage.

CA HE LA

**L'Ecole catholique : le défi de son projet éducatif**

Québec : Gouvernement du Québec, Comité catholique, 1989. 45 p. L'éd. anglaise (*The Catholic school...*) : 90-05426/1. ISBN 2-550-14813-4

MICROLOG 90-00142 1 fiche

Rapport faisant état de la situation et des besoins de l'école catholique. Il trace en quelque sorte un portrait du réel tel qu'il lui fut rapporté, afin d'esquisser un profil de l'école catholique dans la société actuelle. De plus, le document rapporte les témoignages qui ont été entendus au sujet de certains facteurs qui influencent la réalisation du projet éducatif, la participation à la vie d'école, les références aux valeurs, les contraintes des encadrements et les défis; décrit cette réalité; montre les différentes pratiques en regard du projet éducatif et les diverses conceptions de l'école catholique; relève certaines ambiguïtés et concepts afin de dégager des composantes essentielles de l'école catholique d'aujourd'hui; et présente l'article 4 de la réglementation du Comité catholique.

ED PR QU

**Ecological engineering for gold and base metal mining operations in the Northwest Territories : final report**

by M. Kalin. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1987. x, 64 p. : ill., maps. (Environmental studies ; no. 59) ISBN 0-662-16847-X

MICROLOG 90-03268 1 fiche

Evaluation of the long term environmental implications of active mining operations in the Northwest Territories to assess waste management strategies which could, at the termination of the mining operations, minimize potential environmental degradation. Field investigations of the Lupin gold mine and the lead zinc concentrator at Nanisivik primarily focused on the environmental conditions which might be encountered in the long term after the shut down of the operations. Emphasis was placed on the search within the waste management areas and at their boundaries to the environment for suitable components of ecosystems which could be utilized in ecological engineering methods and biological polishing processes.

● CA EV NO NR PS SC

**The Ecological meaning of environment-economy integration**

by W.E. Rees. Vancouver, B.C. : University of British Columbia, School of Community and

Regional Planning, 1989. 22 p. Bibliogr. (Discussion paper ; no. 18) ISSN 0828-2439 MICROLOG 90-05494 1 fiche (Available on fiche only)

Paper exploring the ecological and thermodynamic implications of the environment-economy integration required for sustainable development. The premise is that the present environmental conundrum arises in part from a distorted perception of reality, an outdated mechanistic perception of the economy which has only a rudimentary understanding of the dynamics of the environment. The paper explores the cultural roots of reality, the modern myth of the mechanical economy, ecological reality, human carrying capacity, determining the limits of carrying capacity by using environmental assessment, and sustainability in the real world.

BC CO EV PR SC

**Ecological studies on the pomfret *Brama japonica* Hilgendorf, II : a north-south distribution of the pomfret along longitude 175°30'E in late July**

by S. Sasaki, S. Yamamoto and K. Shimazaki. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 18 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5177) Originally published in Japanese, at Hokkaido, Japan. ISSN 0704-3716

MICROLOG 90-00084 1 fiche

Since 1978 experimental fishing operations using surface gillnets have been carried out in the area 38 degrees to 48 degrees north along the longitude 175 degrees 30 minutes east using the training ship Hokusei Maru of Hokkaido University. Pomfret showed a large concentration of biomass during the experimental fishing operations but their detailed group structure has not been established. In particular, due to the use of gillnets, it is unclear whether the concentration of fish caught in the gillnets accurately represents the relative abundance in the fishing grounds. During the summer of 1980, 20 mesh sizes of gillnet were used by the ship and measurements were taken on all pomfret caught in the gillnet with 14 mesh sizes from 42-233 mm. The selectivity of mesh sizes for pomfret was studied, with results reported here.

● CA CF FI LS SC

**Ecology and distribution of the oligochaete *Photomothrix hammoniensis* Mich.**

by A. Grigyalis. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 8 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5156) Originally published in Russian, by the Institute of Zoology and Botany, Academy of Sciences of the Estonian SSR, at Tallin, USSR. ISSN 0704-3716

MICROLOG 90-00097 1 fiche

Paper describing the range and ecology of the Oligochaete *Photomothrix hammoniensis* Mich., covering Europe and the Soviet Union from England to the Volga steppe zone.

● CA CF FI LS SC

**The Ecology of fishes in British Columbia kelp beds, I : Barkley Sound *Nereocystis* beds**

by B.M. Leaman. Victoria : Ministry of Environment, Marine Resources Branch, 1980. vii, 100 p. : ill., maps. Bibliogr. (Fisheries development report ; no. 22) ISSN 0228-5975

MICROLOG 90-04848 2 fiche

Interest in the potential of floating kelp beds in the coastal waters of B.C. for the extraction of phycocolloids and other plant products, or for the production of kelp meal as a dietary

supplement for humans and livestock has stimulated investigation of factors influencing the wise harvest of the plants. Fish species frequenting kelp beds are divided into resident, associated and transient. This project was conducted to examine the fish community of a bull kelp stand in Barkley Sound; to determine the relationships of the species in this community to each other and to the habitat; to examine the effect of experimental canopy removal on the diversity and abundance of the species in this community; and to relate these findings to the management of the kelp resource. The report describes the kelp bed studied, the ecology of the fish community in it, and the results and implications of canopy removal.

BC FI LS PR SC

**An Econometric model of the Edmonton economy -- Rev.**

by J. Huang. Edmonton : Edmonton Planning and Development, Strategic Planning Branch, 1989. 81 p. Bibliogr. (Research paper ; no. 27)

MICROLOG 90-06762 1 fiche

Discusses the structure of the model and the interrelationships among various blocks of the model. It also examines specifications of the equations in each block, the theories behind the specifications, and estimation of the model. Finally it shows simulated results of the model based on different sets of assumptions on world oil prices and other external factors.

AL CO MU

**Econometric models of accident distributions**

by M. Boyer, G. Dionne and C. Vanasse. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 62 p. Bibliogr. (Publication ; no. 672)

MICROLOG 90-03003 1 fiche

This paper deals with the econometrics of car accidents, that is the estimation of the relative importance or significance of the factors explaining the number of accidents in a given period of time on an individual basis. The study uses a data base consisting of the accident record and characteristics of individual drivers. Individual characteristics are considered exogenous or predetermined and may or may not be significant factors in explaining the number of accidents. Four categorical models (linear probability, probit, logit and multinomial logit) and 4 count data models (Poisson and negative binomial models with and without individual characteristics in the regression component) are estimated. The statistical results are then applied to a model of insurance rating in the presence of moral hazard.

PR PS QU SC TR

**Economic and fiscal effects of the GST : a summary**

Ottawa : Dept. of Finance, 1989. 12, 14 p. Bilingual (*Incidences économiques...*). MICROLOG 90-02075 1 fiche

This document explains the Department of Finance's estimates of the economic and provincial revenue impacts of the GST, and provides some comments on possible reasons why the provinces have drawn such different conclusions.

● CA CI CO

**Economic aspects of gold exploration : how much is too much?**

by B.W. Mackenzie and M.D. Doggett. Kingston, Ont. : Queen's University, Centre for Resource Studies, 1989. vi, 26 p. : ill. Bibliogr. (Working paper ; no. 44) ISSN 0226-7616 ISBN 0-88757-100-X

MICROLOG 90-02506 1 fiche (Available on fiche only)



Examination of the premise that gold exploration is economically worthwhile, including the relationship between gold mine production and replenishment through exploration; the potential value of gold exploration, considered in the context of the Canadian experience; an evaluation of trends in the break-even price of gold; and explanations for such economic trends.

• CA NR PS SC

### Economic assessment of National Historic Canals, 1984-85

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03145 1 fiche

The purpose of this report is to evaluate the impact on the Canadian economy of Parks' canal locations. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and examines the contribution of the canal system to the tourism industry.  
CA CO CU

### Economic assessment of proposed revisions to Regulation 308 : synthesis report

VHB Research & Consulting Inc. Toronto : Environment Ontario, Policy and Planning Branch, 1990. xii, 114 p. : ill. Bibliogr. ISBN 0-7729-6533-1  
MICROLOG 90-07011 2 fiche

Since 1971, one of the main statutory means of controlling air pollution in Ontario has been the Environmental Protection Act and the regulations pursuant to the Act, in particular Regulation 308, which specifies the maximum permitted concentration of numerous contaminants at a point of impingement from a source of contamination (other than a motor vehicle). A 1987 discussion paper identified several problems with the regulation, leading to a proposed strengthening of them. A series of consultations and public discussion was held and a number of studies were commissioned for an economic assessment of the proposed revisions. These studies estimated the benefits expected from the revised regulation; the additional costs for abatement, monitoring, administration and the impact of these costs on the provincial economy and the sectors most likely to be adversely affected by the higher costs. This report provides a synthesis of the entire economic assessment.  
EV ON PR SC

### Economic assessment of the Carillon Canal, 1984-85

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03143 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.  
CA CO CU QU

### Economic assessment of the Chambly Canal, 1984-85

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986.

vi, 23 p. : ill.  
MICROLOG 90-03135 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.  
CA CO CU QU

### An Economic assessment of the flood-plain zoning program in the Outaouais Region

by P. Morissette...et al. Sainte-Foy, Que. : Environment Canada, Inland Waters/Lands Directorate, Canada Centre for Inland Waters, 1988. ix, 38 p. : ill. Bibliogr. (Scientific series ; no. 161) French ed. (Evaluation économique...) on the same fiche. ISBN 0-662-16592-6  
MICROLOG 90-06403 2 fiche

As one of the measures available to reduce flood losses, zoning programs enable control over the increase of economic activities in certain areas of flood plains. The purpose of this study is to assess the cost-effectiveness of the flood plain zoning program implemented by the Outaouais Regional Community after designation of its flood zones under the federal-provincial flood risk mapping program.  
CA EV NR SC

### An Economic assessment of the herring purse-seine fleet restructuring plan of 1983 : the ten-year management plan at mid-term

by D.A. MacFarlane. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. vi, 49 p. Bibliogr. (Economic and commercial analysis report ; no. 31) French ed. (Le Plan de restructuration...) : 90-04753/1. ISSN 0843-5626 ISBN 0-662-1243-4  
MICROLOG 90-01593 1 fiche

The herring purse seine fleet is relatively new in Atlantic Canada, having its first commercial spurt as a distinct fishery during World War II. However, it has been subject to recurring boom and crisis brought about the variations in markets, herring stocks and quality. In 1983, the price paid for herring and the allowable catch were such that purse seiners were sustaining losses and the outlook was poor. A 10-year program was undertaken in which each purse seine licence holder was given a quasi-property right in a share of the allowable catch, which could be sold with the seller keeping the monetary reward. The buyer could accumulate extra quota which promised a greater measure of profitability. The fishery of 1988 marked the 5th season of the program. This study was undertaken to appraise the response of the fishery in an atmosphere of limited entry with transferable quotas, to what extent the objectives of the program were being achieved, and to clarify the determinants of the developments in the fleet.

• AP CA CF CO FI SC

### Economic assessment of the Lachine Canal, 1984-85

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03141 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and

discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.  
CA CO CU QU

### Economic assessment of the Rideau Canal, 1984-85

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03140 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.  
CA CO CU ON

### Economic assessment of the Sault Ste. Marie Canal, 1984-85

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03134 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.  
CA CO CU ON

### Economic assessment of the St. Ours Canal, 1984-85

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03137 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.  
CA CO CU QU

### Economic assessment of the St. Peters Canal, 1984-85

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03138 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.  
AP CA CO CU



**Economic assessment of the Ste. Anne Canal, 1984-85**

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03142 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.

CA CO CU QU

**Economic assessment of the Trent-Severn Canal, 1984-85**

Ottawa : Parks Canada, Socio-Economic Branch, Evaluation and Analysis Division, 1986. vi, 23 p. : ill.  
MICROLOG 90-03144 1 fiche

The purpose of this report is to evaluate the impact on the economy of the canal expenditures and visitor spending attributable to the canal facilities. It identifies the expenditures injected into the Canadian economy by both parks and visitors using the canal, and discusses the impact on income in terms of labour income, gross domestic product and total income. It also examines the economic repercussions of the canal on employment, and discusses how the canal affects government revenue.

CA CO CU ON

**Economic consequences of re-opening the herring fishery in the North Sea**

by H. Frost. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5280). Originally published in Danish. ISSN 0704-3716  
MICROLOG 90-02750 1 fiche

Preliminary estimate of the economic consequences of re-opening the herring fishery in the North Sea. The report describes the development in herring landings from the North East Atlantic since 1962 and examines the Danish herring sector to produce an estimate of some of the economic consequences of various quota allocations in the North Sea in this sector. Only the foreword and table of contents is reproduced.

• CA CF FI SC

**Economic Council of Canada : Annual report 1988-89**

Ottawa : The Council, 1989. 21 p. *French ed. on the same fiche.* CSI 22215.003. ISBN 0-662-17185-3  
MICROLOG 90-01656 1 fiche (Available on fiche only)

This annual report reviews the past twenty-five years of the Council, its research activities, and the cost of doing economic research. It includes an auditor's report.

CA CO

**Economic Council of Canada : Annual report 1989-90**

Ottawa : The Council, 1990. 22 p. CSI 22215.003. ISBN 0-662-17972-2  
MICROLOG 90-07029 1 fiche (Available on fiche only)

The Council generates research ideas and policy advice serving to guide governments and policy leaders in making the choices necessary to achieve Canada's social and economic goals.

This annual report covers membership changes, research activities, ongoing research, performance and outlook, competitiveness and international trade, local development, corporate mergers and acquisitions, education, the service economy, immigration and social policy. It includes an auditor's report, a statement of operations, notes to the statement and a list of publications.

CA CO

**Economic Council of Canada : Annual review 1989 : legacies**

Ottawa : The Council, 1989. x, 82 p. : ill. *French ed. (Conseil économique...patrimoine...)* : 90-01312/2. CSI 22215.001. ISSN 0070-8788  
MICROLOG 90-01313 1 fiche

This document discusses Canada and the changing world economy; resolving the fiscal imbalance; the economic situation of today's generation; providing for future generations; and improving the economic legacy. It provides comments and dissent.

CA CO ST

**Economic development and tourism programs : a review and assessment**

RT and Associates. Yellowknife : Legislative Assembly, Special Committee on the Northern Economy, 1989. 62 p. : ill. ISBN 0-7708-5816-3  
MICROLOG 90-01435 1 fiche

The mandate of the Department is to help develop private and publicly sponsored businesses that will create jobs and income for northern residents. This document assesses the effectiveness of the Department's programs.

CO CU NO PR

**The Economic development role of the urban informal sector in developing countries : an inflow outflow analysis**

by E.U. Morah. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1988. 24 p. Bibliogr. (Comparative urban and regional studies ; no. 15) ISSN 0828-2412  
MICROLOG 90-05487 1 fiche (Available on fiche only)

In addition to having argued the rationale of informal sector economics in developing countries, this paper claims to have developed one of the very few comprehensive models on the sector. A classical-input output approach to urban economic development suggested two reasons why an urban community is poor: 1) inadequate inflow of money into the urban community, and 2) too much outflow of money from the urban community. Based upon this approach, this paper makes suggestions as to how the resources of the informal sector in developing countries can be mobilized to increase the inflow of money into an urban community, while simultaneously reducing the outflow of money from it. It illustrates the arguments and suggestions with examples from Nigeria.

BC EX PR SA

**Economic facts : Keewatin region**

Yellowknife : Dept. of Economic Development and Tourism, 1989. 22 p. : ill.  
MICROLOG 90-02617 1 fiche

The Keewatin Region is comprised of seven communities housing over 5000 people. Six of these communities are coastal and one is an inland community. This profile provides an overview of the opportunities and constraints to economic development in the region.

CO NO NP PR

**Economic facts : Kitikmeot region**

Yellowknife : Dept. of Economic Development and Tourism, 1989. 23 p. : ill.  
MICROLOG 90-02616 1 fiche

The Kitikmeot Region is the most isolated region in the Northwest Territories and is comprised of eight communities with a total population of 3,750 people. This profile provides an overview of the opportunities and constraints to economic development in the region.

CO NO NP PR

**Economic impact analysis of the Salmonid Enhancement Program**

Marvin Shaffer and Associates. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. iii, 142 p. (Economic and commercial analysis report ; no. 44) ISSN 0843-5626 ISBN 0-662-17465-8  
MICROLOG 90-03151 2 fiche

The salmonid enhancement program (SEP) was established in 1977 by the federal and provincial governments to double the population of salmonids in B.C. waters. Today, enhancement activities make a significant contribution to Canada's annual catch of Pacific salmonids. Income, employment, and government revenues are generated as a result of both SEP expenditures and the incremental spending from the commercial, Native, and recreational fishing associated with the harvest of enhanced production. This report estimates the magnitude and significance of the economic impacts generated from SEP funding.

• BC CA CF FI SC

**The Economic impact of Expo 86**

by R.A. Hatten. Victoria : Ministry of Finance and Corporate Relations, 1987. 10 p.  
MICROLOG 90-02327 1 fiche

Analyzes the increase in provincial GDP in 1986 as a result of the operating phase of the fair. The document also presents a further analysis using regional tax, retail sales and employment data in answer to concerns about the concentration of economic benefits from Expo 86 in the lower mainland region.

BC CO PR

**The Economic impact of the Winnipeg International Airport**

by D.N. Futz, B.E. Prentice and S. Yeow. Ottawa : Transport Canada, Airports Authority Group, 1989. vii, 108 p. : ill. Bibliogr.  
MICROLOG 90-03416 2 fiche

Describes the survey data and interprets the results. The results are compared, where appropriate, with regional and provincial economic statistics. It also describes and identifies the social impacts of the Winnipeg Airport, and reviews the official Transport Canada forecasts of passenger traffic. It discusses emerging trends and the future role of the Airport, and presents a forecast of economic activity to the year 2000.

• CA TR

**Economic impact study : rooming house accommodation : downtown Vancouver, south side and east side**

Burgess, Austin & Associates. Vancouver, B.C. : Vancouver Planning Dept., 1989. 34 p.  
MICROLOG 90-03988 1 fiche

Reviews the existing inventory of low-cost accommodation in the study area. It addresses the following issues: the impact on these areas of development in Coal Harbour, False Creek North, False Creek East and Downtown South; future trends with regards to demand for low-cost housing, economic factors influencing owners' investment decisions; possible loss of gain in the number of units; the influence of



provincial government's funding programme; and the particular impact on Downtown East Side from major developments in either Downtown South or other large redevelopment projects. BC CO MU SA

**Economic management of fish plants : an investigation on the use and advantage of various management tools**

by B.A. Bertheussen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 6 p. (Canadian translation of fisheries and aquatic sciences ; no. 5130) *Originally published in Norwegian.* ISSN 0704-3716 MICROLOG 90-00132 1 fiche

Evaluation of the degree to which fish plants (freezing plants and conventional enterprises) can take advantage of profit and loss accounts, cost estimates, budgets and long-term plans to improve the economic management of the enterprise. The work is based on data collected from 68 northern Norwegian fish plants of different types, sizes, and locations. This document includes only the table of contents, titles and captions, a summary, and conclusions.

• CA CF CO FI SC

**Economic overview of the fishing industry in Atlantic Canada**

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. 16 p. (Economic and commercial analysis report ; no. 5) ISSN 0843-5626 ISBN 0-662-16825-9 MICROLOG 90-02850 1 fiche

Report on the importance of the fishing industry to Atlantic Canada, covering its growth since 1977 in number of fishermen, size of fishing incomes, fleet size, and composition of the processing industry. The current situation is reviewed, along with an overview of the market. An assessment of market prospects by species is also included.

• AP CA CF CO FI SC

**Economic policy : adviser organizations**

by T.J. Thomas. Ottawa : Library of Parliament, Research Branch, 1989. 18 p. : ill. (Background ; BP-207E) ISBN 0-660-13312-1 MICROLOG 90-01903 1 fiche

This paper describes the most important advisers on economic policy in Canada. These are not specific individuals (for example, the current Minister of Finance), but rather departments, agencies, committees and other groups that make or influence economic policy or provide information and analysis of use to policymakers. The emphasis is on groups concerned with macroeconomic policy or general issues of expenditure or regulation, particularly those who are often in the news or who are known to provide information to government. CA CI CO

**Economic policy-making in the Asia-Pacific region**

edited by John W. Langford and K. Lorne Brownsey. Halifax : Institute for Research on Public Policy, 1990. xiii, 342 p. Bibliogr. *Papers prepared for a workshop series on the Changing Shape of Government in the Asia-Pacific Region.* ISBN 0-88645-104-3 MICROLOG 90-05204 4 fiche

These series of workshop papers are the second volume to be released by the Institute. The first was held in Victoria, 1987. This second one was co-hosted with the Thailand Development Research Institute (TDRC). A third one is scheduled for May 1990 in Kuala Lumpur. The workshop series is intended to

link senior public policy researchers and practitioners from around the region. Papers presented address economic policy-making in Australia, Canada, New Zealand, the Philippines, Japan, Thailand, South Korea, China, Hong Kong, Malaysia, Singapore, and Indonesia. • CA CO EX

**Economic potential of base metal and gold mining in Newfoundland : assessing the impact of regional development policy options**

by B. Mackenzie, M. Bilodeau and M.D. Doggett. Kingston, Ont. : Queen's University, Centre for Resource Studies, 1989. xiii, 188 p. : ill. Bibliogr. (Technical paper ; no. 10) ISSN 0821-0675 ISBN 0-88757-098-4 MICROLOG 90-04190 3 fiche (Available on fiche only)

The assessment of base metal and gold supply are based on the years 1946-85, subdivided into decades to examine time trends. Money values are expressed in constant 1987 Canadian dollars. Appraisals are made on a potential value, before-tax basis, including all direct costs and revenues associated with exploration and development, then on an after-tax basis considering the application of federal and Newfoundland income and mining taxation systems to the overall potential values. The level and components of mining taxation are compared to other provinces and territories and base metal and gold activities are compared to those in Canada and in the Appalachian Region. The capability developed to assess the economic potential in Newfoundland is applied to evaluate and compare the impact of regional development policy options, including geologic data base development, direct assistance for mineral exploration, support for new mine development, production stage incentives, and assistance for mines faced with temporary or permanent closure.

• AP CA CO NR PR SC

**Economic profile : Restigouche Region, 1989**

Campbellton, N.B. : Restigouche Industrial Commission Inc., 1989. 17, 17 p. : maps. Bilingual (Profil économique : région...). MICROLOG 90-00263 1 fiche

The profile covers natural resources, climate, population, labour force, wages, education, energy, telephone and telecommunication, financial services, communication media, property tax, industrial infrastructures, and tourism.

AP CO PA PR

**Economic profile of the organic chemical manufacturing sector : summary report**

Toronto : Environment Ontario, Policy and Planning Branch, Socio-Economic Section, 1989. v, 35 p. : ill. Bibliogr. ISBN 0-7729-5124-1 MICROLOG 90-01195 1 fiche

The organic chemical manufacturing sector consists of firms involved in the manufacture and/or processing of petrochemicals, organic and specialty chemicals, and finished products. Most organic chemical products are derived from crude oil and natural gas, with a small proportion derived from animal fats, vegetable oils and other natural materials. About 70 firms operate 150 chemical production plants in Canada, of which about 60 plants or 40% are located in Ontario. Nineteen of these plants, owned by 17 firms (prior to the Nova purchase of Polysar) are direct effluent dischargers subject to the Municipal/Industrial Strategy of Abatement (MISA) regulations. This report summarizes the key features of the sector in Canada and in Ontario; provides background information on the financial and physical dimensions of the sector and of the

key firms within the sector; assesses its competitiveness in global and domestic contexts; and identifies and assesses factors which may have a bearing on the future outlook and long-term viability of the sector. EV ON PR PS SC

**Economic review, 1989**

Regina : Bureau of Statistics, 1989. 48 p. : ill. CSI 72150 002 MICROLOG 90-01668 1 fiche

This review presents economic indicators for the province, statistical tables and charts, and economic accounts. CO MS PR ST

**Economic situation as of December 31, 1989**

Saskatoon (Sask.). Economic Development Dept. Saskatoon, Sask. : The Dept., 1990. 42 p. : ill. Bibliogr. CSI 89300 002 MICROLOG 90-06555 1 fiche

The report presents economic indicators of performance for 1989 and outlook for 1990 for agriculture; construction, major projects planned and underway, retail trade, mining and mineral production, employment, business development and manufacturing; population and the city's financial viability. Includes a review of major indicators for 1979-1989. CO MS MU ST

**Economic situation as of June 30, 1989**

Saskatoon (Sask.). Economic Development Dept. Saskatoon, Sask. : The Dept., 1989. 27 p. : ill. CSI 89300 002 MICROLOG 90-00717 1 fiche

This publication contains a summary of the economic situation and focuses on economic activity in agriculture, construction, new technology, manufacturing and trade, and resource development. It also presents data on population and employment. CO MS MU ST

**Economic trends : 1988 mid year review**

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1988. 9 p. : ill. CSI 61104 005 MICROLOG 90-02148 1 fiche

Provides a general overview of the economic situation in Canada and more detailed examination of Prince Edward Island based on preliminary information for 1988. The detailed examination includes the labour market, consumer prices, incomes, expenditures, agriculture, fishing, manufacturing, summary and conclusion. AP CO PR ST

**Economic trends : 1989 mid year review**

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1989. 10 p. : ill. CSI 61104 005 MICROLOG 90-04301 1 fiche

Provides a general overview of the economic situation in Canada in the first half of 1989, and a more detailed examination of Prince Edward Island based on preliminary information for 1989. AP CO PR ST

**Economic trends : the application of multipliers in analyzing the Prince Edward Island economy**

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1989. 18 p. (Economic trends ; 39) MICROLOG 90-00942 1 fiche

This issue provides a broad understanding of the concept of economic impact multipliers, and reviews the various approaches and uses of some of the available estimates of multipliers for the province. It also discusses the general



concept of the circular flow of income and the impact multiplier, and examines the concept of the impact multiplier in the context of the macroeconomic model for a provincial or national economy. In addition, it reviews input-output analysis which examines an economy at a disaggregated industry level, and discusses the limitations of multiplier analysis.  
AP CO PR

### Economics and people : choices

Victoria : Ministry of Advanced Education and Job Training, 1988. xii, 55 p. : ill. (Adult basic education intermediate social studies) ISSN 0840-4224 ISBN 0-7718-8659-4 MICROLOG 90-03215 1 fiche

This social studies material is designed to support the current programs and instructors teaching this subject, and to encourage the incorporation of social studies into other programs, especially in colleges where it is not taught as a separate subject. It examines basic ideas in economics, economics in people's lives, and different economies.  
BC CO PR

### Economics of beef feedlot production

by J. Fisher. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. ii, 9 p. Bibliogr. (Economics information report ; no. 89-10) ISSN 0708-482X ISBN 0-7729-5828-9 MICROLOG 90-01165 1 fiche

Focuses on revenues, feed costs, interest on operating capital, other cash expenses, term interest, depreciation, and net enterprise income.  
AG CO ON PR

### Economics of cow-calf production, Ontario, 1987

by J. Fisher. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. ii, 9 p. Bibliogr. (Economics information report ; no. 89-09) ISSN 0708-482X ISBN 0-7729-5827-0 MICROLOG 90-01166 1 fiche

This document presents information on revenues, feed costs, interest on operating capital, other cash expenses, term interest, depreciation, and net enterprise income.  
AG CO ON PR

### The Economics of production and marketing of greenhouse crops in Alberta, 1988-89

by G.N. Chaudhary. Edmonton : Alberta Agriculture, Economic Services Division, Production Economics Branch, 1990. vii, 63 p. CSI 34101.022. MICROLOG 90-03737 1 fiche

Examination of the level of investment and production costs and returns for Alberta greenhouses by region, size, and crop. The report updates information contained in previous studies of 1978, 1979, 1982, 1983, 1987 and 1988, and reports on producer concerns. A questionnaire was sent to a selected sample of greenhouse operators across the province and 22 operators were interviewed to obtain production costs and returns information for the 1988-89 crop year. Each greenhouse operation was analyzed separately. The study was divided into 2 geographical groups, 3 size groups, and crop groups of cucumbers, tomatoes, bedding plants and combination crops.  
AG AL PR SC ST

### Economics of sheep production, Ontario, 1987

by J. Fisher. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. ii, 9 p. Bibliogr. (Economics information report ; no. 89-11) ISSN 0708-482X ISBN 0-7729-5826-2 MICROLOG 90-01167 1 fiche

Analyzes revenues, feed costs, interest on operating capital, other cash expenses, term interest, depreciation, and net enterprise income.  
AG CO ON PR

### L'Économie au Nouveau-Brunswick : rapport à l'Assemblée législative, 1990

Fredericton : Ministère des Finances, Agence de la statistique du Nouveau-Brunswick, 1990. 88 p. : ill. L'éd. anglaise (*The New Brunswick economy...*) : 90-03592/1. CSI 46111.002F. ISSN 0383-3208 MICROLOG 90-03591 2 fiche

Document fournissant des renseignements sur l'économie canadienne, l'économie internationale ainsi que celle du Nouveau-Brunswick (revue et perspectives pour 1989); les secteurs d'activité (agriculture, pêches, industrie forestière, fabrication, mines, construction et services); et, les tableaux statistiques.  
AP CO PR ST

### L'Économie du Canada

par R. Dehem. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 21, 19 p. Bibliogr. (Guides pédagogiques des études canadiennes) Bilingue (*Canadian economics*). ISBN 0-662-56135-X MICROLOG 90-01560 1 fiche

Ce guide porte sur l'économie du Canada et fait partie d'une collection de sept ouvrages. Il comporte un exposé préliminaire, une liste des ouvrages essentiels et des lectures complémentaires ainsi que des listes des ouvrages de référence, instruments de recherche, revues, microformes, documents audiovisuels et sources informatisées.  
CA CO

### L'Économie du Québec : direction de la planification, de l'analyse et de l'évaluation, 1988-89

Ottawa : Industrie, sciences et technologie Canada, 1989. viii, 252 p. : ill., cartes géogr. Bilingue (*The Quebec economy...*) : 90-00826/3. CSI 21149.004F. ISBN 0-662-95490-4 MICROLOG 90-00827 3 fiche

Le document trace un portrait de l'évolution récente de l'économie et de la base industrielle québécoise, sur une toile de fond nationale et internationale. La situation de l'économie de chaque région de la province y est également passée en revue, en accordant une attention particulière aux principales collectivités qui les composent. 'L'économie du Québec 1988' propose de plus des analyses structurelles sur les sujets suivants, soit: la recherche-développement industrielle au Québec, la diffusion de technologies du Québec et l'industrie des pâtes et papiers.  
CO PR QU ST

### Les Economies d'énergie dans l'habitation existante : la ventilation

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1985. 24 p. : ill. ISBN 2-550-11745-X MICROLOG 90-04041 1 fiche

Il y a quelques années lorsque les maisons étaient mal isolées, mal cafeutrées, le problème de la ventilation ne se posait pas. Celle-ci se faisait naturellement, l'air s'échappant par les portes, les fenêtres, au travers du toit et des murs, entraînant avec lui l'humidité de la maison. Ces problèmes d'humidité et de pollution peuvent se résoudre de diverses façons. On le découvre en parcourant cette brochure. Les conseils qu'on y trouve aident et permettent de déterminer le genre de ventilation qui convient le mieux à vos besoins.  
PL PR QU SC

### Les Economies d'énergie dans l'habitation existante : le chauffage -- Rev.

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1989. 32 p. : ill. ISBN 2-550-20209-0 MICROLOG 90-04038 1 fiche

A-t-on vraiment avantage à convertir son système de chauffage? Est-il plutôt préférable d'améliorer le rendement de son système? On trouve dans ce document une méthode qui permet d'établir quelle est la rentabilité d'une conversion ou d'une amélioration du système de chauffage, mais aussi des renseignements sur les systèmes centraux de distribution de la chaleur, les améliorations possibles aux systèmes existants; les différentes sources d'énergie et les appareils de chauffage qui les utilisent; la bi-énergie; les services d'entretien qui sont offerts, et le chauffage de l'eau domestique.  
PL PR QU SC

### Les Economies d'énergie dans l'habitation existante : les entretoits

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1985. 28 p. : ill. ISBN 2-550-11790-5 MICROLOG 90-04040 1 fiche

Autant il peut être simple et rentable à court terme d'isoler certains types de toit, autant il peut être complexe et coûteux d'en isoler d'autres. L'isolation de certains types de toit ne devient rentable que si elle est faite à l'occasion d'une réfection de la toiture. On trouve dans cette brochure les renseignements qui permettent de procéder à l'isolation de l'entretoit des maisons, quel que soit le type de toiture.  
PL PR QU SC

### Les Economies d'énergie dans l'habitation existante : les fondations

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1985. 24 p. : ill. ISBN 2-550-11676-3 MICROLOG 90-04039 1 fiche

Comment peut-on isoler un sous-sol? Il serait plus juste de se demander comment isoler une maison au niveau des fondations puisque toutes les maisons ne comportent pas ce qu'on désigne couramment comme étant un sous-sol. Certaines maisons n'ont qu'un vide sanitaire, d'autres une simple dalle posée sur le sol. Cette brochure présente les différentes méthodes d'isolation qui s'appliquent: aux murs de fondation en béton (béton coulé ou blocs de béton); aux murs de fondation en pierres; et aux murs de fondation en bois traité.  
PL PR QU SC

### Les Economies d'énergie dans l'habitation existante : les murs

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1985. 23 p. : ill. ISBN 2-550-11744-1 MICROLOG 90-04037 1 fiche

Malgré l'importance relative des pertes de chaleur à travers les murs d'une maison, il n'est pas conseillé de commencer les travaux d'amélioration énergétique par l'isolation des murs. Lors d'importants travaux de rénovation, l'isolation des murs est fortement recommandable et rentable. On trouve dans cette brochure tous les renseignements qui permettent d'améliorer le rendement énergétique des murs, qu'ils soient à ossature de bois légère, en madriers ou en maçonnerie.  
PL PR QU SC



### Les Economies d'énergie dans l'habitation existante : les portes et les fenêtres : l'étanchéité

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1985. 24 p. : ill. ISBN 2-550-11916-9

MICROLOG 90-04042 1 fiche

Dans une maison moyennement isolée, les pertes de chaleur dues aux fuites d'air peuvent représenter jusqu'à 40% des pertes totales, 25% sont causées par les fuites d'air proprement dites, principalement au niveau des ouvertures et des fentes, et 15% par la faiblesse thermique des matériaux composant les portes et les fenêtres. Or, ces pertes de chaleur sont celles qui se corrigent le plus facilement. D'une part les fuites d'air se colmatent aisément par le calfeutrage et la pose de coupe-froid, d'autres part la résistance thermique des matériaux peut être améliorée. Ces travaux sont très rentables compte tenu des économies qui en résultent. On trouve dans cette brochure des conseils et des techniques permettant de les réaliser.

PL PR QU SC

### The Economy, 1990

St. John's : Cabinet Secretariat, Economic Research and Analysis Division, 1990. xvi, 106 p. : ill., maps. CSI 48106.005

MICROLOG 90-04840 2 fiche

This document reviews the performance of the Newfoundland and Labrador economy in 1989 and assesses the outlook for 1990. Provides data on main economic indicators and details for agriculture, mining, forestry, fishery, offshore oil and gas exploration and development, selected manufactured products, construction, electric power, tourism, real estate, transportation and employment and the labour force. Includes diagrams, maps and tables detailing the economy of Newfoundland and Labrador.

AP CO PR ST

### Ecophysiological studies on the acid tolerance of *Gammarus fossarum* (KÖCH)

by W. Meinel, U. Matthias and S. Zimmermann. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 33 p. (Canadian translation of fisheries and aquatic sciences ; no. 5219) Originally published in German, by E. Schweizerbart'sche Verlagsbuchhandlung at Stuttgart, Federal Republic of Germany

ISSN 0704-3716

MICROLOG 90-02690 1 fiche

The acidification of surface waters has become a problem of worldwide proportion. The introduction of acid from precipitation has a particularly significant effect in weakly buffered waters and results in a drastic reduction of the aquatic biocenosis. Gammarids, which are normally present in great quantity in the German highland streams and which occupy a key position in the ecology as destroyers of fallen leaves and as a basic source of food for many species of fish, exhibit particularly high sensitivity to pH levels. This study tests the influence of various ions (Na, K, Ca<sup>2+</sup>, Mg<sup>2+</sup> plus and Cl minus) on the survival rate of *Gammarus fossarum* in various pH ranges. The animals were removed from their natural habitat and kept in the laboratory in water from their native stream, whose ionic composition was variously modified by adding salt, as well as in synthetically produced salt solutions.

• CA CF FI LS SC

### Ecotoxicity : responsibilities and opportunities

by R.H. Hall and D.A. Chant. Ottawa : Canadian Environmental Advisory Council, 1979. vi, 32 p. Bibliogr. (Report ; no. 8)

ISBN 0-662-10737-3

MICROLOG 90-02432 1 fiche

One of the most daunting environmental problems of our time arises from the flood of man-made chemicals pervading our lives. This report identifies the main issues, illustrates the extent of our ignorance, discusses the inadequacy of our facilities to train the specialists required, and sets out courses of action and responsibilities.

CA EV SC

### Les Ecouteurs radio en milieu de travail

par G.T. Spencer. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 5 p. Bibliogr. ISBN 0-660-92679-2

MICROLOG 90-02165 1 fiche

Les écouteurs radio dont le volume est élevé masquent certains sons. Le fait de porter un écouteur radio empêche le travailleur d'entendre des sons importants comme les messages, les avertissements, les bruits critiques des appareils et les sirènes. Si on est incapable d'entendre ces avertissements, on est plus sujet à avoir un accident. Ce document se penche sur les risques que comportent les écouteurs radio pour la sécurité.

• CA HE LA

### Edaphic and bathymetric segregation of the spider crab *Chionoecetes opilio* (O. Fabr.) in the southwestern Gulf of St. Lawrence

by F. Coulombe...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 28 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5182) Originally published in French. ISSN 0704-3716

MICROLOG 90-00066 1 fiche

Description of a population of *Chionoecetes opilio*, studied during the summers of 1980 and 1981 in the southwestern Gulf of St. Lawrence, at the entrance of the Bay of Chaleur, and the Gaspé Bay. Sampling was conducted with beam trawls and baited traps at depths ranging from 45-125 m. Crab shell width of both sexes was measured and physiological maturity determined according to a biometrical index.

• CA CF FI LS SC

### Edmonton Brokerage Demonstration Project : final evaluation report

by the City of Edmonton Transportation Dept., Louis G. Grimbé Professional Engineer Ltd., in association with Manop Services Ltd. ; prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada. Edmonton : The Dept., 1987. xiii, 85 p. : ill.

MICROLOG 90-01811 2 fiche

This project was undertaken to evaluate the effectiveness of a brokerage management concept in a paratransit operation and to demonstrate the application of an off-the-shelf computerized scheduling aid and management assistance program. The report evaluates the performance of the project and the cost effectiveness achieved in 2 years of operation. The computer-aided scheduling and management assistance program is described and evaluated for its contribution to the management of the system. The experience gained in introducing and operating such a system is described, including dealing with the taxi industry, contracting to independent owner-operators, and optimizing the partnership between the private and public sectors in providing paratransit services.

AL MU SC TR

### Edmonton demographic indicators, 1988

Edmonton : Edmonton Planning and Development, 1989. 138 p. : maps. Bibliogr. CSI 89453.006

MICROLOG 90-00508 2 fiche

The report provides a picture of the Edmonton population, mostly for the period around the Civic Census of Spring 1987. It focuses on trends in Edmonton demography and the distribution of special populations.

AL MU SA ST

### Edmonton economic report, 1988

Edmonton : Economic Development Authority, 1989. 24 p. : ill., maps. CSI 89449.001

MICROLOG 90-02571 1 fiche

Because of Edmonton's location, it has many advantages as a major corporate, manufacturing, transportation, and distribution hub for northern and western Canada as well as the northwestern United States. This economic report covers natural resources, industry, retail trade, construction, the corporate sector, population, the labour force, transportation, government, and quality of life. It includes a corporate directory.

AL CO MU PA PR ST

### Edmonton Metropolitan Regional Planning Commission : Annual report 1988-89

Edmonton : The Commission, 1989. 31 p. : ill. CSI 89450.001

MICROLOG 90-00678 1 fiche

Annual report of the Commission, presenting an overview of the year's activities in solid waste management, the planning of Big Lake, and the conducting of the annual Winter Seminar. More detailed information is given for membership, the executive and planning committees, and strategic and general planning branches. A list of subdivision applications and decisions, and those approved, is also included, as well as financial data.

AL MU PL ST

### Edmonton Metropolitan Regional Planning Commission : Annual report 1989-90

Edmonton : The Commission, 1990. 32 p. CSI 89450.001

MICROLOG 90-06177 1 fiche

The main functions of the Commission are to administer regional planning, and to supervise municipalities on planning and annexation matters. This paper presents reports from the Commission's various branches as well as tables on subdivision applications and parcels approval.

AL MU PA PL ST

### Edmonton seniors 2000 : strategies for the future

Alberta. Interdepartmental/Citizen Committee to Review Municipal Services for Older People. Edmonton : The City, 1989. 54 p. Bibliogr. Executive summary (12 p.) laid in

MICROLOG 90-00461 1 fiche

The City of Edmonton is expected to have about 70,000 people over the age of 65 by the turn of the century. This document presents a philosophy for the City with respect to services for older people and develops a coordinated approach to meet the service needs of this growing portion of the population. It includes a discussion of wellness, preventive services, and facilitative services.

AL CI PR SA

### Edmonton (Alta.) : Financial statements and reports 1988

Edmonton : The City, 1989. 143 p. : ill. CSI 89452.002

MICROLOG 90-00749 2 fiche



Contains a financial synopsis; combined financial statements; combined utilities financial statements; schedules, analyses and statistics; and a statement of financial position.  
AL CO MU PA

### Educación general, educación especializada y ocupación en Colombia

by M.E. Bernal and C.G. Molina. Ottawa : Centro internacional de investigaciones para el desarrollo, 1990. 53 p. Bibliogr. (Informe ; 255s) ISSN 0120-1689  
MICROLOG 90-06132 1 fiche (Available on fiche only)

Abstract unavailable for this document.  
CA ED EX

### Education and training in the Third World

by W. Nicholaichuk. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 6 p. Bibliogr. (NHRI contribution ; no. 88004) Prepared for the 6th IWRA World Congress on Water Resources. ISSN 0838-1992  
MICROLOG 90-06479 1 fiche

Canada provides technical assistance to developing countries through agencies such as the Canadian International Development Agency and the International Development Research Corporation. Much of the assistance is directed to training and education. Based on experiences in India, Sri Lanka, and Brazil, some aspects of training have been very positive. However, there is an ongoing need to examine the process to ensure that benefits are being optimized. This paper will review aspects of the training and education associated with these projects and discuss opportunities for improvement.  
CA ED EX

### Education de l'enfance en difficulté au Manitoba : lignes directrices concernant les élèves qui ont des besoins spéciaux dans les écoles publiques

Winnipeg : Education et formation professionnelle Manitoba, 1989. 20, 19 p. *Bilingue (Special education...)*.  
MICROLOG 90-00187 1 fiche

Ce document fait état des lignes directrices régissant au Manitoba l'enseignement de programmes et la prestation de services à l'intention de l'enfance en difficulté. Ces lignes directrices abordent les points suivants: les programmes d'éducation et les méthodes de placement à l'intention des élèves qui doivent suivre un programme adapté à leurs besoins particuliers; un processus de planification de l'éducation de l'enfance en difficulté; les parents qui doivent prendre des décisions concernant le placement et les programmes des enfants ayant des besoins spéciaux; et le mécanisme d'appel qui permet de trancher les litiges concernant les élèves ayant des besoins spéciaux.  
ED MS PR SA

### Education funding in Ontario

Toronto : Association of Municipalities of Ontario, 1988. 36 p. (AMO report : report series 1988 : 88-1)  
MICROLOG 90-00849 1 fiche (Available on fiche only)

The paper presents the Association's recommendations on various education finance options in the province. It also presents a brief description of the different methods of education finance in all of the provinces in Canada as well as a summary of the historical patterns of education finance in Ontario. Finally, it covers the current system of education finance in Ontario.  
ED MU ON

### Education in Alberta : facts and figures, 1989

Edmonton : Alberta Education, 1989. xiv, 100 p. : ill. *CSI 34106.009*. ISBN 0-7732-0293-5  
MICROLOG 90-04458 2 fiche

In this publication, information is presented on key educational indicators: students, teachers, and finance. Where data is available, information for the 1988-89 school year is presented together with references to historic and projected data. It includes a glossary of terms.  
AL ED PR ST

### Education statistics

Newfoundland. Dept. of Education. Division of Evaluation and Research. Research and Statistics Section. St. John's : The Division, 1989. x, 88 p. : ill. *CSI 48104.003*.  
MICROLOG 90-00520 2 fiche

Presents statistics on enrolment, achievement, teachers, and school boards.  
AP ED PR ST

### Educational quality indicators : annotated bibliography -- 2d ed.

Edmonton : Alberta Education, Planning and Policy Secretariat ; Alberta Education, Library Services, 1990. vi, 107 p. Bibliogr. ISBN 0-7732-0299-4  
MICROLOG 90-03575 2 fiche

This second edition of the annotated bibliography contains approximately 230 citations of which 40 percent have been added since the first edition. It provides an author/institution index. Three appendices identify additional resource materials. Appendix 1 documents educational reform in Canada. Appendix 2 cites annual sources of education statistics in Canada. Appendix 3 contains selected methodological resource books and articles.  
AL ED PR

### Educator's guide to teaching in the Asia Pacific Region

written, edited and prepared by G.T. Publishing Services Ltd. Victoria : Ministry of Advanced Education, Training and Technology, 1990. v, 107 p. Bibliogr. ISBN 0-7718-8915-1  
MICROLOG 90-06020 2 fiche

This guide raises the question of making the decision to work overseas, and discusses employment opportunities. It also includes practical information regarding preparations for moving. In addition, it lists some of the common characteristics of tropical countries that should be kept in mind before, as well as after, relocation. Finally it provides a close-up look at some of the unique characteristics of 12 Pacific Rim countries.  
BC ED EX PR

### Effect of copper additions on sinterability of hypereutectic Al-Si powder metallurgy alloys

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1974. i, 18 p. : ill. Bibliogr. (Report ; PM-R 74-4)  
MICROLOG 90-04661 1 fiche

Investigation to determine the effect of 1%-5% copper powder and 12% aluminum powder additions (by blending) on the sinterability of Al-35% Si and Al-40% Si pre-alloyed atomized powders. The powders were mixed by either blending in a twin-shelled blender or a Waring Blender or grinding in an attritor. To assess the degree of sintering, the tensile strength, density and electrical resistivity of sintered specimens were determined and the relationship between electrical resistivity and tensile strength as well as density for hypereutectic Al-Si alloys

was examined.

• CA CM NR PS SC

### The Effect of Cr, Co, and Sr additions on the ductility of hypereutectic Al-Si powder metallurgy alloys

by H.M. Skelly and C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1973. 8 p. Bibliogr. (Report ; PM-R 73-14)  
MICROLOG 90-04663 1 fiche

Hypereutectic Al-Si alloys with a refined primary silicon phase and containing up to 45% Si were produced using P/M techniques. These alloys have good machinability, good wear resistance, low coefficient of thermal expansion, and their tensile strength is comparable to Al-Si cast material. However, their elongation, 2%-3%, although better than that of the cast material, is still low and additions of Cu and Mg tend to reduce the ductility of these alloys. In this investigation, the effect of additions of 0.2%, 0.5% and 1.0% Cr, Co, and Sr on the ductility of an Al-35% Si P/M alloy is examined.  
• CA CM NR PS SC

### The Effect of dispersant and stabilizer type and amount on the atomization of coal-water fuel

by N. Stover. Dartmouth, N.S. : Nova Scotia Research Foundation Corporation, 1989. vii, 66 p. : ill. Bibliogr. *CANMET contract: 79183-01-SQ*  
MICROLOG 90-05650 1 fiche

The Cape Breton Development Corp. has chosen to market some of its coal as coal-water fuel (CWF). The proper formulation of CWF requires the addition of a dispersant to allow the hydrophobic coal surface to be wetted and a stabilizer that prevents the settling of the coal. Besides affecting the economics of the CWF production, these chemicals affect the CWF atomization properties. This report presents the results of a project to examine the effect of the dispersant and stabilizer type and amount on the CWF atomization. A single CWF atomizer design was used to atomize the CWF with a constant coal feed stock and coal particle size distribution.  
• AP CA CM EN PS SC

### The Effect of end-result specifications on bridge deck waterproofing in Ontario

by R.C. Evers and D.F. Lynch. Toronto : Ministry of Transportation, Engineering Materials Office, 1990. 25 p. : ill. Bibliogr. (Report ; EM-95) ISBN 0-7729-7197-8  
MICROLOG 90-05016 1 fiche

The use of a form-in-place membrane of hot-poured rubberized asphalt has been the almost exclusive method of bridge deck waterproofing in Ontario since 1972. Poor workmanship and inspection resulted in several sub-standard waterproofing projects, leading to the introduction in 1983 of an interim acceptance plan for membrane thickness based on random sampling of lots and sub-lots. The data gathered under the interim acceptance plan was analyzed and used to develop a full statistical end-result specification (ERS) for membrane thickness. This ERS was implemented in 1986 and in 1987 a material quality component was added. This paper presents data which demonstrates the impact of ERS on membrane thickness from 1983, and on membrane quality from 1986 to the end of the 1989 construction season.  
ON PR PS SC TR

### The Effect of environmental variables on the population dynamics of sea lamprey *Petromyzon marinus*

by R.J. Young...et al. Sault Ste. Marie, Ont. :



Dept. of Fisheries and Oceans, Great Lakes Laboratory for Fisheries and Aquatic Sciences, 1990. v, 33 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1736) ISSN 0706-6457 MICROLOG 90-06981 1 fiche

Reports of significant mortality to native fish stocks induced by parasitic sea lamprey in the St. Lawrence Great Lakes have appeared since the 1940s. This study was conducted to add to the knowledge of sea lamprey life history by quantitatively assessing some of the poorly documented relationships. It was assumed that the variation in physical/chemical environmental factors would affect sea lamprey throughout the Great Lakes basin in a similar manner. In that context, the relationship between physical/chemical factors and ammocoete presence/absence in streams, ammocoete relative abundance, ammocoete growth, and spawning run abundance was examined. In addition, changes in spawning lamprey size and sex ratio in relation to lamprey abundance was examined.

• CA CF FI LS ON SC

### The Effect of free fatty acids upon the mouse tests of diarrhetic shellfish poisons and the determination of the poison components

by A. Kogawa...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 20 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5485) Originally published in Japanese, by the Aomori Prefectural Institute of Public Health in Japan. ISSN 0704-3716 MICROLOG 90-01681 1 fiche

In the diarrhetic shellfish poison examinations based on the official method, the free fatty acids (FFA) present in the mudgut gland of scallops exhibit the same mouse toxicity as the shellfish poison. This may therefore become a factor of error in measurements at the low virulence period. Virulences were measured by the official method and by the liquid-liquid partition method. While evaluating the effect of the FFA, the concentration of FFA was measured as well as those of okadaic acid and of diisophystoxin -1 and -3, which are the poison components. This report presents the results of the experiment.

• CA CF FI LS SC

### The Effect of high-frequency ground motion on the Maple-X10 reactor

by S. Bhan and S. Dunbar. Ottawa : Atomic Energy Control Board, 1989. iii, 58 p. : ill. Bibliogr. (Research report ; INFO-0335) MICROLOG 90-04394 1 fiche

Atomic Energy of Canada Ltd. is planning to build the Maple-X10 research reactor at Chalk River, Ontario. The seismic design of the reactor is based on CSA Standard CAN3-N298.3-M81. The design response spectrum in the CSA standard is based on accelerometer records from western North America. However, recent observations suggest that accelerograms in eastern North America exhibit significantly higher frequencies than those in western North America. This report examines the effect of high-frequency ground motion on structures and equipment in nuclear reactors by subjecting simple linear models to selected recorded ground motions which exhibit low and high frequencies. Recommendations for a program of further research are given.

CA EN ON PS SC

### The Effect of hypoxia on performance during 30 s or 45 s of supramaximal exercise

by T.M. McLellan, M.E. Kavanagh and I. Jacobs. Downsview, Ont. : Defence and Civil Institute of Environmental Medicine, Biosciences Division, Environmental Physiology Section,

1990. 7 p. : ill. Bibliogr. (DCIEM report ; 90-P-05) In European Journal of Applied Physiology and Occupational Physiology: no 60, 1990. MICROLOG 90-05429 1 fiche

Evaluation of the effect of hypoxia on performance of 30 s and 45 s of supramaximal dynamic exercise. Twelve males were randomly allocated to perform either a 30 s or a 45 s Wingate test (WT) on 2 occasions (hypoxia and room air) with a minimum of 1 week between tests. After a 5-min warm-up at 120 W subjects breathed the appropriate gas mixture from a wet spirometer during a 5-min rest period. Resting blood oxygen saturation was monitored with an ear oximeter. Following all WT trials, subjects breathed room air for a 10-min passive recovery period. Muscle biopsies from the vastus lateralis were taken prior to and immediately following WT. Arterialized blood samples, for lactate and blood gases, were taken before and after both the warm-up and the performance of WT, and throughout the recovery period. Open-circuit spirometry was used to calculate the total oxygen consumption, carbon dioxide production and expired ventilation during WT.

• CA LS SC

### Effect of isopropanol (IPA) preservation on industrial fish

by E. Sola and T. Odegard. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 31 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5380) Originally published in Norwegian, by Fiskeridirektoratet, Norway. ISSN 0704-3716 MICROLOG 90-01556 1 fiche

Preservation of fish raw material using isopropanol (IPA) is used in processes which produce fish protein concentrate (FPC) for food or for animal and fish feed by extraction using IPA. It is known that by using IPA preservation, the raw material can be stored for 4-6 months or maybe longer without noticeable reduction in the value or properties of the product. This report presents the results of a study on the relationship between bacterial decomposition, temperature and IPA concentration using bait-containing summer capelin as the raw material, since the content of bait strengthens the autolysis and the raw material is poorly suited to storage.

• CA CF EV FI SC

### Effect of manual treatment timing on red alder regrowth and conifer response

by F. Pendl and B. D'Anjou. S.I. : Forest Resource Development Agreement, 1990. vi, 21 p. : ill. Bibliogr. (FRDA report ; 112) This is a joint publication of Forestry Canada and the British Columbia Ministry of Forests. ISSN 0835-0752 ISBN 0-7726-1101-7 MICROLOG 90-05857 1 fiche

Red alder is capable of dominating a range of sites following harvesting of coastal forests, quickly overtopping slower growing conifers. Manual cutting is an alternative to herbicides for controlling it but the species can resprout after cutting and continue to compete with the conifers for light. This study was initiated to explore the effects of timing of cut on resprouting behaviour of red alder. Circular brush saws were used to cut a 4-year-old stand of red alder overtopping planted Douglas-fir and grand fir seedlings on a site near Powell River, B.C. Cutting treatments were applied at five different times between June 7 and September 1, 1983.

• BC CA FO SC

### Effect of nursery culture on the growth of western hemlock seedlings during the first year of field establishment

by C. O'Reilly...et al. S.I. : Forest Resource Development Agreement, 1989. v, 23 p. : ill. Bibliogr. (FRDA report ; 091) ISSN 0835-0752 ISBN 0-6621-7186-1 MICROLOG 90-04435 1 fiche

The effects of nursery pretreatments, such as dormancy induction (photoperiod and moisture availability), 2 styroblock cavity sizes, and 3 dates of lifting and cold storage duration, on shoot length were investigated in seedlings of western hemlock during their first year of growth on 2 sites on Vancouver Island, B.C. This report summarizes the results

• BC CA FO PR SC

### Effect of parallel midbody on the resistance of ships in level ice

prepared for the Transportation Development Centre, by Melville Shipping Ltd. Ottawa : Melville Shipping Ltd., 1988. xiii, 231 p. : ill. Bibliogr. MICROLOG 90-01748 3 fiche

Investigation of the influence of parallel midbody length on resistance and how this is affected by friction coefficient and by the original ARCTIC bow and by the Melville bow. The model tests were conducted at the ice tank of the Institute for Marine Dynamics in St. John's, Newfoundland. The models were built up from 6 bows (3 Melville bows and 3 original bows), 4 midbodies (2 whole midbodies and 2 part midbodies), and one stern. The basic model is a 1:30 scale reproduction of the ARCTIC, and each part was prepared with a specific surface friction coefficient. The model tests consisted of 12 towed resistance tests in model EG/AD ice representative of 0.9 m, 1.2 m and 1.5 m, 570 kPa full scale ice. These ice thicknesses and strengths correspond to 30 mm, 40 mm and 50 mm, 19 kPa model ice. The model test program was conducted during January and February 1988, using standard model test procedures.

AP CA PS SC TR

### Effect of pressure and temperature on the surface tension and viscosity : final report

by D.S. Scott, I.G. Reilly and D. Radlein. Waterloo, Ont. : University of Waterloo, Research Institute, 1988. i, 58 p. : ill. Bibliogr. CANMET contract: 79065-01-SS. MICROLOG 90-00179 1 fiche

This phase I report evaluated existing equipment and techniques for their suitability to measure the surface tension and viscosity of hydrocarbon oils at high pressure and temperature, placed more emphasis on the measurement of dynamic surface tension than on the measurement of static surface tension, evaluated the procedures, if suitable ones exist, which would allow the calculation of surface tension from other properties such as viscosity, density, and refractive index; and provided a recommendation for the best methods available for both viscosity and surface tension. Phase II of the report will actually undertake the measurements if they are deemed feasible in the light of the results of the Phase I study.

• CA CM EN PS SC

### L'Effectif des cégeps à l'enseignement régulier : session d'automne, 1985

Québec : Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, 1986. 169 p. Bibliogr. (Bulletin statistique : recherche et développement ; v. 11 no 1) CSI 66131 101. ISSN 0229-0766 MICROLOG 90-05063 2 fiche

Le but de cette publication est de fournir des renseignements sur la répartition de l'effectif de



l'enseignement collégial par cégep, programme, classe et sexe. Elle concerne l'effectif régulier à temps plein des quarante-trois cégeps et des trois campus du réseau d'enseignement collégial public relevant du MESS.  
ED PR QU

**L'Effectif des collèges privés et des établissements publics relevant d'autres ministères que celui de l'enseignement supérieur et de la science : enseignement régulier à temps plein, session d'automne, 1985**

Québec Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, 1986 154 p. Bibliogr. (Bulletin statistique : recherche et développement ; v. 11 no 7) CS/ 66731 100. ISSN 0229-0766  
MICROLOG 90-05064 2 fiche

Le but de cette publication est de fournir des renseignements sur la répartition de l'effectif dans les établissements privés et ceux publics relevant d'autres ministères que celui de l'Enseignement supérieur et de la Science. Elle concerne l'effectif régulier inscrit à temps plein. Les quarante-et-un établissements concernés du collégial se répartissent en vingt-neuf collèges privés et douze établissements publics hors cégep.  
ED PR QU

**The Effectiveness of feather hooks in longline fishing operations**

St. John's Dept of Fisheries and Oceans, Fisheries and Habitat Management, Fisheries Development Division, 1989. 4 p. (Project summary, no. 15)  
MICROLOG 90-00143 1 fiche

In an effort to offset significant decreases in fish catches by Newfoundland inshore fishermen in recent years, new technological innovations are being introduced. This project summary describes a study to determine the catch efficiency of feather hooks using moored, nonfilament longlines, tested in Portugal Cove South, Renewals and Lumsden. In all, 46,000 hooks were fished for 42 days with an equal number of feather hooks and baited hooks being used.

• AP CA CF FI SC

**Effectiveness of passing lanes on highway no. 1**

by M. Kealey, J. Wyatt and A. Popoff. Regina : Saskatchewan Highways and Transportation, Engineering Division, 1990. 62 p. : ill.  
MICROLOG 90-05330 1 fiche

In 1989, a study of the operational effects of passing lanes to determine whether they are effective at the lower traffic volumes in Saskatchewan's rural environment was initiated. An evaluation of the public perception of the passing lanes was also required, along with a determination of difficulties at the merge tapers. The study used traffic statistics recorders, visual observations, questionnaires and a video camera to collect the necessary data. For 2 weeks in July, weekday traffic stream characteristics were collected for 36-48 hour periods, supplemented by various visual observations for shorter time periods. A questionnaire to determine a typical driver's perception of the passing lane operation was distributed in late July to the public through local town offices, rural municipality offices, RCMP detachments, the tourist information booths at Fleming and in Regina, the weight scale on Highway no. 1 and to several trucking companies.  
MS PR SC TR

**Effects of a major dredging program on the sedimentary environment of Miramichi Bay, New Brunswick**

by K. Kranck and T.G. Milligan. Dartmouth,

N.S. : Bedford Institute of Oceanography, 1989. v, 61 p. : ill., maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 112) ISSN 0711-6774  
MICROLOG 90-01866 1 fiche

The Miramichi Estuary is a large, shallow, barrier bar estuary on the Gulf of St. Lawrence coast of New Brunswick. The bay is an important centre for lobster, herring, salmon and smelt fisheries, as well as forest products industries and shipping terminals. Until recently, shipping through the bay used a 5 m draft channel which was largely natural and had required very little maintenance since 1939. In 1981-83 a major dredging program was undertaken and the channel was deepened to 7.6 m with the removal of 6.6 million metric tonnes of dredge spoils. This waste was disposed of at 3 designated dumpsites. This report discusses the impact of the dredging program on the marine environment and the apparent long term fate of bottom sediment dislodged to deepen the shipping channel.

• AP CA CF EV FI SC

**The Effects of addition agents on zinc electrowinning from Kidd Creek electrolyte**

by D.J. MacKinnon...et al. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. vi, 64 p. : ill. Bibliogr. (Report ; MSL 90-16(TR))  
MICROLOG 90-06003 1 fiche

Study to determine an effective additive control strategy for the Kidd Creek zinc electrorefinery. In this phase of the study, systematic laboratory tests followed by several plant evaluations were done to determine the optimum mix of the various reagents required to maximize zinc deposition current efficiency and maintain a low deposit lead content. The individual and combined effects of antimony, sodium silicate, Dowfroth and Saponin on zinc deposition current efficiency and polarization and on the zinc deposit morphology and preferred orientation were determined in 6-h electrolysis tests conducted at 38C and 500 A/sq m current density. Platinum anodes and aluminum cathodes were used with Kidd Creek electrolyte containing 55 g/L Zn and 200 g/L H<sub>2</sub>SO<sub>4</sub>. The trends identified in the 6-h experiment were confirmed in 24-h electrolysis tests employing Pb-Ag anodes with SrCO<sub>3</sub> additions to simulate plant operating conditions.

• BC CA CM NR PS SC

**Effects of an oil spill on American lobster *Homarus americanus* from Placentia Bay, Newfoundland**

by U.P. Williams...et al. St. John's : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1988. iv, 9 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1650) ISSN 0706-6457  
MICROLOG 90-04321 1 fiche

In March 1988 an accidental spill of 500 barrels of light crude oil occurred during the offloading of a tanker at the wharf of Come by Chance refinery, Placentia Bay, Newfoundland. Concern was expressed by local fishermen as to the effect of the spill on the lobster fishery in the Bay. Studies of selected parameters were undertaken to determine the possible short and long term effects, and sensory analyses were carried out to ascertain the effects of the oil on the taste and odour of lobster. Lobster muscle and hepatopancreas were analyzed for PAH (polycyclic aromatic hydrocarbon) content and levels of gill browning were determined. Sediments were sampled at various locations in the Bay and levels of PAHs were determined to delineate the extent of contamination.

• AP CA CF EN EV FI SC

**The Effects of commercial fishing on lake sturgeon *Acipenser fulvescens* populations in the Sipiwek Lake area of the Nelson River, Manitoba, 1987-88**

by J.W. Patalas. Winnipeg : Manitoba Natural Resources, Fisheries Branch, 1988. vii, 38 p. : ill. Bibliogr. (Manuscript report ; no. 88-14)  
MICROLOG 90-02594 1 fiche

The exploitation of lake sturgeon populations in the Nelson River by the commercial fishery since the turn of the century has been characterized by periods of intensive fishing followed by collapse of the populations and temporary closure of the fishery. Since the fishery last reopened in 1970, commercial production has remained relatively stable due to reduced catch quotas. To evaluate the effects of the present management regulations on the sturgeon populations in the Sipiwek Lake area of the Nelson River, a total of 190 fish were sampled from the commercial catch in 1987 and 1988. Age frequency distributions and growth rates were compared to similar studies carried out in the past. A critical review of these studies is presented.

FI MS PR SC

**Effects of commercial seed coating on alfalfa establishment in interior British Columbia**

by D.J. Thompson and D.G. Stout. Ottawa : Agriculture Canada, Research Branch, 1990. iii, 37 p. Bibliogr. (Technical bulletin ; 1990-4E) ISBN 0-662-17880-7  
MICROLOG 90-06410 1 fiche

Seed coatings of legumes involves pre-inoculation (inoculation with Rhizobium in bulk prior to sale) and as such frees growers from the task of field inoculation. In the coating process, Rhizobium inoculum is adhered to the seed, then the coat (mainly limestone with some phosphate) is added with an adhesive. Coating is claimed to increase alfalfa seedling emergence, seedling vigour and root modulation. This technical bulletin contains tests of these claims performed with commercial coats from 3 seed coating companies in 7 seedings in the Kamloops area. All of the coats evaluated added about 50% to seed weight and contained peat-based inoculum.

• AG BC CA SC

**The Effects of copper and magnesium additions to hypereutectic aluminum-silicon alloys prepared by powder metallurgy**

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1969. i, 16 p. (Report ; PM-R 69-5)  
MICROLOG 90-04656 1 fiche

In previous work, it was shown that hypereutectic aluminum-silicon alloys with up to 45% Si can be produced with refined silicon phase by powder metallurgy techniques without the use of nucleation catalysts. Pre-alloyed powders were produced by atomization and the powders were consolidated by hot pressing. This investigation observed the effect of additions of copper and magnesium on the properties of the Al-35% Si alloy produced in the same manner.

• CA CM NR PS SC

**Effects of culture density and size of juveniles on growth and survival of pond-reared coho salmon released from Quinsam Hatchery in 1983 and 1984**

by U.H.M. Fagerlund...et al. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989. iv, 41 p. : ill. Bibliogr.



(Canadian technical report of fisheries and aquatic sciences ; no. 1689) ISSN 0706-6457  
MICROLOG 90-00148 1 fiche

Juvenile coho salmon were reared for 12 months in Burrows' ponds at 4 loading densities before release as smolts in 1983 and at 6 densities before release in 1984. A representative number of fish in each pond were provided with coded magnetic wire tags, small, medium and large size fish receiving separate codes. During rearing of the fish released in 1984 attempts were made to minimize the differences in weight between ponds by modifying the feed intake. Data is also provided on the ocean survival and characteristics of returning jacks and adults from the 2 releases.

• BC CA CF FI LS SC

### The Effects of forest harvesting on marten and small mammals in western Newfoundland

by J.A. Bissonette, R.J. Fredrickson and B.J. Tucker. St John's : Newfoundland and Labrador Wildlife Division ; Corner Brook Pulp and Paper Limited, 1988. viii, 109 p. Bibliogr.  
MICROLOG 90-02621 2 fiche

Marten are classified as a threatened species in Canada, and in Newfoundland they are found only in one small area of western Newfoundland, where the Pine Marten Study Area was established. During the last 30 years, timber harvesting in western Newfoundland has extended from the Corner Brook area and encroached on the marten study area. This report assesses how timber cutting affects populations of pine marten and their prey base, and projects the impact that future cutting will have on marten in western Newfoundland. Information for the report came from field studies conducted at Little Grand Lake from November 1985 through August 1987, from prior field studies conducted in western Newfoundland, and from the published literature.

AP EV FO PR SC

### Effects of forest herbicides on some important wildlife forage species

by P.M. Balfour. S.I. : Forest Resource Development Agreement, 1989. v, 58 p. Bibliogr. (FRDA report ; 020) ISSN 0835-0752  
MICROLOG 90-01253 1 fiche

Consolidation of information on the effect of forest herbicides on important wildlife forage species, accomplished by reviewing herbicide trial results from B.C., Alberta, Saskatchewan, Washington, Oregon, and Idaho. No original research was done. From the approximately 1300 entries analyzed, summary results were tabulated on the basis of chemical type, and rate and season of application. Each entry was referenced to provide consultation for further information about individual trials.

BC EV FO PR SC

### Effects of increasing amounts of non-polar organic liquids in domestic waste leachate on the hydraulic conductivity of clay liners in southern Ontario

by R.M. Quigley and F. Fernandez. Toronto : Ministry of the Environment, Research and Technology Branch, Environmental Research Program, 1989. 2 v. : ill. Bibliogr. ISBN 0-7729-6205-7  
MICROLOG 90-01834 4 fiche

Current landfill design practice requires the presence of a clay barrier (liner) consisting of either a natural stratum or compacted clay borrow. This report presents the results of a 3-year study to assess the compatibility between a natural clay from southern Ontario and domestic waste leachate containing increasing amounts of organic solvents to

simulate leachates where co-disposal practices might have taken place or accidental spills of concentrated organics might have occurred close to a water-wet barrier clay. The clay/leachate compatibility studies were performed using fixed-ring permeameters that permitted control of the applied confining effective stresses, measurement of volume changes in the soil specimen, and assessment of the chemistry of the influent and effluent parameters. Two water-soluble organic liquids (ethanol and dioxane) were used in concentrated form and added to domestic waste leachate in various percentages. A special set of experiments were also run on leachate-moulded clays to study the effects of pre-compaction flocculation on hydraulic conductivity.

EV ON PR SC

### The Effects of mixed and radial hydride morphologies on the axial fracture toughness of Zr-2.5Nb pressure tube

by A.C. Wallace. Toronto : Ontario Hydro, Research Division, 1990. i, 25 p. : ill. Bibliogr. (Report ; no. 90-44-K)  
MICROLOG 90-06106 1 fiche

Investigation of the effects of differences in hydride orientation and hydrogen concentration on the fracture toughness of Zr-2.5Nb pressure tube as a function of temperature. The morphologies were characterized by a parameter referred to as the hydride continuity coefficient, which provides a measure of the extent to which hydrides are oriented in the axial-radial plane of the pressure tube wall. Two mixed morphologies, with hydrides oriented between the radial and circumferential directions, were prepared in undeformed tube sections. The third morphology was prepared in a flattened and stress-relieved strip. Fracture toughness and ductile behaviour were observed for each.

EN ON PR PS SC

### Effects of Ocean Variability on Recruitment and an Evaluation of Parameters Used in Stock Assessment Models : proceedings of the International Symposium

edited by R.J. Beamish and G.A. McFarlane. Ottawa : Dept. of Fisheries and Oceans, 1989. xi, 379 p. : ill. Bibliogr. (Canadian special publication of fisheries and aquatic sciences ; 108) ISSN 0706-6481 ISBN 0-660-13360-1  
MICROLOG 90-02496 5 fiche

Invited speakers from Canada, the People's Republic of China, Japan, the U.S., and the U.S.S.R. met to discuss the effects of ocean variability on recruitment and to evaluate the accuracy of parameters used in stock assessment models. Each paper includes an abstract.

CA CF FI LS SC

### Effects of prescribed fire on site productivity : a literature review

by S.B. Lindeburgh. Victoria : Ministry of Forests and Lands, 1990. iv, 15 p. Bibliogr. (Land management report ; no. 66) ISSN 0702-9861 ISBN 0-7718-8908-9  
MICROLOG 90-03816 1 fiche

Report on the ecological effects of prescribed fire and in particular, the effects on the soil resource, including organic matter, nutrients, soil acidity, temperature, and post-burn productivity

BC FO PR SC

### Effects of produced sand on short distance pipeline transportation of heavy oil in water emulsions : SRC pipeloop test results : final report

by R. Gillies, M. Small and C.A. Shook. Saskatoon, Sask. : Saskatchewan Research Council, 1989. v, 42 p. : ill. Bibliogr. (SRC

publication ; no. R-1110-2-C-89) CANMET contract : 89031-01-SQ  
MICROLOG 90-03968 1 fiche

This investigation considered the effects of temperature and sand content on the flow resistance of high concentration heavy oil emulsions. The emulsions were prepared with moderate shear using fairly low surfactant concentrations in an attempt to simulate flow in gathering system pipelines. Sand transport by fluids in turbulent flow is comparatively well understood, but little is known about laminar flows. Since high concentration oil in water emulsions have high viscosities, laminar flow is likely to occur and the test program considered this type of flow.

• CA CM EN MS PS SC

### Effects of size at release in rainbow trout *Salmo gairdneri* stocked in a winterkill lake

by K. Tsumura, J.M.B. Hume and B.M. Chan. Victoria : Ministry of Environment and Parks, 1987. i, 15 p. Bibliogr. (Fisheries management report ; no. 88) ISSN 0705-5390 ISBN 0-7726-0685-4  
MICROLOG 90-00637 1 fiche

Winterkill lakes are generally very productive and are suitable for supporting a trout population during the ice-free period, although they cannot sustain a population when ice and snow cover reduces the dissolved oxygen concentrations. This study was undertaken to determine whether yearling rainbow trout could be graded to include a large number of precocious males, which could then be utilized to develop a fishery in a winterkill lake, since such males become less attractive for fishing purposes after sexual maturity and spawning. The 3 size groups used for comparison were progeny from the 1984 spawning run at Pennask Creek. The fish were released into Horseshoe Lake in May 1985 and sampled for length, weight, clips, sex, maturity and gonad weights in October 1985. Fish were compared in 2 catchable size classes.

BC FI PR SC

### Effects of suspended sediment on eggs and larvae of lingcod *Ophiodon elongatus*, Pacific herring *Clupea harengus pallasii*, and surf smelt *Hypomesus pretiosus*

by J.D. Morgan and C.D. Levings. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, West Vancouver Laboratory, 1989. vii, 31 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1729) ISSN 0706-6457  
MICROLOG 90-05013 1 fiche

Biological effects of ocean disposal of dredged spoils have been studied extensively in recent years but most of the published data have dealt with adult life stages, and little information is available regarding effects on egg and larval stages of marine species. This report studies the effects of dredged spoils on the eggs and larvae of lingcod, Pacific herring and surf smelt, all commercially important species. These species spawn in proximity to the Point Grey and Victoria Ocean dumpsites. Bioassay tests using eggs and larvae of each species were conducted to investigate the toxic effects of contaminated and uncontaminated sediment suspensions upon hatching success, timing of development, and larval survival after hatching. Based on these data, recommendations are made regarding the use of toxicity testing with early life history stages of marine fish species to determine the quality of dredged spoils designated for ocean dumping.

• BC CA CF FI LS SC



### The Effects of technological change on employment of engineering and applied science technicians and technologists in Canada and Manitoba

Dalcor Innovations Ltd. Ottawa Employment and Immigration Canada, Labour Market Outlook and Structural Analysis Branch, 1987. 32 p. Bibliogr.  
MICROLOG 90-00689 1 fiche

The MANSCETT data development project is a pilot project based in Manitoba aimed at improving the understanding of the role and supply of and demand for engineering technicians and technologists. The project involves the development of a computer database including occupational and employment data and a survey of the membership to gather information which can be loaded into the database for analysis. A 2nd objective of the project is to assess technological change as it affects members and potential members of MANSCETT and CCTT. This report presents the findings arising from the 2nd objective. It considers the effects of data processing and other electronic equipment on current and future levels of employment and reports the views of employers, educators and government in both Canada and Manitoba  
CA LA MS PS SC

### Effects of the food quality on the appearance of yellowtail streptococcosis

by M. Taniguchi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences, no. 5289) Originally published in Japanese ISSN 0704-3716  
MICROLOG 90-02126 1 fiche

This paper clarifies experimentally the correlation between the feed used for rearing and the occurrence of yellowtail streptococcosis, using artificial oral inoculation.  
• CA CF FI SC

### The Effects of trade liberalization on the Canadian dairy and poultry sectors

by J.D. Graham...et al. Ottawa : Agriculture Canada, Policy Branch, 1990. 131 p. Bibliogr. (Working paper : 3/90)  
MICROLOG 90-05932 2 fiche

Under the General Agreement on Tariffs and Trade, countries are examining proposals that would change trading rules for their agricultural sector. There is pressure to dismantle many current government agricultural support programs. This study examines an extreme position of complete trade liberalization for OECD countries and measures some of the impacts of such a change upon producers' earnings for the major agricultural commodity groups in Canada. Particular attention is directed to the dairy and poultry sectors where a methodology is proposed, and used, which examines changes in these sectors as one moves to a free trade position.  
AG CA CO EX

### The Effects of word processing and automated data entry technology on the quantity and quality of users' jobs : summary

by J. David-McNeil and M. Garand. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1990. v, 57 p. : ill. Bibliogr. French ed. (Les Incidences du traitement...) : 90-04984/1 ISBN 0-662-17691-X  
MICROLOG 90-04983 1 fiche

To shed more light on the effect of computer technology on jobs in Québec, research was

conducted in 2 hospitals, 2 private companies in the financial sector and 2 government agencies. The study measured the severity of certain socio-economic effects, and determined whether there is a link between them and management variables or individual characteristics of the workers, all of whom are women. The study analyzed the workers' perceptions of the positive or negative effects of data entry and word processing computer technology on the characteristics and conditions of their jobs. The data were gathered from 229 women working as data entry operators and 187 working as word processor operators. Social factors measured included variety of tasks and number of jobs, complexity of tasks, autonomy, job mobility, monitoring and supervision, health problems, physical environment, social interactions, attitude toward computer technology, and satisfaction with computer technology and working conditions.  
CA LA PS SC TE

### L'Effet bureautique : un guide d'évaluation : guide destiné aux gestionnaires de moyennes et grandes organisations

par N. Kischuk et J. Légaré. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1988. 93 p. Bibliogr. ISBN 0-662-95217-0  
MICROLOG 90-05471 2 fiche

Imaginons que quelques employés d'un service utilisent depuis un an ou deux un système bureautique. La direction de l'organisation a récemment annoncé qu'elle envisageait une expansion du système à d'autres secteurs de service, et peut-être même à toute l'organisation. Avant de prendre une telle décision, la direction veut connaître les effets qu'a eus le système à l'intérieur du service et quels effets on pourrait ainsi en attendre si son utilisation était répandue dans l'organisation. Ce guide renseigne sur la façon de recueillir et de présenter l'information importante pour évaluer de tels effets. Il indique comment identifier, mesurer et présenter les coûts et bénéfices de la bureautique.  
CA LA PS SC

### L'Effet catalyseur des accidents ferroviaires dans l'évolution des lois sur les accidents de travail en Ontario : une analyse conceptuelle et historique

par R.J.T. Hicks. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1986. 99 p. : ill. Bibliogr. ISBN 0-660-92186-3  
MICROLOG 90-02064 2 fiche

Ce rapport est le fruit d'une enquête sur le rôle qu'a joué le développement des réseaux ferroviaires dans l'évolution des lois sur les accidents de travail en Ontario. Pour atteindre cet objectif, on y étudie la relation particulière qui s'est établie entre les Ontariens du XIXe siècle et le chemin de fer. Le rapport tente également de démontrer que le développement d'un réseau ferroviaire au Canada a servi de catalyseur dans l'amélioration des lois sur l'indemnisation des travailleurs.  
LA ON PR SC TR

### Effets de l'acidité sur les communautés piscicoles du nord de la Mauricie

par S. Tremblay. Québec : Gouvernement du Québec, Ministère de l'environnement, Direction de la qualité du milieu aquatique, 1989. x, 83 p. : ill., cartes géogr. Bibliogr. En tête du titre: Précipitations acides. ISBN 2-550-19961-8  
MICROLOG 90-02961 1 fiche

L'acidification des eaux douces constitue présentement une des plus sérieuses menaces pour la faune aquatique de plusieurs régions

de l'hémisphère nord. Pour connaître l'ampleur des ressources piscicoles affectées par les précipitations acides, le ministère de l'Environnement du Québec a instauré en 1986 un vaste programme d'échantillonnage, à la fois physico-chimique et ichthyologique, sur cinq grandes régions hydrographiques du Québec qui sont l'Outaouais, la Mauricie, le Saguenay-Lac Saint-Jean, la Côte-Nord et l'Abitibi. Ce rapport vise à identifier l'impact des précipitations acides sur les populations piscicoles du nord de la Mauricie.  
EV FI PR QU SC

### Les Effets des émanations de soudage sur la santé

par P. Sampara. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1985. 12 p. Bibliogr. ISBN 0-660-91721-1  
MICROLOG 90-00396 1 fiche

Ce document présente le résumé des effets que peuvent produire les émanations de soudage sur la santé. Il vise principalement à servir comme source de renseignements pour les soudeurs, les ingénieurs en soudage, les comités d'hygiène et de sécurité, les hygiénistes du travail, les médecins et les infirmières et autres spécialistes de l'hygiène et de la sécurité du travail. Il aborde principalement les questions suivantes: les principaux procédés de soudage à l'arc, les genres de métaux qui se prêtent au soudage; comment les fumées se produisent; les principaux genres de fumées dégagées par le soudage; les effets des fumées sur la santé; comment les gaz se produisent; les principaux genre de gaz dégagés par le soudage; les effets des gaz sur la santé, et les effets combinés des fumées et des gaz sur la santé.  
• CA HE LA PS SC

### Les Effets des micro-ondes sur les yeux

Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, Groupe des dangers physiques, 1989. i, 6 p. Bibliogr. ISBN 0-660-92680-6  
MICROLOG 90-02164 1 fiche

L'absorption des micro-ondes dans l'organisme affecte divers organes, principalement en transformant l'énergie en chaleur. L'oeil est particulièrement vulnérable aux micro-ondes parce qu'il ne peut dissiper la chaleur de façon appropriée. Cette publication décrit les effets des micro-ondes sur l'oeil.  
• CA HE LA PS SC

### Les Effets des précipitations acides sur les terres humides

par J.M. Anderson. Ottawa : Environnement Canada, Conservation et Protection, Direction générale des terres, 1986. vi, 42 p. Bibliogr. (Document de travail : 50) Sur la couv.: Recherche sur les précipitations acides. ISBN 0-662-94066-0  
MICROLOG 90-03122 1 fiche

Ce rapport est le fruit des travaux effectués en vertu d'un contrat accordé par la Direction générale des eaux intérieures. On y fait le point des connaissances actuelles sur la vulnérabilité des terres humides aux précipitations acides. On y résume également les projets actuels de recherche et on y formule des recommandations sur les recherches à effectuer. Ce rapport est destiné à orienter les activités du TGDPA à l'égard des terres humides.  
• CA EN EV SC

### Effets des rayonnements ionisants sur la santé

par B. Pathak. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. ii, 22 p. Bibliogr. L'éd. anglaise (Health effects of ionizing...) : 90-03615/1. ISBN 0-660-92944-9  
MICROLOG 90-05752 1 fiche



Les dangers possibles des rayonnements ionisants concernent les travailleurs qui utilisent ou qui fabriquent des substances radioactives, des appareils à rayons X ou certains dispositifs à haute tension. Les rapports des médias sur les effets dévastateurs de la guerre nucléaire et des accidents dans les centrales nucléaires nous rappellent constamment ces dangers. Cette publication donne des renseignements de base sur les effets pathologiques possibles des rayonnements ionisants. On y trouve également un glossaire de termes techniques à la fin du texte.

• CA EV HE PS SC

#### Effets possibles de la récolte intensive sur la productivité à long terme des terres forestières

par S.M. Malondo. Fredericton Forêts Canada. Service canadien des forêts - Maritimes, 1988. 33 p. (Rapport d'information, M-X-171) *L'éd anglaise (Possible effects of intensive...)* sur la même fiche ISSN 0883-1162  
MICROLOG 90-04044 1 fiche

Ce document porte sur le lancement du Programme de l'énergie forestière (ENFOR) qui tente d'effectuer des recherches et de mettre au point des techniques visant à augmenter la contribution de la biomasse forestière de façon à accroître les ressources en énergie non renouvelables. Il porte également sur: les effets d'une récolte intensive sur la fertilité du sol; la situation dans la région des maritimes; la portée de l'étude, les matériaux et méthodes, et, les résultats.

• AP CA FO SC

#### Efficacité comparée de l'avion et de l'hélicoptère pour les dénombrements de Cygnes trompettes

par L.J. Shandruk et K.J. McCormick. Ottawa: Service canadien de la faune, 1989. 4 p. Bibliogr. (Cahiers de biologie; no 182) *L'éd anglaise (The Relative effectiveness...)*: 90-01096:1  
MICROLOG 90-02460 1 fiche

Cet article livre les résultats de la comparaison entre l'avion et l'hélicoptère quant à leur efficacité pour les relevés aériens des populations de Cygnes trompettes. On y présente le résumé, la zone d'étude, la méthodologie, les résultats et les discussions.

CA EV LS SC

#### L'Efficacité dans la transparence : rapport

Québec (Province). Groupe de travail sur les processus d'octroi de contrats du gouvernement. Québec: le Groupe, 1990. viii, 60 p. ISBN 2-551-14157-5  
MICROLOG 90-07305 1 fiche

Ce document vise à jeter un regard d'ensemble sur le processus d'octroi des contrats du gouvernement, identifier des améliorations à apporter aux processus actuels, proposer des voies de solution et, décrire les correctifs à apporter. Il reprend les principaux éléments de la problématique ayant conduit à la formulation des recommandations et est regroupé autour de trois grands axes: le cadre actuel régissant l'octroi des contrats du gouvernement; les processus d'octroi de contrats du gouvernement; et, le partage des responsabilités entre les intervenants gouvernementaux, et l'imputabilité des dirigeants.

PA PR QU

#### L'Efficacité énergétique dans les édifices à bureaux et les bâtiments commerciaux : guide du gestionnaire

Québec: Gouvernement du Québec, Bureau de l'efficacité énergétique, 1989. iii, 140 p.: ill. Bibliogr. ISBN 2-550-20021-7  
MICROLOG 90-04350 2 fiche

On trouvera dans ce document un aperçu des techniques actuelles de la gestion énergétique et des possibilités que leur application offre sur le plan des économies d'énergie. Il donne un aperçu général de la gestion énergétique telle qu'elle se présente à l'heure actuelle, traite des divers éléments qui entrent en jeu dans la gestion de l'énergie (enveloppe du bâtiment, exploitation et entretien des bâtiments, systèmes de chauffage, de refroidissement et de ventilation, etc.). Chaque chapitre fait un examen des questions pertinentes et donne une liste de contrôle des économies réalisables par l'application des méthodes actuelles de gestion énergétique. Un chapitre distinct est consacré à la qualité de l'air et à ses rapports avec la gestion énergétique, questions à laquelle on s'intéresse beaucoup depuis quelque temps. Les annexes donnent certains renseignements de base ainsi qu'une bibliographie.

EN PL PR QU SC

#### L'Efficacité énergétique dans les lieux de culte : guide technique

Québec: Gouvernement du Québec, Bureau de l'efficacité énergétique, 1988. vi, 70 p.: ill. ISBN 2-550-18975-2  
MICROLOG 90-04349 1 fiche

Pour qu'une démarche en vue d'améliorer le bilan énergétique d'un édifice de culte soit réellement positive, il faut respecter certains principes généraux. L'approche choisie est essentiellement pratique. Elle traite des grands aspects du bâtiment pour lesquels le bilan énergétique peut être amélioré: le contrôle de l'infiltration, l'isolation supplémentaire, l'amélioration du système de chauffage; le contrôle de la stratification dans les nefs, et, la réduction et l'amélioration de l'éclairage. Pour chacun de ces thèmes, on s'attache à situer l'importance de la consommation due à cet aspect; identifier les indices permettant de juger de la sévérité des pertes à ce chapitre; inventorier les principales options de correction possibles, et, indiquer les bénéfices possibles que l'on peut en retirer et la façon d'évaluer la rentabilité générale de l'opération envisagée ou déjà réalisée.

EN PL PR QU SC

#### L'Efficacité énergétique et le chauffeur : ce que tout chauffeur devrait savoir

Québec: Gouvernement du Québec, Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1989. ii, 37 p.: ill. ISBN 2-550-20162-0  
MICROLOG 90-04767 1 fiche

Ce document décrit le professionnel de la route, par des conseils et des recommandations sur différents aspects de ses activités quotidiennes. On y présente de façon chronologique, toutes les actions qui président à la conduite efficace d'un camion. Le document débute par la prise en charge, et passe ensuite au départ où il élabore sur la façon d'effectuer les changements de rapports. Puis, une fois en route, il propose des techniques de conduite. Enfin, les chapitres suivants contiennent des conseils sur le fonctionnement de la mécanique par temps froid et des conseils de santé. L'aspect sécuritaire est partie intégrante de chacune des quatre parties, de même que l'aspect économique.

PR QU SC TR

#### Efficacy of glyphosate in controlling competing vegetation in Nova Scotia

Truro, N.S.: Dept. of Lands and Forests, 1988. 8 p.: ill. Bibliogr. (Forest research report; no. 3)  
MICROLOG 90-02223 1 fiche

Glyphosate (given the trade name Roundup by Monsanto Co. Ltd.) is a herbicide presently registered in many countries of the world including the United Kingdom, Sweden, Norway and the U.S. In Canada, the registration for

forestry use includes both ground and aerial applications for site preparation as well as conifer release. Ground trials were established at 6 locations from 1978-80 to determine the rates of Roundup necessary to adequately control various species of competing vegetation in Nova Scotia  
AP FO PR SC

#### Efficiency of activated charcoal for inactivation of bromacil and tebuthiuron residues in soil

by M.P. Sharma. Edmonton: Alberta Land Conservation and Reclamation Council, Oil and Gas Reclamation Research Program, 1989. x, 46 p.: ill. Bibliogr. (Report, RRTAC 89-3)  
MICROLOG 90-05216 1 fiche

A greenhouse study was conducted to investigate the efficiency of activated charcoal for inactivation of bromacil and tebuthiuron residues in soil. The influence of factors such as herbicide charcoal concentration ratio, soil texture, organic matter content, soil moisture and the time interval between charcoal incorporation and plant establishment was evaluated. Oats were used as a bioassay species to assess the phytotoxicity of bromacil and tebuthiuron residues  
AL EV PR SC

#### Efficient implementation of heuristics for the continuous network design problem -- Rev.

by P. Marcotte and G. Marquis. Montreal: Université de Montréal, Centre de recherche sur les transports, 1990. 17 p. Bibliogr. (Publication, no. 678)  
MICROLOG 90-03002 1 fiche

Paper presenting an efficient implementation of heuristic procedures for solving the continuous network design problem where network users behave according to Wardrop's first principle of traffic equilibrium. Numerical results involving a "standard" benchmark problem are given. It is also shown that the cost mapping arising in the iterative-optimization-assignment algorithm is integrable, if and only if, the volume-delay function is of either the BPR or some logarithmic form.  
PR PS QU SC TR

#### Efficient shell elements for three-dimensional non-linear explicit transient dynamic analysis

by R.G. Sauvé. Toronto: Ontario Hydro, Research Division, 1990. iii, 123 p.: ill. Bibliogr. (Report, no. 89-222-K)  
MICROLOG 90-06653 2 fiche

The transient dynamic analysis of 3-dimensional structures undergoing severe deformation represents a complex field in solid mechanics which is computationally very demanding. The use of explicit schemes in this area provide distinct advantages for reliability and efficiency when applied to problems involving impact, shock and finite deformation. Some applications at Ontario Hydro include the simulation of accidental impacts of radioactive waste transportation packages in support of licensing and design, impulsive loading of reactor components, and reactor component interaction using dynamic relaxation techniques. This report presents an efficient 3-dimensional bi-linear quadrilateral shell element for use in explicit transient dynamic analysis.  
EN ON PR PS SC

#### L'Egalité dans la différence : les droits de la personne au Canada : un bilan

Ottawa: Commission canadienne des droits de la personne, 1988. 20, 20 p.: ill. Bilingue (*The Right to be different...*). ISBN 0-662-56278-X  
MICROLOG 90-01820 1 fiche



Ce document fait le bilan sur les droits de la personne au Canada et recouvre des thèmes aussi divers que la liberté politique, l'équité en matière d'emploi, l'intégration des personnes handicapées et l'égalité des sexes. Pour faire le point sur la situation au Canada, la Commission canadienne des droits de la personne a chargé un journaliste d'interviewer des dirigeants et des militants de huit associations canadiennes vouées respectivement à la défense des droits des personnes handicapées, des autochtones, des femmes, des minorités raciales, religieuses et ethnoculturelles et des gens du troisième âge. Ce document en présente les résultats.  
CA JU SA

#### Egg loss from Pacific herring spawns in Barkley Sound in 1988

by C.W. Haegele and J.F. Schweigert.  
Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iii, 37 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2037) ISSN 0706-6473  
MICROLOG 90-02298 1 fiche

Herring egg loss from spawning grounds is of concern mainly because stock assessments utilize spawn survey data to estimate spawner biomass. Egg loss may be determined either by sampling spawn through the incubation period to determine if there is a decrease in egg density or sources of egg loss can be identified and estimated. Both approaches were used in this study. A relatively large geographical area was selected for the study so that results would have general applicability. Spawn was sampled at 8 locations, 4 of which were on the Vancouver Island shoreline and 4 on smaller islands in northern Barkley Sound. Standard visual observations of the type used to estimate egg density from SCUBA surveys were made and spawn was sampled for egg density estimates. Predators were identified and enumerated and an attempt was made to determine rations for avian predators. Egg loss from wave action was not estimated separately since no substantial windrows of eggs were encountered and washed-up spawn appeared to be the major food item of non-diving avian predators.  
● BC CA CF FI SC

#### The Eighth CERI International Oil and Gas Markets Conference : conference proceedings

sponsored by the Canadian Energy Research Institute ; in collaboration with the Calgary Chamber of Commerce, Calgary, Alta. : The Institute, 1989. 419 p. : ill. Bibliogr.  
MICROLOG 90-01031 5 fiche (Available on fiche only)

Papers presented at the conference, covering the state of the world oil market, the U.S. national energy strategy; OPEC oil in the 1990s, world oil market perspectives, international gas markets including liquefied natural gas; downstream investments in the European Community, the U.S. and Canada, North American gas markets including Ontario and California, and oil and gas exploration and development in the 90s in Colombia, Australia and Canada.  
● AL CA EN SC

#### Elder abuse : a discussion paper

by N. Gnaedinger. Ottawa : Health and Welfare Canada, Family Violence Prevention Division, 1989. ii, 74 p. Bibliogr. *French ed (Les Mauvais traitements...)* : 90-00764/1. Presented at the National Forum on Family Violence : working together.  
MICROLOG 90-00765 1 fiche

This paper provides a definition of elder abuse, and discusses awareness, education and training, detection; mandatory reporting and

protective legislation, intervention and treatment, prevention, research; and Canada's response  
BS CA CI SA

#### Elder abuse bibliography

Ottawa : Health and Welfare Canada, Social Services Programs Branch, Family Violence Prevention Division, National Clearing House on Family Violence, 1988. 103 p. ISBN 0-662-56466-9  
MICROLOG 90-01696 2 fiche

For each entry, this document identifies the date of publication, author, place and publisher, call number, material type, and number of pages  
BS CA CI SA

#### Elder abuse in Manitoba : a discussion paper

Winnipeg : Dept. of Northern Affairs, 1989. 12 p.  
MICROLOG 90-00448 1 fiche

This discussion paper covers the many forms of abuse including, physical, financial, and psychological abuse. It outlines some steps the government of Manitoba proposes to take to address this problem.  
BS CI MS PR SA

#### The Elderly in Canada's small towns : recent trends and their implications

Gerald Hodge ; with the assistance of John B. Collins. Vancouver, B.C. : University of British Columbia, Centre for Human Settlements, 1987. iii, 44 p. : ill. Bibliogr. (Occasional papers ; 43) ISSN 0706-2559  
MICROLOG 90-01589 1 fiche (Available on fiche only)

This paper examines the fact that small towns in Canada (those under 10,000 population) are home to much higher proportions of the elderly than any other form of habitat. It documents this phenomenon and describes its recent trends in terms of several indicators: age structure, male-female ratios, and mobility. With this it establishes the extent of the elderly in small towns and several of its major demographic characteristics. It addresses the question of whether small town environments are equal to the demands and needs of the elderly.  
● CA CI SA

#### Les Elections au Québec : bibliographie

par P. Drouilly. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1990. 61 p. Bibliogr. (Bibliographie et documentation ; 35) ISBN 2-551-12406-9  
MICROLOG 90-07321 1 fiche

Afin de ne pas surcharger une bibliographie qui deviendrait dès lors pratiquement inutilisable, ce document n'a retenu dans cette bibliographie que les textes d'analyse des élections. De plus, il n'a retenu que quatre aspects des élections, à savoir, le système électoral (mode de scrutin et carte électorale), le personnel politique (candidats, députés et ministres), l'analyse de sondages électoraux et l'analyse des résultats électoraux. En somme, cette bibliographie comprend près de 600 titres.  
PA PR QU

#### Elections partielles fédérales : rapport du Directeur général des élections conformément à l'article 193 de la Loi électorale du Canada, 1989

Canada. Bureau du Directeur général des élections. Ottawa : le Bureau, 1989. 4 p. *Bilingue (Federal by-elections...1989)*. ISBN 0-662-57216-5  
MICROLOG 90-03629 1 fiche

Ce document présente le rapport annuel du Directeur général des élections, en ce qui a

trait aux élections partielles. Il porte principalement sur les élections partielles fédérales à Beaver River, en Alberta, pour l'année 1989. On y donne des renseignements tels : les bureaux de scrutin, le bulletin de vote déposé pour chaque parti, les bulletins de vote rejetés; le vote total, et, les électeurs sur les listes.  
AL CA PA

#### Elections partielles fédérales : rapport du Directeur général des élections conformément au paragraphe 58(9) de la loi Électorale du Canada, 1988

Canada. Bureau du Directeur général des élections. Ottawa : le Bureau, 1988. 7 p. *Bilingue (Federal by-elections...1988)*. CSI 22163 004 ISBN 0-662-56338-7  
MICROLOG 90-02258 1 fiche

Rapport portant sur les élections partielles fédérales du 20 juin 1988, qui ont eu lieu au Lac-Saint-Jean.  
CA PA ST

#### Elections Québec, 1989 : mise en application de l'article 490 de la Loi électorale (1989, C.1)

Québec (Province). Directeur général des élections du Québec. Québec : le Directeur, 1989. 13 p.  
MICROLOG 90-05293 1 fiche

Dans le cadre des élections générales du 25 septembre 1989, le Directeur général des élections, en raison de circonstances exceptionnelles, a eu recours aux dispositions de l'article 490 de la Loi électorale aux fins de procéder de façon spéciale pour le recensement dans certaines sections de vote pour quelques circonscriptions électorales. Ce document fournit les informations pertinentes concernant le contexte, les démarches préalables, la décision elle-même, de même que la façon dont les partis politiques autorisés, les candidats et les électeurs ont été informés.  
PA PR QU

#### Electric and magnetic fields and your health : a report

Canada. Working Group on Electric and Magnetic ELF Fields. Ottawa : Health and Welfare Canada, 1990. 15 p. Bibliogr. *French ed (Votre santé et les champs...)* on the same fiche ISBN 0-662-17232-9  
MICROLOG 90-03856 1 fiche

There has been increased concern regarding health effects of extremely low frequency ELF (1-300 Hz) electric and magnetic fields, particularly of those produced by power lines. In response to this concern, a working group representing labour, utility companies, academia, and federal and provincial governments was formed in 1986 to assess the existence and scope of health effects of electric and magnetic fields related to the generation and use of electricity, to identify gaps in knowledge, to foster research to fill these gaps, and to educate the public on the state of scientific understanding. This document was prepared to educate the public regarding health effects of exposure to electric and magnetic fields at 60 Hz. Reports on the Working Group's activities, conclusions and recommendations are also included.  
CA EN HE PS SC

#### Electric Energy Forum : energy and the environment : proceedings

Electric Energy Forum (2d : 1989 : Vancouver, B.C.). Vancouver, B.C. : B.C. Hydro ; Victoria : Ministry of Energy, Mines and Petroleum Resources ; Ministry of Environment, 1989. 413 p. : ill. Bibliogr. ISSN 0840-884X  
MICROLOG 90-05718 5 fiche



Proceedings of the forum, which concentrated on sustainable development and B.C. Hydro's production of electric power. Presentations were given on issues and alternatives, restrainable development, future development scenarios, the relationship of thermal projects and the environment, B.C. Hydro's Power Smart program, and an update on independent power producers.  
BC EN PR PS SC

#### Electric Energy Forum : proceedings

Electric Energy Forum (1st : 1988 : Richmond, B.C.). Victoria : B.C. Hydro : Ministry of Energy, Mines and Petroleum Resources, 1988. iii, 432 p. : ill.  
MICROLOG 90-06581 5 fiche

This forum was held to allow B.C. Hydro to present its forecasts and resource plans and to consult customers interested in demand-side management (DSM) and parallel generation. This document presents an edited transcript of the proceedings, covering B.C. Hydro's resource plan, its DSM programs and the potential for energy efficiency, and parallel generation from the perspective of B.C. Hydro, the suppliers, and the public. Panel discussions on these topics are also included.  
BC EN PR SC

#### Electric power in Canada, 1988

Ottawa : Energy, Mines and Resources Canada, Energy Sector, Electrical Energy Branch, 1988. 112 p. : ill., maps. *French ed (L'Energie électrique...)* : 90-00467/2. CSI 21110.006. ISSN 0070-962X ISBN 0-662-16971-9  
MICROLOG 90-00340 2 fiche

Annual report on the electric power industry in Canada, its place in an international context as a leader in long-distance electric power transmission, current consumption and generation, generating capacity and reserve, exports, transmission, investment and financing, costing and pricing, and the load forecasts to 2005. Detailed data covering these topics are included.  
CA CO EN SC ST

#### Electrical

Ottawa : Energy, Mines and Resources Canada, 1988. 62 p. : ill. (Energy management series for industry, commerce and institutions ; 3) ISBN 0-662-14155-5  
MICROLOG 90-05339 1 fiche

One of a series of manuals to help managers and operating personnel recognize energy management opportunities within their organizations. The manuals provide mathematical equations, general information on proven techniques and technology, and examples of how to save energy. This manual covers fundamental principles, including electrical theory, metering and rates, those factors most likely to improve the efficiency of an electrical installation, and the basic calculations to evaluate the operating efficiency of the main parts of an electrical system; the main types of electrical equipment, their capacity ranges, and the advantages and disadvantages of each type; and energy management opportunities, which lists items which deserve attention in energy or diagnostic audits. A glossary of terms and worksheets are also given.  
● CA EN SC

#### Electrical conductivity of insulator surface ices

by P.G. Buchan. Toronto : Ontario Hydro, Research Division, 1989. 16 p. : ill. (Report ; no. 89-31-K)  
MICROLOG 90-00419 1 fiche

Hot and cold fog testing of artificially contaminated and iced insulators requires careful attention to the conductivity of the water supply, since ordinary tap water has a

conductivity and ion concentration that differ from natural rain or fog. Tap water must be conditioned prior to its use. The situation is even more complicated during freezing in that the conductivity of the water can change significantly if ice forms slowly. Investigations have shown that even the conductivity of the surface ice can vary, especially between that on the upper surface and the icicles that form on the lip. These observations led to a series of investigative experiments which included a study of ice conductivities at temperatures below freezing and a study of the conductivity of the melt water. This report deals mainly with these physical characteristics and makes no attempt to explain the behaviour of iced and contaminated insulators from the measured data.  
EN ON PR PS SC

#### Electrical generating station proposal : complete verbatim transcript

Nova Scotia Environmental Control Council : Point Aconi Public Consultation Meetings (1990 : Point Aconi, N.S.). Halifax : Environmental Control Council, 1990. 238 p.  
MICROLOG 90-03278 3 fiche

Transcript of the public hearing on the proposed Point Aconi electrical generating station. The transcript includes reporting of the morning, afternoon and evening sessions, the presentation by N.S. Power Corp. at each session, questions to the presenters, presentations by intervenors and questions to the intervening presenters.  
AP EN EV PR SC

#### Electrical power sources inventory for Transport Canada

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by W.A. Adams and Gils S. Song. Ottawa : University of Ottawa, Electrochemical Science and Technology Centre, 1988. xvi, 41 p. Bibliogr.  
MICROLOG 90-04079 1 fiche

Due to the vast improvement of power sources technology in recent years, Transport Canada is faced with system updating. However, because of manpower shortages, it has not been possible to determine a precise measure of currently available systems, their manufacturers and their performance. This survey develops an inventory of power sources used by the Canadian Coast Guard, the Aviation Group and the Airports Authority Group to define the current and future requirements of Transport Canada for these power source devices. The survey covers batteries, thermoelectric generators, photovoltaic systems, uninterruptible power from utilities, wind power, and fuel cells.  
CA EN PS SC TR

#### Electrical supply to OWMC

prepared by Ontario Hydro, Design and Development Division ; for the Ontario Waste Management Corporation. Toronto : The Division, 1987. vi, 95 p. : fold. maps. Bibliogr.  
MICROLOG 90-02866 2 fiche

Description of the technical, economic and environmental studies carried out by Ontario Hydro to plan the new transmission facilities required to supply electrical energy to the proposed Ontario Waste Management Corp. industrial waste treatment and disposal facility in the Township of West Lincoln. New electrical facilities needed include 3.3 km of single circuit, 115 kV, wood pole transmission line, 2 line taps and manually-operated disconnect switches to energize and operate the new line; and the raising of an existing 230 kV transmission line to provide electrical clearance for the egress of the new transmission line. Three options were considered for the transmission line route.  
EN EV ON PR SC

#### Electricity conservation and acid rain in Ontario : final report -- Rev.

prepared by Marbek Resource Consultants Ltd and Torrie, Smith and Associates. Toronto : Ministry of Energy, 1989. 99 p. : ill.  
MICROLOG 90-01725 2 fiche

This report describes a 2-part analysis of the impact that demand management measures could have on Ontario Hydro's acid gas emissions in the 1990s. Part A develops estimates of the potential for and costs of efficiency improvements and conservation by 2000, presented as electricity conservation supply curves. Part B presents an analysis of the cost effectiveness (as compared with scrubbers) of 3 scenarios for acid gas reductions based on electricity conservation measures and estimates the potential for and the costs of electricity conservation and efficiency improvements by 2000, developed on a measure by measure basis, detailing costs and the total potential impact of each measure  
EN EV ON PR SC

#### Electricity rates in Canada handbook, 1990 -- Update.

Ottawa : Energy, Mines and Resources Canada, Electrical Energy Branch, 1990. 146 p. CSI 21110.208  
MICROLOG 90-04363 2 fiche

Presents general summaries, and rates for all provinces and territories.  
CA EN PW ST

#### Electrofishing : fish reactions with neurophysiological explanations

by P. Lamarque. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 39 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5442) Originally published in French ISSN 0704-3716  
MICROLOG 90-00612 1 fiche

Studies in various countries, primarily Germany, have shown that electrofishing could be a valuable aid in pisciculture and hydrobiological studies. An electric field is created in the water and the fish are attracted to the anode (positive galvanotaxis), immobilized, then scooped up with a net for tagging, sample-taking, removal of large pike, or count-taking. The Applied Hydrobiology Laboratory at Biarritz has been examining the mechanisms involved since 1959. This paper discusses the main findings.  
● CA CF FI SC

#### An Electronic ore sorter

by R.H. Goodman, A.H. Bettens and C.A. Josling. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 8 p. : ill. (Report ; MS 65-110)  
MICROLOG 90-04640 1 fiche

An electronic ore-sorting system using X-ray fluorescence was developed to allow the extension of uranium ore sorting techniques to other minerals. The system operates on ore sizes from 2-10 inches. This report describes the system, its principles of operation, the fail-safe castle, the detection system, and its applications and uses.  
● CA CM NR PS SC

#### Electronic systems in transportation : proceedings of the Canadian Conference on Electrical and Computer Engineering

edited by Micha Avni. Ottawa : Transport Canada, Policy and Coordination, Research and Development, Transportation Development Centre, 1989. xii, 151 p. : ill. Bibliogr.  
MICROLOG 90-01733 2 fiche

Following an introduction to the Transportation Development Centre, several papers under each heading cover these topics: microwave



landing systems, electronic systems in search and rescue, advanced systems for air space management, and other papers. Under the latter category are papers concerned with wide area vehicular communications, a hard real-time operating system for airborne scientific experiments, techniques for the enhancement of marine radar images, automated baggage threat detection, a graphic integrated software package for road management, an interface to expert systems in transportation and an expert system in railway information system.  
CA PS SC TE TR

### Electrophysiological study of reactions to direct current in the frog

by P. Lamarque, J. Etzensperger and N. Charlon. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 33 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5443) Originally published in French, in Paris. ISSN 0704-3716  
MICROLOG 90-00611 1 fiche

Frogs were placed in a uniform electric field and their reactions in relation to their orientation to the flow and intensity of the current are described. The origin of each of these reactions is demonstrated (excitation of muscle or nerve fibers, increase or decrease in motoneuron excitability). The methods and results are discussed in relation to their applications to other aquatic species, notably fish.

• CA CF FI LS SC

### Electrotechnique : dépannage d'appareils électroniques domestiques : étude préliminaire

Québec : Ministère de l'éducation, Direction de la formation professionnelle, 1989. 33 p. Bibliogr. ISBN 2-550-14784-7  
MICROLOG 90-02011 1 fiche

Cette étude a pour but de démontrer la pertinence de la révision du programme 'Dépannage d'appareils électroniques domestiques' et ce, afin que les futurs étudiants acquièrent les compétences nécessaires pour satisfaire aux exigences du monde du travail. L'étude comporte une présentation des besoins de main-d'œuvre sur les plans quantitatifs et qualitatifs, elle aborde également la question du perfectionnement des maîtres et de la structure organisationnelle.  
ED LA PR QU

### Elevage artificiel des agneaux -- 2e rév.

par A.D.L. Gorrill...et al. Ottawa : Agriculture Canada, 1990. 30 p. : ill. Bibliogr. L'éd. anglaise (*Artificial rearing of young...*) sur la même fiche. ISBN 0-662-95875-6  
MICROLOG 90-05749 1 fiche

Ce document présente une révision préparée dans le but de mettre à jour le guide d'élevage artificiel des agneaux, de façon à répondre à l'intérêt que connaît ce domaine. Elle puise abondamment à même les résultats de recherches réalisées aux États-Unis et au Canada. Cette publication porte principalement sur le choix et la préparation des agneaux; la conduite de l'élevage artificiel; le choix de l'aliment d'allaitement; les systèmes de distribution; l'hygiène; les maladies et troubles digestifs, et la performance des agneaux nourris aux aliments d'allaitement.  
AG CA SC

### L'Elevage de la morue franche *Gadus morhua* : réalités biologiques et économiques

par J.-D. Dutil...et al. Mont-Joli, Québec : Ministère des pêches et océans, Direction des sciences biologiques, Institut Maurice-Lamontagne, 1989. x, 41 p. : ill. Bibliogr. (Rapport canadien à l'industrie sur les sciences halieutiques et aquatiques ; no 200)

ISSN 0704-3708  
MICROLOG 90-01225 1 fiche

Le personnel de la Division des Services économiques et de la Division de l'Aquiculture, Région du Québec, a préparé le présent rapport dans le but d'analyser les facteurs biologiques et économiques pouvant avoir une incidence sur le succès d'élevage de ce poisson marin au Québec. Ce rapport vise quatre objectifs. Déterminer si le contexte économique actuel, tant national qu'international, est favorable ou défavorable à cet élevage; relier les résultats des essais d'élevage de la morue; discuter des résultats de recherche pouvant avoir une incidence sur les pratiques d'élevage de la morue; et, souligner les domaines où un manque de connaissances de base pourrait nuire à l'expansion d'une industrie basée sur l'élevage de la morue.  
• CA CF FI QU SC

### Elimination de l'essence au plomb : répercussions sur les moteurs à essence en usage au Canada après 1990

par F.C. Lavallée et L.P. Fedoruk. Ottawa : Environnement Canada, Service de la protection de l'environnement, 1989. x, 57 p. : ill. Bibliogr. (Rapport ; SPE 3/TS/1) L'éd. anglaise (*The Elimination of leaded gasoline...*) : 90-01432/1.  
MICROLOG 90-01450 1 fiche

Un certain nombre de voitures, de camions, de machines agricoles, de bateaux, de motocyclettes, de voitures et bateaux anciens, de tondeuses à gazon et autres équipements de jardinage, conçus pour fonctionner à l'essence au plomb, seront encore en service en 1990. Or, l'utilisation d'essence sans plomb dans ces cas risque d'accélérer l'usure des sièges de soupape (communément appelée affaïssement de soupape). Il est question dans ce rapport des propriétés du plomb tétraéthyle et de ses effets sur les moteurs. Le nombre de véhicules, de machines et d'équipements divers qui seront exposés à l'affaïssement de soupape a été estimé afin d'examiner l'étendue du problème et les solutions possibles pour l'atténuer.

EV PR QU SC TR

### The Elimination of leaded motor gasoline : effect on Canadian gasoline engines beyond 1990

by F.C. Lavallée and L.P. Fedoruk. Ottawa : Environment Canada, Environmental Protection Service, 1989. xii, 51 p. : ill. Bibliogr. (Report ; EPS 3/TS/1) French ed. (*Elimination de l'essence au plomb...*) : 90-01450/1.  
MICROLOG 90-01432 1 fiche

Leaded gasoline will be banned in Canada, with a few exceptions, by December 1, 1990, although there are still a number of older vehicles and motor-powered equipment in operation that were designed to use leaded gasoline which would therefore experience valve seat recession if unleaded gasoline is used. This report examines the problem of valve seat recession, discusses various solutions, describes the properties of tetraethyl lead and its effects on engines, and examines the ability of engines used in cars, trucks, farm machinery, boats, motorcycles, antique cars and boats, and lawn and garden equipment to operate on unleaded gasoline and their potential for suffering valve seat recession. Canadian vehicle populations are estimated for the equipment at risk and conclusions are reached about the magnitude of the problem and alternatives available to lessen its severity.

• CA EV SC TR

### Elimination progressive de l'essence au plomb

Ottawa : Environnement Canada, Conservation et protection, 1989. 3, 3 p. : ill. Bilingue

(Leaded gasoline phase-out). ISBN 0-662-56894-X  
MICROLOG 90-02208 1 fiche

Le plomb est une substance très toxique pour les humains et l'environnement. Au début des années 1970, Santé et Bien-être social Canada a commencé à se préoccuper des effets nocifs du saturnisme, ou pollution par le plomb, sur la santé humaine. Ce document se penche particulièrement sur ce qui a trait à l'élimination progressive de l'essence au plomb.

• CA EV SC TR

### Ellis Township

compiled by the staff of the Resident Geologist's Office, Sudbury, Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 557) Fold. maps not filmed.  
MICROLOG 90-04564 1 fiche

Geological data inventory for Ellis Township, including a checklist of data sources, type of exploration work by company, topographical maps available, and selected references.  
NR ON PR SC

### Les Emanations de radon dans les immeubles

par B. Pathak. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. ii, 13 p. Bibliogr. ISBN 0-660-92560-4  
MICROLOG 90-01135 1 fiche

Le radon est un gaz résultant de la désintégration de l'uranium. Il se désintègre spontanément, émet des particules alpha et produit des substances radioactives solides de courte période, appelées descendants ou produits de filiation du radon. Cette publication fournit des renseignements de base sur les risques éventuels que posent le radon et les produits de la désintégration du radon dans les immeubles, et sur la façon dont on peut réduire ces risques au minimum.

• CA HE LA

### Les Emballages et l'environnement

par J.R. Robertson. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 26 p. Bibliogr. (Etude générale ; BP-216F) L'éd. anglaise (*Package pollution...*) sur la même fiche. ISBN 0-660-92870-1  
MICROLOG 90-05363 1 fiche

Il y a une possibilité de réduction des déchets au niveau de l'emballage. Dans ce document, on examine le problème des emballages superflus et les tentatives faites pour les réduire, tant au Canada qu'à l'étranger. Cette étude se termine par une évaluation générale des différentes méthodes.  
CA EV SC

### Embrayer le 'moteur technologique' : stratégies pour le développement économique des collectivités

Ottawa : Conseil des sciences du Canada ; Association canadienne de technologie de pointe, 1990. 13, 12 p. Bilingue (*Firing up...*). ISBN 0-662-57606-3  
MICROLOG 90-06574 1 fiche

Sous l'impulsion des sciences et de la technologie, le Canada entre dans une ère de mutations sociales et économiques rapides. Les vagues d'innovation scientifique et technologique qui déferlent dans le monde entier donnent naissance à une foule de nouveaux produits, procédés et services. En fait, les sciences et la technologie sont de plus en plus les facteurs clés de la compétitivité d'un pays. Ce document se penche sur les nouvelles dimensions géographiques de la concurrence; les initiatives que devraient prendre les collectivités; et, l'action aux



échelons régional et national.  
CA CO PS SC

### Embryonic development of rainbow trout *Salmo irideus* Gibb. from overripe eggs

by L. Dimcheva-Grozdanova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 36 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5212) Originally published in Bulgarian, by the Bulgarian Academy of Sciences, in Bulgaria. ISSN 0704-3716  
MICROLOG 90-02697 1 fiche

Examination of the embryonic development of the rainbow trout (*Salmo irideus* Gibb.) produced from overripe eggs, the fertilizing capacity of the eggs, the fishes' growth rate and deviations from normal development. The experiments were carried out in 1964 and 1965 with fertilized and unfertilized eggs of rainbow trout, hatched in California-type incubators.

• CA CF FI LS SC

### Emergence of chironomidae (Diptera) from continental water bodies of different climatic zones as a factor determining the food supply of fish

by Y.V. Borutsky. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 32 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5412) Originally published in Russian, in the U.S.S.R. ISSN 0704-3716  
MICROLOG 90-01507 1 fiche

Chironomidae play an important role in the economics of continental water bodies of all the climatic zones. They are the main food of benthophagous fishes and are utilized by them at all stages of development. This study clarifies the mechanisms that govern the changes in the number of emergences and generations of Chironomidae in the waters of different climatic zones, and the importance of these emergences to the food supply of the fish. Data from the literature and from observations on the ecology of chironomids were used. The study was limited to the eurythermal species of the genus Chironomus, since these species (the largest and most valuable as a food for fish), are encountered in different types of waters throughout the world, and in most of them constitute the main nucleus of not only the Chironomidae, but often the entire benthos.

• CA CF FI LS SC

### The Emergence of multiethnicities in 1981 and 1986 : their sociocultural significance

by K.J. Krótki and D. Odynak. Edmonton University of Alberta, Dept. of Sociology, 1990. 40 p. Bibliogr. (Research discussion paper ; no. 63) CSI 99241.209. ISSN 0317-2473  
MICROLOG 90-06452 1 fiche

Provides a comparison of the numbers and proportions self-reporting various ethnic groups varying from census of 1971 to census of 1986. It makes a suggestion to Statistics Canada for counting of multiethnicities, superior to current practices. Instead of giving each reported multiethnicity a value of one as was the practice in 1981 and 1986, a value of 1/k should be used, where k equals the number of ethnicities reported by each individual respondent. It considers the analytic advantages and disadvantages of such an arrangement.

• CA CU SA

### Emergency units in hospitals : guidelines

see Guidelines for establishing standards for special services in hospitals : report

### Empirical procedures for prediction of rock fragmentation by blasting

by Y.C. Lizotte. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. iv, 59 p. : ill. Bibliogr. (Report ; MRL 90-06(TR)) MICROLOG 90-06009 1 fiche

This report presents empirical formulas and procedures for the prediction of rock fragmentations by explosives blasting based on field and laboratory experiments in which attempts are made to correlate resultant fragmentation to specific blasting parameters. The Kuz-Ram procedure, based on the Kuznetsov and Rosin-Rammler equations, is the most widely accepted procedure in use in the industry at present. The report describes a computer program which applies the Kuz-Ram procedure, using examples to illustrate its potential. An annotated program listing and results are appended.

• CA CM NR PS SC

### L'Emploi au futur : tertiarisation et polarisation : un rapport de synthèse

Conseil économique du Canada. Ottawa : le Conseil, 1990. ix, 40 p. : ill. L'éd. anglaise (Good jobs, bad jobs...) : 90-03183/1. ISBN 0-660-92843-4  
MICROLOG 90-03558 1 fiche

Rapport de synthèse du Conseil portant sur l'économie du Conseil économique du Canada, l'économie de services, les services et le processus de création d'emploi; le nouveau marché de l'emploi; les conclusion et les orientations. De plus, il comprend un rapport de recherche détaillé et un certain nombre d'études techniques préparées par le personnel du Conseil et des experts de l'extérieur.

CA CO LA

### Emploi d'un mélangeur pour contrôler la qualité des agents moussants

par E. Stechishen. Chalk River, Ont. : Forêts Canada, Institut forestier national de Petawawa, 1990. 3 p. : ill. (Rapports techniques de l'IFNP ; 3) L'éd. anglaise (Using a blender...) sur la même fiche ISSN 1180-5757 ISBN 0-662-96225-7  
MICROLOG 90-06803 1 fiche

Une façon rapide et facile de déterminer si une charge donnée de concentré d'agent moussant se comportera selon le cahier des charges est d'en transformer une certaine quantité en mousse dans un mélangeur. Toutefois, il faut être prudent dans l'interprétation des résultats. Ce rapport technique de l'Institut forestier national de Petawawa, Ontario, se penche particulièrement sur ce sujet, soit l'emploi d'un mélangeur pour contrôler la qualité des agents moussants.

• CA FO SC

### Emplois, perspectives et croissance économique : rapport

Commission royale sur l'avenir du secteur riverain de Toronto (Canada). Groupe de travail sur les emplois, les perspectives et la croissance économique. Toronto : la Commission, 1989. 159 p. : ill., cartes géogr. Bibliogr. (Publication ; no 5) L'éd. anglaise (Job opportunities and economic...) : 90-05435/2. ISBN 0-662-16936-0  
MICROLOG 90-05811 2 fiche

Ce rapport vise à stimuler des échanges publics informés sur les problèmes qui entourent le réaménagement du secteur riverain de Toronto. Dans ce document, y sont énoncés les quatre principes déterminant les orientations

futures du secteur riverain le secteur et ses caractéristiques, le secteur riverain et le public, le secteur riverain et l'accès facile pour tous, et, l'intérêt public et la protection de l'environnement face au réaménagement du secteur riverain  
CA CO LA MU ON

### Employment enhancements to the Informetrica models : final report

Informetrica Limited. Ottawa : Employment and Immigration Canada, 1986. 178 p. (COPS consultant report) French ed. (Améliorations aux modèles...) : 90-00802/2. MICROLOG 90-00801 2 fiche

Summarizes the development of the data and equation estimates and discusses the results of preliminary model testing. It also describes the concepts underlying the I/O database used for the national estimates, and provides a summary of the national model extensions. Finally it outlines the development of the regional database and provides a summary of the regional estimates.

CA LA

### Employment equity : an annotated bibliography

Toronto : Ontario Women's Directorate, 1990. 16, 12 p. Bilingual (L'Équité d'emploi...) MICROLOG 90-06995 1 fiche

The bibliography contains general works on employment equity, work-family issues, child care, recruitment and selection, training, and labour unions, and employment equity. It also lists Ontario Women's directorate publications and includes addresses for requesting government publications.  
LA ON PR

### Employment Equity Act : Annual report 1989

Ottawa : Employment and Immigration Canada, 1989. 102, 112 p. : ill. Bilingual (Loi sur l'équité...). Tables (116, 120 p.) laid in CSI 22138 006 ISBN 0-662-57079-0  
MICROLOG 90-05404 5 fiche

This annual report discusses present information on implementing employment equity, group profiles for aboriginal women, persons with disabilities, and members of visible minorities. It also includes an assessment of employers' results.  
CA LA SA ST

### Employment equity for visible minority women : a guide for employers

Toronto : Urban Alliance on Race Relations ; Ontario Women's Directorate, 1990. iii, 40, iii, 45 p. Bilingual (Équité d'emploi pour les femmes...) MICROLOG 90-04821 2 fiche

As part of the Change Agent Project the purpose of this document is to encourage employment equity in the private sector. It is aimed at small- and medium-size (300 or less workers) employers. It discusses the kinds of employment barriers facing visible minority women, and provides practical suggestions for devising and maintaining a bias-free employment environment.  
CI LA ON PR SA

### Employment equity for women in the Ontario Public Service, 1986-87

Ontario Women's Directorate. Toronto : The Directorate, 1988. 64 p. : ill. CSI 56156 003 ISSN 0832-9613  
MICROLOG 90-03293 1 fiche

Employment equity refers to a broad range of initiatives designed to improve the economic status of women and support their participation in the workplace. This report summarizes the advances made towards the achievement of equity.  
ON PR SA ST



**The Employment Equity Program for women in the New Brunswick Civil Service : Annual report 1989**

Fredericton : Women's Directorate, 1990.  
57 p. : ill. CSI 45123.003. ISSN 0835-491X  
MICROLOG 90-05400 1 fiche

The Directorate is responsible for initiating and developing Government policies and programs which enhance the social, economic and legal status of women in the province, as well as initiating, developing and reviewing policies with respect to the employment and advancement of women in the Civil Service. The annual report reviews activities for the year with highlights to areas where women's representation is low. Includes profiles of employment levels for each sex, by government department and agency  
AP LA PA PR SA ST

**Employment equity programs in the public sector : a survey report**

Toronto : Ontario Women's Directorate, Consultative Services Branch, Public Sector Programs Unit, 1988. ix, 206 p. : ill  
CSI 56156.201  
MICROLOG 90-03304 3 fiche

This report presents an overview of the profiles of all public sector organizations and the content, context and expectations of employment equity programs (EEPs). It also contains profiles of programs in operation in each of these six constituent sectors, and examines the trends and patterns revealed by the survey which were significant in understanding the status of EEPs. Finally, it provides tables related to the findings.  
LA ON PR SA ST

**Employment glossary**

by E. Beauregard, F. Dubois and G. Jalbert.  
Ottawa : Dept. of the Secretary of State of Canada, 1990. xiii, 623 p. Bilingual (Lexique de l'emploi). ISBN 0-660-55656-1  
MICROLOG 90-04228 7 fiche

This glossary, which contains approximately 6,000 entries including 900 new ones, is a revised edition of the 1983 edition. The Terminology bank and some existing terminological works in the fields of labour relations, administration and finance were consulted in order to review the entire base list. This employment glossary contains the main official titles and the vocabulary in use at the Canada Employment and Immigration Commission. Also included are equivalents taken from manuals and other departmental publications, as well as from departmental translation files.  
CA LA

**Employment overview, 1987**

Toronto : Metropolitan Toronto Planning Dept., Research Division, 1988. 4 p. : ill. (Metro facts : 07). CSI 89181.221.  
MICROLOG 90-06158 1 fiche

The objective of this report is to identify major trends of employment activity in Metropolitan Toronto, and to give an indication of the impacts of these trends on the Metropolitan economy. Employment figures are generated from a survey of business establishments, conducted annually by the Planning Department  
LA MU ON

**Employment profile Metropolitan Toronto, 1983-86**

Toronto : Metropolitan Toronto Planning Dept., Research Division, 1987. viii, 149 p. : ill., maps. CSI 89187.002.  
MICROLOG 90-02414 2 fiche

Contains a detailed historical description of employment in Metropolitan Toronto, and depicts employment in the office, manufacturing and warehousing, retail, and service categories. It also describes the length of occupancy by

employment type, and details the results of a part-time employment survey for the Central Area. Finally, it delineates the eighteen key employment areas, and details employment by predominant land use.  
LA MU ON SA

**Employment standards legislation in Canada**

Ottawa : Labour Canada, 1990. 119 p.  
Bibliogr. French ed (La Législation en matière...) : 90-03571/2. ISBN 0-660-13432-2  
MICROLOG 90-03570 2 fiche

Presents the federal, provincial, and territorial legislative provisions in force on January 1, 1990, dealing with the statutory school-leaving age, the minimum age for employment, hours of work and overtime pay, minimum wages, equal pay, the weekly rest-day, general holidays with pay, annual vacations with pay, parental leave, individual and group terminations of employment, and the recovery of unpaid wages. An analytical text provides an overview of every subject discussed. In most cases, tables accompany these texts and provide specific information concerning the provisions which exist in each Canadian jurisdiction.  
CA JU LA

**Employment study of the fish farming industry, 1985**

by R. Engelsen and E. Tamber. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 7 p. (Canadian translation of fisheries and aquatic sciences ; no. 5324). Originally published in Norwegian. ISBN 0704-3716  
MICROLOG 90-02103 1 fiche

Report of a study of employment in fish-farming plants gathered by questionnaires sent to every plant at the same time (December 1-7, 1986). This paper gives a summary of the procedures and results, including the extent of the survey, the definition of employee, the distribution of labour, number of women employed, expansion plans, size of production units, work by owners and their close relatives, age distribution of employees, training of employees, and recruitment problems.  
• CA CF FI SC

**En vue du 21e siècle : orientation nouvelle des musées nationaux du Canada**

publié par Leslie H. Tepper. Hull, Québec : Musée canadien des civilisations, 1989. vii, 184 p. Bibliogr. (Bureau du directeur, dossier ; no 5). Les rapports sont en français ou anglais (Toward the 21st century...). ISBN 0-660-50292-5  
MICROLOG 90-04487 2 fiche

Treize exposés illustrent les divers points de vue qui ont contribué à donner une orientation nouvelle à la programmation des musées. L'ouvrage présente les opinions exprimées lors de conférences commanditées par les quatre musées nationaux et l'université Carleton ainsi qu'une série d'autres exposées sur le sujet. Il constitue un rapport des débats et une description des visions qui ont inspiré le changement d'orientation des musées nationaux du Canada à l'approche du XXIe siècle  
• CA CU

**Enabling learners : working plan no. 1, 1989-99 : a plan to implement policy directions : government response to the Sullivan Royal Commission on Education**

British Columbia. Ministry of Education. Victoria : The Ministry, 1989. 53 p.  
MICROLOG 90-01265 1 fiche

The purpose of this document is to establish a plan to implement government decisions related to the Sullivan Royal Commission. It identifies key events that are planned for a series of

projects over the next ten years and includes an overview of the provincial committee structure. It also provides a more detailed breakdown of each project.  
BC ED PR

**Enabling learners : working plan no. 2, 1989-99 : a plan to implement policy directions**

a response to the Sullivan Royal Commission on Education by the Government of British Columbia. Victoria : Ministry of Education, 1990. 53 p.  
MICROLOG 90-04994 1 fiche

This planning paper consists of two parts. The first part identifies key events that are planned for a series of projects over the next ten years and includes an overview of the provincial committee structure. Part two consists of a more detailed breakdown of each project.  
BC ED PR

**Encore une infestation de livrées des forêts -- Rev.**

revu par J.J. Churcher et G.M. Howse. Ottawa : Forêts Canada, Toronto : Ministère des richesses naturelles, 1989. 14, 14 p. : ill. Bilingue (Another outbreak...). ISBN 0-7729-4852-6  
MICROLOG 90-06575 1 fiche

Ce document présente des données sur l'étendue et la gravité des infestations, le nombre des bandes d'oeufs qui hivernent sur les arbres récepteurs et la propagation de l'infestation. De plus, il donne des renseignements sur l'évolution et les habitudes de la livrée des forêts; l'importance et la durée des infestations de livrées des forêts en Ontario de 1900 à 1956, la défoliation due à la livrée des forêts en Ontario de 1956 à 1988; les arbres hôtes et les impacts; le contrôle; et, les bureaux de district du ministère des Richesses Naturelles.  
FO LS ON PR SC

**End use of Canadian wood products : a study of patterns of utilization and economic impact of wood processing**

by S.S. Bandrowski. Ottawa : Government of Canada, Canadian Forestry Service, Economics Branch, 1978. iv, 29 p. : ill. (Information report ; E-X-31). ISSN 0834-938X  
MICROLOG 90-01191 1 fiche

Study to trace the flows of wood products from their primary state as unharvested trees to their disappearance points either as material inputs for further production or as finished products destined for final consumption. The study contains a description of the physical flows of wood through various stages of transformation which are grouped into 3 manufacturing levels differentiated by a progressively greater value added factor of labour and capital; an analysis of the impact sequences generated by these flows, measured by number of plants and workers employed in the manufacturing process; and patterns of use of lumber and plywood and their importance to domestic industrial users from 1961-71. Emphasis is placed on detection and analysis of significant trends in the relative distribution of wood products between various domestic industrial uses and exports.  
• CA CO FO SC

**Ending violence in families : a training program for pastoral care workers**

by R. Morris. Ottawa : National Health and Welfare, Family Violence Prevention Division, National Clearinghouse on Family Violence, 1988. 73 p. Bibliogr. ISBN 0-886322-254-0  
MICROLOG 90-03866 1 fiche



Discusses theological reflections on violence in families, violence against women, child abuse, elder abuse, and issues facing the church.  
• BS CA CI SA

### Endogenous overlapping market areas in a spatial duopoly

by M. Boyer and M. Moreaux. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 38 p. : ill. Bibliogr. (Publication ; no. 697)  
MICROLOG 90-06430 1 fiche

This paper considers competition through prices and market coverages in a spatial duopoly. A firm must inform consumers of its product and price and consumers do not search, choosing the proportion of consumers to inform is choosing market coverage. This study gives the locations of firms, and characterizes and compares the Stackelberg equilibria and the Bertrand equilibria. It shows that when the cost of informing the consumers is small, a duopolist always chooses to inform all consumers in the Bertrand equilibrium, but the leader in the Stackelberg equilibrium may choose not to inform everyone when the duopolistic competition is intense enough.  
• CA CO SC TR

### Enduring powers of attorney

Edmonton : Alberta Law Reform Institute, 1990. viii, 132 p. (Report for discussion ; no. 7) ISBN 0-8886-4158-3  
MICROLOG 90-03930 2 fiche

This document discusses the present law, the need for reform, safeguards, powers and duties of the Attorney, springing powers of attorney, and protection of attorneys and third parties. It also includes a summary of recommendations, and the draft legislation.  
AL JU PR

### Ener Sea Project, 1988-89 : vessel analysis computing systems

by P. Pinhorn. St. John's : Dept. of Fisheries and Oceans, Newfoundland Region, Fisheries and Habitat Management, Fisheries Development Division, 1989. v, 37 p. : ill. MICROLOG 90-01594 1 fiche

The Ener Sea project was conceived as a means of training Newfoundland inshore fishermen (those operating vessels less than 65 feet) about reducing their energy costs. Four main activities were conducted as part of the Ener Sea program from June 1988 to March 1989. They included propeller analysis, cost reduction/energy efficiency seminars, demonstrations at sea and vessel remeasurement. Propellers on 44 fishing vessels were analyzed and the vessel analysis computing system (VACS) was demonstrated. Twenty seminars were held throughout Newfoundland Region with a total of 258 fishermen in attendance.  
• AP CA EN FI SC

### L'Énergie : force motrice du développement économique : politique énergétique pour les années 1990

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1988. 121 p. : ill. CSI 66110.209F. ISBN 2-550-18779-2  
MICROLOG 90-03902 2 fiche

Ce document porte sur le secteur énergétique québécois à l'orée des années quatre-vingt-dix. Il se penche sur les enjeux et les objectifs; l'électricité, le gaz naturel, le pétrole et la pétrochimie; la maîtrise de l'énergie; la recherche et l'évolution technologique, l'énergie et l'environnement; le rôle du gouvernement; et la collaboration nécessaire.  
EN PR QU SC ST

### L'Énergie au Québec, 1988

Québec : Ministère de l'énergie et des

ressources, 1988. 115 p. : ill. L'éd. anglaise (Energy in Quebec...) : 90-01666/2  
CSI 66110.014F. ISSN 0715-8793 ISBN 2-550-19347-4  
MICROLOG 90-01667 2 fiche

Ce document regroupe des informations statistiques intéressant le secteur énergétique québécois. On y traite des points suivants: les données et informations statistiques permettant de mesurer l'évolution de la demande totale d'énergie et sa répartition par secteur de consommation, ainsi que la part de chaque forme d'énergie sur le marché énergétique québécois. On trouvera également de l'information sur les différentes industries du secteur de l'énergie, ces industries étant regroupées selon la forme d'énergie concernée (électricité, gaz naturel, pétrole et énergies non conventionnelles).  
EN PR QU SC ST

### L'Énergie au Québec, 1989

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 115 p. : ill., cartes géogr. L'éd. anglaise (Energy in Quebec...) : 90-04731/2  
CSI 66110.014. ISSN 0844-7241 ISBN 2-550-20259-7  
MICROLOG 90-04732 2 fiche

Ce document fournit des informations sur les conditions d'application de la politique énergétique gouvernementale. La première partie est consacrée au secteur énergétique québécois dans son ensemble. La seconde partie du document porte sur les différentes industries du secteur de l'énergie, ces industries étant regroupées selon la forme d'énergie concernée (électricité, gaz naturel, pétrole et énergies non conventionnelles).  
EN PR QU SC ST

### L'Énergie électrique au Canada, 1988

Ottawa : L'Énergie, mines et ressources Canada, Secteur de l'énergie, Direction de l'énergie électrique, 1989. 114 p. : ill., cartes géogr. L'éd. anglaise (Electric power...) : 90-00340/2. CSI 21110.006F. ISSN 0821-8218 ISBN 0-662-95450-5  
MICROLOG 90-00467 2 fiche

Ce rapport traite de l'industrie de l'électricité au Canada. De plus, il aborde les sujets suivants: l'industrie canadienne de l'électricité au plan international, la consommation d'électricité; la production d'électricité; la capacité de production et les marges de réserve; le commerce de l'électricité le transport; l'investissement et le financement des services d'électricité; le prix de revient et de vente; et les perspectives d'avenir.  
CA EN SC ST

### Energy Alberta, 1988 : review of Alberta energy resources in 1988

Calgary, Alta. Energy Resources Conservation Board, 1989. 48 p. : ill. CSI 35111.005. ISSN 0825-1525  
MICROLOG 90-00664 1 fiche

Annual report of the Board, reviewing energy development for the year. The report covers the establishment of the Board and its place in dealing with the energy industry, as well as its operations and activities in defence of the environment. A summary of the province's energy resources, sales and distribution, revenues, investment, and employment is included.  
AL CO EN PR SC ST

### Energy Alberta, 1989 : review of Alberta energy resources in 1989

Edmonton : Energy Resources Conservation Board, 1990. 44 p. : ill. CSI 35111.005. ISSN 0825-1525  
MICROLOG 90-06343 1 fiche

Review of energy developments within the province in relation to both Canadian and world trends. Developments in oil, natural gas, oil

sands, coal and electricity are given throughout the document, including sales and distribution, revenues, investment, employment and environmental issues. A list of who the management team is, rounds out this document.  
AL EN PR SC ST

### Energy alternatives for remote lodges and facilities

Toronto : Ministry of Energy, 1988. 37 p. : ill. Bibliogr.  
MICROLOG 90-01731 1 fiche

Operators of lodges and recreational facilities in remote (off-grid) locations face many economic and logistical obstacles to providing attractive, comfortable accommodations for tourists. Space heating, hot water, electricity for lighting and other amenities are costly to provide in remote areas when using gas or diesel powered generators with propane or kerosene heating to supplement wood fuel burning. This manual provides commercially available alternate energy systems and conservation opportunities suitable for Northern Ontario. Technical and economic information is included to help owners and operators identify and evaluate ways to effectively reduce their energy costs. This manual is intended to provide sufficient information to enable an owner/operator to make a preliminary assessment of the applicability of these alternate energy systems and energy conservation measures. Information about manufacturers and suppliers of products and services is included, as well as a number of sample projects.  
EN ON PR SC

### Energy Conservation and Renewable Energy Research, Development and Demonstration Program : Annual review 1988-89

Edmonton : Alberta Energy, Scientific and Engineering Services and Research Division, 1989. 34 p. : ill. Bibliogr. CSI 34107 003  
ISSN 0831-036X ISBN 0-86499-637-3  
MICROLOG 90-04130 1 fiche

Annual report of the Program, which concentrates on energy conservation in buildings, wind energy, and waste heat recovery/low temperature heat utilization. Information is given on research projects funded in each of these areas, as well as technology transfer. A summary of program expenditures by year from 1977-78 to the present and a list of publications is also included.  
AL EN PR SC ST

### Energy conservation in the industrial mineral sector, comminution, vol. I

Canada Cement Lafarge. Montreal : The Company, 1990. xiii, 175 p. : ill. Bibliogr. CANMET contract: OSQ84-00432.  
MICROLOG 90-07141 3 fiche

Summary report of a project to develop the necessary technology to optimize the comminution of industrial minerals for direct and indirect energy consumption. Ten industrial minerals were chosen for study and the work was divided into 3 phases. The first phase covered plant studies to develop a data base, the second phase covered the establishment of particle size monitoring methodology and the development of a proposal for pilot plant testing, and the 3rd phase covered the development of the pilot plant system. This report summarizes the work on phase I and II.  
• CA CM EN NR PS SC

### Energy conservation in the industrial mineral sector, comminution, vol. II

Canada Cement Lafarge. Montreal : The Company, 1990. 251 p. : ill. Bibliogr. CANMET contract: OSQ84-00432.  
MICROLOG 90-07142 3 fiche



Report on a project to develop the necessary technology to optimize the comminution of industrial minerals for direct and indirect energy consumption. Ten industrial minerals were chosen for study and the work was divided into 3 phases, covering plant studies to develop a data base, the establishment of particle size monitoring methodology and the development of a proposal for pilot plant testing, and the development of the pilot plant system. This report covers the asbestos, gypsum, limestone, cement and lime industries. The report first introduces the cooperating company, then describes the comminution processes monitored during the field work at the company's plant. Measurements made and results obtained are then reported and discussed. Each type of plant is addressed separately.

• CA CM EN NR PS SC

#### Energy conservation in the industrial mineral sector, comminution (crushing and grinding), phase III : activity 3

Canada Cement Lafarge. Montreal The Company, 1990. 243 p. : ill. Bibliogr. CANMET contract: OSQ84-00432 MICROLOG 90-07143 3 fiche

Report of a project to develop the necessary technology to optimize the comminution of industrial minerals for direct and indirect energy consumption. Ten industrial minerals were chosen for study and the work divided into 3 phases, covering plant studies to develop a data base, the establishment of particle size monitoring methodology and the development of a proposal for pilot plant testing, and the development of the pilot plant system. This report covers the mica, nepheline syenite, potash, silica and talc industry, first introducing the cooperating industry, then providing a description of the comminution processes monitored during the field work at the plant. Measurements made and results obtained are reported. Each type of plant is covered separately and a general review of that type of industry is included.

• CA CM EN NR PS SC

#### Energy conservation in the industrial mineral sector, comminution (crushing and grinding), phase III : activity 1

Witteck Development Inc. Mississauga, Ont. : The Corporation, 1987. 99 p. : ill. Contractor: Canada Cement Lafarge Ltd. CANMET contract: OSQ84-00432 MICROLOG 90-07144 2 fiche

This report is part of Phase III of a study to develop the necessary technology to optimize the comminution of industrial minerals in direct and indirect energy consumption. This report presents a description and results of activity 1 of the development of pilot plant systems. This test program examined the performance of a state-of-the-art high-efficiency classifier in a conventional dry milling circuit using calcite as a test material. The program established baseline data for a ball mill operated in closed circuit with a conventional classifier to produce a single product; with a high-efficiency classifier to produce a single product, and with a two-stage classification to produce a single product and to produce two products. Five tests were conducted.

• CA CM EN NR PS SC

#### Energy conservation in the industrial mineral sector, comminution (crushing and grinding), phase III : activity 2

Witteck Development Inc. Mississauga, Ont. : The Corporation, 1989. 153 p. : ill. Bibliogr. Contractor: Canada Cement Lafarge Ltd. CANMET contract: OSQ84-00432 MICROLOG 90-07145 2 fiche

As part of a project to assist the cement industry and other producers of non-metallic minerals to improve their energy efficiency and to promote research, a study was begun on

the development of current use of high efficiency air classification equipment. The study consisted of a literature review and bibliography of pertinent articles, tests with two state-of-the-art air classifiers using cement as the test material; and the examination of current trends in the application of high efficiency air classification equipment, their method of utilization and benefits derived with improved energy utilization and productivity in the production of cement.

• CA CM EN NR PS SC

#### Energy conservation in the industrial mineral sector, comminution (crushing and grinding), phase III : activity 3

Witteck Development Inc. Mississauga, Ont. : The Corporation, 1988. 136 p. : ill. Bibliogr. Contractor: Canada Cement Lafarge Ltd. CANMET contract: OSQ84-00432 MICROLOG 90-07146 2 fiche

This work forms Part III of a study on energy conservation in the industrial minerals sector. Phase I provided a data base of the direct energy consumed during the comminution of 10 industrial minerals; phase II reviewed an on-stream particle size analyzer; and phase III is divided into 7 sections, of which this is the 3d. This report includes a literature review and bibliography; the results of a questionnaire directed to a broad range of industrial mineral and cement processing companies to establish the degree of use of chemical additives in comminution and the overall effect on energy savings and/or process efficiencies; and bench scale static grinding tests using chemical additives of various types as suggested by other researchers on cement, calcium carbonate, silica, nepheline syenite and talc.

• CA CM EN NR PS SC

#### Energy conservation in the industrial mineral sector, comminution (crushing and grinding), phase III : activity 4

Witteck Development Inc. Mississauga, Ont. : The Corporation, 1988. 94 p. : ill. Contractor: Canada Cement Lafarge Ltd. CANMET contract: OSQ84-00432 MICROLOG 90-07147 2 fiche

This work forms Part III of a study on energy conservation in the industrial minerals sector. Phase I provided a data base of the direct energy consumed during the comminution of 10 industrial minerals; Phase II reviewed an on-stream particle size analyzer; and Phase III is divided into 7 sections, of which this is the 4th. The report presents baseline data for the milling circuit using a high efficiency classifier; completes off-line testing of the particle size analyzer in both the wet and dry modes; develops data to evaluate the operating characteristics, accuracy and repeatability of the particle size analyzer; operates the milling/classification circuit with off-line monitoring of particle size analysis; adjusts classifier conditions and mill feed rate manually; develops computer software to control the milling circuit based on data from the particle size analyzer; controls the milling circuit using particle size analysis and a personal computer, and monitors and controls production rates while the milling circuit is in operation.

• CA CM EN NR PS SC

#### Energy conservation in the industrial mineral sector, comminution (crushing and grinding), phase III : activity 5

Kilborn Limited. Toronto : The Company, 1986. 154 p. : ill., fold. ill. Contractor: Canada Cement Lafarge Ltd. CANMET contract: OSQ84-00432 MICROLOG 90-07148 2 fiche

This work forms Part III of a study on energy conservation in the industrial minerals sector. Phase I provided a data base of the direct energy consumed during the comminution of 10 industrial minerals; phase II reviewed an on-

stream particle size analyzer; and phase III is divided into 7 sections, of which this is the fifth. This phase investigated the wet comminution of asbestos through the development of capital, operating and energy cost comparisons of wet and dry milling. The study used Ontario Research Foundation generated data on wet milling and compared it to dry milling data from Lac d'Amiante du Québec Inc. for fibre recovery and fibre quality.

• CA CM EN NR PS SC

#### Energy conservation in the industrial mineral sector, comminution (crushing and grinding), phase III : activity 6

Witteck Development Inc. Mississauga, Ont. : The Corporation, 1987. 141 p. : ill. Contractor: Canada Cement Lafarge Ltd. CANMET contract: OSQ84-00432 MICROLOG 90-07149 2 fiche

This work forms Part III of a study on energy conservation in the industrial minerals sector. Phase I provided a data base of the direct energy consumed during the comminution of 10 industrial minerals; phase II reviewed an on-stream particle size analyzer; and phase III is divided into 7 sections, of which this is the 6th. This report presents the results of a pilot scale test program to evaluate the use of autogenous grinding for quartzite material from Steep Rock Resources to produce a coarse size sand grade product. Data was compared from grinding and classification circuit configurations of wet autogenous grinding in closed circuit with a classifying screen; dry, swept autogenous grinding in closed circuit with a classifier and screen; and dry, air swept semi-autogenous grinding in closed circuit with a screen and classifier.

• CA CM EN NR PS SC

#### Energy consumption in the Norwegian fishing fleet, 1971-80

by H. Erstad. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 6 p. (Canadian translation of fisheries and aquatic sciences ; no. 5263) Originally published in Norwegian, by the Institute of Fishery Technology and Research at Tromsø, Norway. ISSN 0704-3716 MICROLOG 90-02733 1 fiche

Based on accounting data from 1971-80, changes are shown in fuel consumption for coastal fishing, bank fishing, pollack seining, fresh and sail fish trawling, factory and industry trawling, ring net, and coastal and deep sea shrimp trawling. Estimates of total fuel consumption for the Norwegian fishing fleet from 1978-80 are also given, based on estimated energy coefficients multiplied by total catch. Only the table of contents and the summary are reproduced.

• CA CF EN FI SC

#### Energy consumption of heavy road vehicles : field parameter measurements and cross-impact analysis : summary report

prepared for the Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by D.A. Ljubic, J. Nader and Y. Provencher. Pointe Claire, Que. : Forest Engineering Research Institute of Canada, 1989. vii, 34 p. : ill. MICROLOG 90-04097 1 fiche

Summary of the results of 3 years research on factors which influence the energy consumption of heavy road vehicles. A field analysis was conducted of driver-machine-environment-road interactions using a test truck and trailer for automatic, simultaneous logging of the key variables on the road, allowing for the exploration of overall differences in energy consumption or for instantaneous measurement of the variables. The work also explored



driving techniques by monitoring 35 drivers manoeuvring the same trucking rig (tractor, trailer and load) on the same road; correlated energy consumption and road curves, grades and surfaces, and investigated the impact of selected components of the test trailer undercarriage on energy consumption. A theoretical method that uses data logged in the field as the input was developed. Once validated, this method served as the basis for analysing the cross-impacts between various factors.

CA EN PS SC TR

### Energy demand and fuel peat conversion study, Burin Peninsula

Provincial Consultants Limited. St. John's : Dept. of Energy, 1986. vii, 124 p. : ill., maps. Bibliogr. On cover: *Canada/Newfoundland Burin Peninsula Development Fund Subsidiary Agreement*. ISBN 0-920769-24-1  
MICROLOG 90-03769 2 fiche

The southern tip of the Burin Peninsula is one of 3 prime locations for fuel peat development in the province of Newfoundland. Peatlands in this area consist of blanket bogs of peat that are high in energy content and relatively easy to recover. This report examines the potential market for fuel peat conversion and provides a detailed assessment of 3 potential users. The resource potential and the potential peat fuel users are identified, then the technical and economic factors associated with the conversion of an oil-fired system to peat burning for a large fish processing plant, a medium size ship building plant and an elementary school are identified.

• AP CA EN PR SC

### Energy economy through the use of synthetic oils in the engine, transmission and two rear axles of a road transport vehicle

prepared by D.A. Ljubic and the Forest Engineering Research Institute of Canada. Ottawa : Transport Canada, Transportation Development Centre, 1986. xiv, 74 p. : ill. Bibliogr.  
MICROLOG 90-01734 1 fiche

To investigate and demonstrate the reduction in energy consumption obtained through the use of synthetic oils, comparisons were made for controlled conditions during oil temperature stabilization, at constant speeds, during acceleration and under actual operating conditions. New methods of analysis were also developed and verified for on-road evaluation of the energy balance of a moving vehicle. Compared to the reference mineral oils, polyalphaolefin base synthetic oils reduced energy losses in a truck driveline and can also be expected to increase driveline component life.

CA EN SC TR

### Energy efficiency measures in the fishing fleet

by A. Berg. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 43 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5428) Originally published in Norwegian, by the Institute of Fishery Technology Research, at Tromsø, Norway  
ISSN 0704-3716  
MICROLOG 90-01518 1 fiche

Description and results of a program conducted from 1980-86 by the Norwegian Fisheries Research Council, to reduce the effect of increasing oil prices by assessing the influence of increasing oil prices on various fishing methods, and by developing and implementing methods for reducing the oil consumption of new and existing fishing vessels. The work was divided into operation of current vessels, new construction and rebuilding of vessels, and evaluation of changes in relative profitability

between groups in the fleet as a result of increases in oil prices. This report covers resistance, propulsion and operational control; machinery and system developments; tactical resource projections, recovery of waste heat, and operational instrumentation and measurements for fuel efficiency.

• CA CF EN FI SC

### Energy in Quebec, 1988

Quebec : Ministère de l'énergie et des ressources, 1988. 115 p. : ill. French ed. (*L'Energie au Québec*) : 90-01667/2  
CSI 66110.014. ISSN 0715-8793 ISBN 2-550-19348-2  
MICROLOG 90-01666 2 fiche

This annual report compiles all the essential statistical data on Quebec's energy sector, accompanied by analyses of the outstanding facts and trends of the past year. The first part deals with the Quebec energy sector in general, including data and information showing the developments in total energy demand and energy distribution according to sector; the share claimed by each form of energy; a comparison between Quebec's energy consumption and that of the rest of Canada and certain OECD countries; the relative efficiency of energy supply systems in Quebec and Ontario; changes in energy prices; an evaluation of the economic impact of the energy sector; electricity exports; price price developments in energy markets, the characteristics of demand; and energy economies. The second part deals with various energy industries, grouped according to the form of energy concerned (electricity, natural gas, oil and alternative energy sources) and energy consumption adjusted for variations in weather. Technical data specifically related to the 1986 energy balance sheet are provided in an appendix, including data on the energy supply structure of Quebec's economy and statistics on the distribution of energy per consumption sector.

EN PR QU SC ST

### Energy in Quebec, 1989

Quebec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 115 p. : ill., maps. French ed. (*L'Energie au Québec*) : 90-04732/2. CSI 66110.014E  
ISSN 0844-725X ISBN 2-550-20260-0  
MICROLOG 90-04731 2 fiche

Annual collection of data on Quebec's energy sector, accompanied by analyses of the outstanding facts and trends of the past year. The first half of the report deals with the energy sector in general, including data on developments in total energy demand and energy distribution according to consumption sector, the share claimed by each form of energy, a comparison between Quebec's energy consumption and the rest of Canada and certain OECD countries, the relative efficiency of energy supply systems in Quebec and Ontario, changes in energy prices, and an evaluation of the economic impact of the energy sector. The second half of the report deals with the various energy industries (electricity, natural gas, oil and alternative energy sources) and provides data on production, imports and exports, distribution, domestic consumption and refining.

EN PR QU SC ST

### Energy management and control

St. John's : Dept. of Mines and Energy, 1989. 2 p. : ill. (English)  
MICROLOG 90-03788 1 fiche

Summaries of 4 projects in energy management and control in Newfoundland. The projects include the use of a blanket on a community swimming pool, the use of capacitors wired to large motors at an arena, the use of instantaneous hot water heaters in a residential setting, and the use of a microprocessor-controlled energy management system in a

school building.  
AP EN PR SC

### Energy performance of R-2000 homes : a comparison of measured energy consumption with the R-2000 target and computer predictions for homes built to current building practice : technical report

prepared for the R-2000 Home Program, Energy Conservation Program, Energy Mines and Resources Canada. Ottawa : R-2000 Home Program, Energy, Mines and Resources Canada, Energy Conservation Branch, 1986. iv, 28 p. : ill. Bibliogr. (Technical report, 012-MR)  
MICROLOG 90-04602 1 fiche

The R-2000 super energy efficient home program is a cooperative industry/government initiative. This report presents the results of monitoring to measure energy consumption in a sample of R-2000 homes to determine whether the homes are performing to R-2000 energy targets and to compare consumption with energy predictions for the home if they had been built in accordance with the 1975 National Building Code and the 1978 Measures for Energy Conservation. Monitoring results are given for space heating, total annual energy consumption, and domestic water heating.

• CA EN PL PS SC

### Energy Québec -- Rev.

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 32 p. : ill. French ed. (*Le Québec énergétique*) on the same fiche ISBN 2-550-19751-8  
MICROLOG 90-04183 1 fiche

Booklet on the energy resources of Québec, particularly electricity. Also included are descriptions of the use of natural gas, oil and the petrochemical industry, as well as forms of alternative energy. Research ability is described, as well as research into future fuels such as hydrogen.

EN PR QU SC

### Energy Research and Development Program : Status report, 1988-89

Ottawa : Transport Canada, 1989. 49 p. : ill. Bibliogr. CSI 21123.003.  
MICROLOG 90-02159 1 fiche

Transport Canada's contribution to the federal government's Energy Research and Development program, administered by the multi-departmental Panel on Energy R&D, is directed at improving the energy efficiency and energy related environmental impact of all forms of transportation, promoting the understanding of problems and opportunities posed by the introduction of new forms of energy in transportation, and supporting the requirements for the transportation of energy commodities in frontier areas and in applications calling for advanced technologies. This annual report describes the work performed during the fiscal year 1988-89, funded under the specific programs of energy efficiency, transportation of coal, alternative transportation fuels, and the transportation of oil and gas.

CA EN SC TR

### Energy technologies : options for Prince Edward Island

by C. Macdonald. Charlottetown : Dept. of Energy and Forestry, 1989. 2 v. : ill. Contents Vol 1 : Part one -- vol. 2 : Part two ISBN 0-929043-00-6  
MICROLOG 90-04115 2 fiche

Course and book on energy technologies produced for students, covering the current energy situation on the Island, the conservation option, the use of wind, solar and hydro power; geothermal and nuclear options, and the use of biomass in the form of fuels, biomass-to-energy conversion systems, biomass energy



distribution systems and the future of the use of biomass.  
AP EN PR SC

### L'Enfance maltraitée -- Rév.

par M. Baker. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 22 p. Bibliogr. (Bulletin d'actualité ; 82-17F) L'éd. anglaise (*Child abuse*) sur la même fiche. ISBN 0-660-92769-1  
MICROLOG 90-03018 1 fiche

Une simple fessée ne cause généralement pas de lésion graves, mais au Canada, il existe un nombre appréciable d'enfants qui ont été gravement blessés ou même qui sont morts par suite de la brutalité de leurs parents ou de leurs tuteurs. De nombreux autres sont victimes d'abus sexuels de la part de parents, de voisins ou d'enseignants. Parmi les questions que soulève ce document, trois relèvent de l'intervention fédérale: la modification éventuelle du "Code criminel", l'utilisation d'un registre permettant d'identifier les auteurs de mauvais traitements infligés aux enfants et l'insertion dans le "Code criminel" de dispositions obligeant à déclarer les cas suspects.  
BS CA SA

### ENFOR review, 1989

ENFOR. Ottawa : Forestry Canada, 1989. iii, 28. iii, 31 p. *Bilingual* (Bulletin ENFOR, 1989) CSI 21137 003. ISSN 0714-5853 ISBN 0-662-57205-X  
MICROLOG 90-03285 1 fiche

Abstracts of recently issued ENFOR (ENergy from the FORest) reports as well as an updated list of ENFOR projects. ENFOR is a contract R&D program managed by Forestry Canada aimed at generating sufficient knowledge and technology to realize a marked increase in the contribution of forest biomass to Canada's energy supply. The program was initiated in 1987 as part of a federal interdepartmental initiative. The ENFOR program deals with biomass supply matters such as inventory, growth, harvesting, processing, transportation, environmental impacts, and socioeconomic impacts and constraints.  
• CA EN FO SC

### Engineered control parameter for automated mine ventilation : final report

by J.-P. Saindon. Pointe Claire, Que. : Centre de recherche Noranda, 1989. ix, 248 p. : ill. Bibliogr. CANMET contract: 79040-01-SQ.  
MICROLOG 90-03961 3 fiche

In 1986, Brunswick Mining, a large underground lead-zinc operation at Bathurst, New Brunswick, and Noranda Technology Centre initiated a program to improve the efficiency of underground ventilation. The ventilating project is composed of several related projects, all contributing to providing a quality working environment while reducing energy costs. One project is to automate the ventilation system to eventually provide the required amount of ventilation based on underground measurements of air quality, using CO<sub>2</sub> as the engineering control criterion. Phase I requires collecting and consolidating existing data, obtaining underground pollutant profiles through a field survey, and verifying CO<sub>2</sub> can be used alone or in combination with other pollutants as a control parameter. Phase II requires the definition of hardware, software and transmission requirements for an automated ventilation system. This report details Phase I and II work.  
• AP CA CM NR PS SC

### Engineering modifications to CANMET test ovens and related pilot plant facilities, part I : repair of Ottawa test ovens

by V.R. Marwaha, D.D. Cameron and J.C.

Botham. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1979. 14 p. : ill. Bibliogr. (Report ; ERP/ERL 79-47(TR))  
MICROLOG 90-04505 1 fiche

In the evaluation of coals for cokemaking in conventional slot-type ovens, it is mandatory that a coal or coal blend be carbonized in technical-scale coke ovens for realistic predictions of their performance in commercial practice. This report summarizes the major changes to the CANMET ovens during the preceding year.

• CA CM NR PS SC

### Engineering modifications to CANMET test ovens and related pilot plant facilities, part II : unattended operation of Ottawa test ovens

by V.R. Marwaha. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1980. ii, 12 p. Bibliogr. (Report ; ERP/ERL 80-40(TR))  
MICROLOG 90-04506 1 fiche

CANMET uses technical scale coke ovens for the evaluation of the properties of coking coals. One of these ovens had to be monitored during each test run for 18h by 2 men. If one of the men was absent, all tests had to be cancelled. Automation of this oven meant cancellation of the night shift and more efficient operation. This report summarizes the effort required to bring about this automated operation, detailing both the operations of the oven and the actions which needed supervision by staff.

• CA CM NR PS SC

### English as a second language, the New Brunswick project : an experiment in staged self-directed language acquisition

Fredericton : Ministère de l'éducation, Direction des programmes d'études, 1990. 28 p. : ill. Bibliogr. French ed. (*Projet expérimental d'auto-acquisition...*) on the same fiche. ISBN 0-88838-737-7  
MICROLOG 90-04065 1 fiche

Contains a brief non-technical introductory description of the comprehension-based ESL experiment in its present state.  
AP CU ED PR

### Engorgement des urgences : portrait statistique récent et données évolutives

par S. Montreuil et M.-R. Roy. Québec : Gouvernement du Québec, Ministère de la santé et des services sociaux, Direction générale de la planification et de l'évaluation, 1989. xiii, 107 p. : ill. (Données statistiques et indicateurs ; 3) CSI 66130.207. ISBN 2-550-20367-4  
MICROLOG 90-07282 2 fiche

Ce document présente avant tout le tableau général de la situation récente de l'engorgement des salles d'urgence pour chacune des cinq régions visées par les plans d'actions ministériels de mars et juin 1986. De plus, quelques données évolutives permettent de dégager des tendances de changement dans la problématique. En regard de l'évolution sur une longue période, une première section du document présente des points de repères tirés de l'étude évaluative du G.R.I.S. portant sur un échantillon de dix hôpitaux. Finalement, les points suivants sont examinés: les indicateurs d'engorgement, l'évolution de la situation et les comparaisons interrégionales.  
HE PR QU ST

### Enhanced hydrogen diffusion and removal techniques by electromigration

by K. Tashiro. Toronto : Ontario Hydro, Research Division, 1990. i, 11 p. : ill. Bibliogr.

(Report ; no. 90-51-K)  
MICROLOG 90-06098 1 fiche

The absorption of deuterium into zirconium is recognized as the current life limiting factor of Zr-2.5Nb pressure tubes. Large deuterium pickup rates are mainly found at the inlet and especially at the outlet ends while the remaining portion of the tube does not exhibit a large hydrogen concentration and therefore possess a large amount of remaining life. It could therefore be advantageous to redistribute this deuterium peak or remove it locally. This report describes the preliminary results of the effects of an electric field on hydrogen, including the magnitude of the effect and its potential applications as a removal technique.  
EN ON PR PS SC

### Enhancements to the Clarke and Wright algorithm via generalization and look-ahead

by J.-Y. Potvin. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 13 p. : ill. Bibliogr. (Publication ; no. 669)  
MICROLOG 90-01605 1 fiche

Two variants of the classical Clarke and Wright algorithms. One variant generalizes the savings measure by considering a larger neighborhood of the current solution. The other variant introduces a penalty (or look-ahead) factor aimed at reducing the 'myopic' behaviour of the classical approach. Computational results show that these two variants generate better solutions than the classical Clarke and Wright algorithm. In particular, the penalty approach generates solutions that compare favorably to the generalized approach.  
PR PS QU SC TR

### Enjeux des propositions récentes de réforme de la Loi sur la faillite

par B.-M. Papillon. Ottawa : Conseil économique du Canada, 1990. vii, 84 p. Bibliogr. (Document ; no 367) ISSN 0225-8021  
MICROLOG 90-06652 1 fiche (Available on fiche only)

Ce rapport présente une critique des propositions récentes de réforme de la loi sur la faillite. La loi sur la faillite est inscrite parmi les politiques visant à faciliter les échanges et à offrir un cadre à l'ajustement au sein de l'économie; ceci fournit une première base d'interprétation. Après une description sommaire des parties de la loi plus particulièrement touchées par les propositions récentes de réforme, le rapport présente un survol critique des objectifs de la loi et des réformes, tels qu'énoncés par les législateurs. A cette fin, le rapport retrace brièvement les origines de la loi actuelle.  
• CA CO

### Ennadai Lake project District of Keewatin : interim field report

by L.B. Aspler. Yellowknife : Canada-NWT Mineral Development Agreement, 1988. 7 p.  
MICROLOG 90-00943 1 fiche

This field report summarizes the results of ongoing mapping and economic evaluation of parts of the Ennadai Lake map sheet. It outlines the essential elements of the stratigraphy, sedimentology, structure, and economic geology of the belt of Archean and Proterozoic rocks extending from Kiyuk to Windy Lakes.  
CA NP NR PS SC

### Enoncé de mission de la Commission nationale des libérations conditionnelles

Canada. Commission nationale des libérations conditionnelles. Ottawa : la Commission, 1986. 12, 11 p. *Bilingue* (*Mission statement of the*



National...). ISBN 0-662-57076-6  
MICROLOG 90-01610 1 fiche

Cette Commission rend des décisions judiciaires sur la mise en liberté sous condition et formule des recommandations en matière de clémence. Afin de veiller à ce que des mesures soient prises en vue de la réalisation de sa mission, la Commission a établi un certain nombre d'objectifs stratégiques. Cela permet de transposer les valeurs fondamentales et les principes directeurs en objectifs concrets pour l'organisation. Ce document se penche sur la question et en ressort les grandes lignes.  
CA JU

### Enoncé des lacunes concernant l'étude d'impact environnemental des activités militaires aériennes au Labrador et au Québec

Ottawa : Commission d'évaluation environnementale au sujet des activités de vol militaire au Labrador et au Québec, 1990. 49 p. *L'éd. anglaise (Deficiency statement respecting...)* sur la même fiche.  
MICROLOG 90-04893 1 fiche

Le 31 octobre 1989, le ministère de la Défense nationale (MDN) a publié l'Enoncé des incidences environnementales de certaines activités aériennes militaires se déroulant au Labrador et au Québec (EIE). L'examen de l'EIE a pour but de permettre à la Commission de déterminer si ce dernier respecte chacune des exigences des Directives pour la préparation d'un Enoncé des incidences environnementales de certaines activités aériennes militaires se déroulant au Labrador et au Québec. Le document présente 38 de ces énoncés.  
CA EV EX NO SC

### Enquête dans le cadre de la Loi sur la négociation collective entre conseils scolaires et enseignants de l'Ontario

par M.R.L. Jackson. Toronto : Commission des relations de travail en éducation, 1988. 101 p. : ill. Bibliogr. ISBN 0-7729-5985-8  
MICROLOG 90-04212 2 fiche

Ce document a pour propos de faire un tour d'horizon de la nature du processus de l'enquête et d'en examiner l'efficacité en vertu de la 'Loi sur la négociation collective entre conseil scolaires et enseignants de l'Ontario'. On examine ce processus dans une perspective méthodologique, tactique et stratégique.  
ED LA ON PR

### L'Enquête de 1988 sur les étudiants étrangers dans les universités canadiennes

par J. De Vries et S. Richer. Ottawa : Secrétariat d'Etat du Canada, 1988. v. 45 p. *L'éd. anglaise (The 1988 survey...)* sur la même fiche. CSI 21120.006  
MICROLOG 90-00564 2 fiche

Le Colloque national sur l'enseignement postsecondaire, qui a eu lieu à Saskatoon en octobre 1987, a réuni des Canadiens de tous les secteurs de la société et leur a permis d'échanger leurs idées et leurs points de vue sur l'avenir de l'enseignement supérieur au Canada. L'une des questions soulevées fut celle des étudiants étrangers au Canada. Ce rapport a pour objectif de faire le point sur les raisons qui amènent des étudiants étrangers à choisir d'étudier au Canada, et de décrire l'expérience qu'ils vivent dans notre pays.  
CA ED EX ST

### Enquête nationale sur l'alcool au volant, 1988 : vue d'ensemble

Ottawa : Santé et bien-être social Canada, 1989. 19 p. : ill. *L'éd. anglaise (National*

*survey on drinking...)* sur la même fiche.  
CSI 21112.211. ISBN 0-662-95745-8  
MICROLOG 90-02402 1 fiche

L'Enquête nationale sur l'alcool au volant a été menée par téléphone en mars 1988 par Statistique Canada, au nom de la Direction de la promotion de la santé de Santé et bien-être social Canada. Pour cette enquête téléphonique, qui visait les personnes de 16 à 69 ans, on a utilisé la technique de composition automatique de numéros au hasard pour rejoindre des ménages à travers le Canada. Les personnes résidant au Yukon et dans les Territoires du Nord-Ouest ont été exclues, puisque ces régions requièrent des méthodologies d'enquête différentes. Il en a été de même pour les personnes qui résident en permanence en institution et, à cause de la méthodologie employée, les personnes qui n'ont pas le téléphone (environ 2 % de la population canadienne). Ce document présente les résultats de l'enquête.  
BS CA CI HE SA ST

### Enquête nationale sur l'alcool et les autres drogues : points saillants

Ottawa : Santé et bien-être social Canada, Direction générale des services et de la promotion de la santé, Direction de la promotion de la santé, 1990. xii, 43 p. : ill. Bibliogr. *L'éd. anglaise (National Alcohol and Other Drugs...)* sur la même fiche.  
CSI 21112.212. ISBN 0-662-96128-5  
MICROLOG 90-06515 2 fiche

Il y a un grand nombre de témoignages donnant à penser qu'une consommation abusive d'alcool et d'autres drogues nuit directement à un nombre important de Canadiens et indirectement à un plus grand nombre encore. Ce document vise à élucider les points suivants sur la consommation d'alcool et d'autres drogues: les caractéristiques nationales et régionales; les raisons qui poussent à la consommation; où et quand les gens consomment-ils; le rôle joué par des membres de la famille et des amis en ce qui concerne le comportement lié à la consommation; les conséquences de la consommation; les mesures prises face aux conséquences ou en prévision de celles-ci; et, les attitudes et opinions des Canadiens sur la consommation, et leur opinion sur les politiques inhérentes.  
BS CA SA ST

### Enquête spéciale du BCSA portant sur les services de la circulation aérienne au Canada : rapport interne

Ottawa : Bureau canadien de la sécurité aérienne, 1989. 312 p. : ill. Bibliogr. *L'éd. anglaise (Staff report on the CASB's...)* : 90-04003/4. ISBN 0-662-96014-9  
MICROLOG 90-04004 4 fiche

Ce document est divisé en plusieurs chapitres qui portent sur: le déroulement de l'enquête spéciale; la structure de l'espace aérien; les services de la circulation aérienne du Canada, le système ATS; l'analyse des incidents survenus au Canada; le matériel, le personnel et la charge de travail; la formation, la supervision; les procédures d'exploitation, les facteurs de performance humaine, la communication de l'information, la gestion; et les conclusions.  
CA SC TR

### Enquête sur l'attitude des étudiants à l'égard de l'entrepreneuriat et de la petite entreprise

par L. Allen. Toronto : Ministère de l'industrie, du commerce et de la technologie, Division des petites entreprises, du secteur tertiaire et des projets d'investissement, Direction des petites entreprises, 1989. 31, 31 p. : ill. (Défense des petites entreprises : rapport ; no 31) *Bilingue (Survey of student...)*.  
MICROLOG 90-03150 1 fiche

Ce document présente un compte rendu des résultats d'une enquête conduite auprès d'étudiants des écoles primaires et secondaires de l'Ontario. Ce rapport est basé sur un questionnaire donné en classe à plus de 900 étudiants de Toronto et de Thunder Bay en mai et juin 1989. Le rapport détermine comment les étudiants conçoivent les petites entreprises et ce qu'ils en savent, ce qu'ils pensent des propriétaires de petites entreprises, ce que ce serait d'être propriétaire ou employé d'une petite entreprise et si les petites entreprises entrent dans leurs projets d'avenir.  
BS CO ON PR

### Enquête sur la pêche au maquereau *Scomber scombrus* à la senne dans le sud du Golfe du Saint-Laurent

par A. Armelin...et al. Mont-Joli, Québec : Ministère des pêches et océans, Direction des sciences biologiques, Institut Maurice-Lamontagne, 1990. vi, 27 p. : ill. Bibliogr. (Rapport canadien à l'industrie sur les sciences halieutiques et aquatiques ; no 202) ISSN 0704-3708  
MICROLOG 90-06530 1 fiche

Un questionnaire fut réalisé afin d'étudier les activités de pêche des détenteurs de permis de pêche à la senne au maquereau du sud du Golfe et d'augmenter les connaissances sur la répartition du hareng juvénile que les pêcheurs de maquereau sont susceptibles de rencontrer. Ce rapport est donc le résultat de cette enquête, et ne touche que les résultats se rattachant au maquereau.  
CF FI PR QU SC

### Une Enquête visant les tarifs sur les textiles, vol. 1 : rapport

Ottawa : Tribunal canadien du commerce extérieur, 1990. xviii, 111, xvii, 99 p. : ill. Bibliogr. *Bilingue (An Inquiry...vol. 1...)*. ISBN 0-660-55687-1  
MICROLOG 90-04261 3 fiche

Dans une lettre du 6 février 1989, le ministre des Finances demandait au Tribunal canadien du commerce extérieur de conseiller le gouvernement sur la façon de réduire les tarifs sur les textiles pour les ramener à des niveaux comparables à ceux des autres pays industrialisés. Le Tribunal a donc lancé un programme ambitieux, d'une durée d'une année, comprenant des visites d'usines, des audiences publiques et des analyses auxquelles ont participé des centaines de représentants de l'industrie et d'associations industrielles ainsi que des agents de la recherche et des avocats. Ce document en présente les résultats.  
CA CO EX

### Une Enquête visant les tarifs sur les textiles, vol. 2 : recommandations détaillées et documents de référence

Ottawa : Tribunal canadien du commerce extérieur, 1990. vi, 150, v, 140 p. *Bilingue (An Inquiry into...vol. 2...)*. ISBN 0-660-55693-6  
MICROLOG 90-04262 4 fiche

Ce volume est divisé en deux parties qui portent sur les points suivants des renseignements sur les recommandations tarifaires: les recommandations du Tribunal, par ligne tarifaire, des détails sur la façon dont les droits spécifiques et composés ont été convertis en équivalents ad valorem; les listes complètes des propositions spécifiques soumises au Tribunal en ce qui a trait à l'élimination des tarifs ou à la réduction accélérée des tarifs en vertu de l'ALE; une variété de sujets et de facteurs traités par le Tribunal ainsi que des renseignements de base sur l'histoire et l'organisation de l'enquête; un résumé du programme de recherche; une série de notes documentaires portant essentiellement sur des questions techniques telles que le développement de données commerciales et la portée de l'enquête



fait par le truchement de questionnaires du TCCE; la série statistique utilisée dans les graphiques du rapport principal ainsi que des tableaux statistiques additionnels auxquels on se réfère dans le rapport principal; et, la liste des avocats, des témoins, des mémoires et des pièces à l'appui qui ont été déposés à titre d'éléments de preuve et une liste complète des documents de recherche préparés par le personnel.  
CA CO EX

### Enrolment and transported pupils report, 1989-90

Winnipeg : Manitoba Education, Schools' Finance Branch, 1990. 189 p. CSI 41107.003. MICROLOG 90-06257 2 fiche

Compiled from data submitted annually by teachers, superintendents from all school divisions, districts and private schools. Data represents the number of pupils attending public and private schools and students transported to school on buses for the same date.  
ED MS PR ST

### L'Enseignement des sciences et des mathématiques en Amérique du Nord : en progrès ou en déclin?

par G. Orpwood. Sainte-Foy, Québec : Gouvernement du Québec, Conseil de la science et de la technologie, 1990. 167 p. Bibliogr. (Document ; no 90.01) Cette traduction précède la version anglaise et, en annexe, le Conseil présente la version anglaise du rapport d'étude. ISBN 2-550-20566-9  
MICROLOG 90-04961 2 fiche

Ce rapport se subdivise en deux parties correspondant aux deux objectifs: l'étude de l'enseignement des sciences et des mathématiques et les mesures destinées à améliorer cet enseignement. La partie A traite de quatre types d'études: les études internationales, les études canadiennes et américaines réalisées à l'échelle nationale, ainsi que les études effectuées dans les provinces canadiennes. La partie B traite des mesures prises dans l'ensemble des Etats-Unis et du Canada, ainsi que de celles adoptées par les états et les provinces.  
ED PR PS QU SC

### L'Enseignement ouvert et la formation à distance au Canada

Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1990. 51, 46 p. (Guides pédagogiques des études canadiennes) Bilingue (Open learning...). ISBN 0-662-57210-6  
MICROLOG 90-06860 2 fiche

Ce guide porte sur l'enseignement ouvert et la formation à distance et fait partie d'une collection de huit ouvrages mis au point jusqu'à présent, à l'intention des personnes qui entreprennent l'étude d'un sujet particulier. Il a été rédigé par un spécialiste du domaine et comporte un exposé préliminaire, des observations sur les principaux travaux, ainsi qu'une liste de lectures recommandées. Il se penche particulièrement sur les points suivants: l'enseignement ouvert et la formation à distance, les principaux ouvrages canadiens; les lectures complémentaires; les périodiques, bibliographies et ouvrages de référence, les autres sources; la façon de trouver un fournisseur ou un distributeur; et, les sources de financement.  
CA ED

### L'Enseignement primaire et secondaire : perspectives, 1989-90

Québec : Gouvernement du Québec, Ministère de l'éducation, 1989. 18 p. ISBN 2-550-14812-6  
MICROLOG 90-02517 1 fiche

Ce document fait le point sur la situation en ce qui a trait à l'enseignement primaire et secondaire ainsi que les perspectives pour l'année 1989-90.  
ED PR QU

### Ensenando a los hijos de los pobres : un estudio etnográfico en América Latina

Ottawa : Centro internacional de investigaciones para el desarrollo, 1989. 175 p. : ill., maps. (Informe ; 253s) ISBN 0-88936-487-7  
MICROLOG 90-01101 2 fiche (Available on fiche only)

Abstract unavailable for this document.  
CA ED EX

### The Ensilage of capelin for fish feed as an alternative to freezing : an economic analysis -- Rev.

by K.E. Andersen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 124 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5266) Originally published in Norwegian, by the Institute of Fishery Technology Research at Tromsø, Norway. ISSN 0704-3716  
MICROLOG 90-02736 2 fiche

Financial analysis of using capelin ensilage as fish feed as an alternative for frozen capelin. The analysis includes technological, biological and financial data. A full cost estimation is used to determine the maximum price that can be paid for capelin to be used for ensilage and possible heat treatment. The profitability of investments in heat treatment equipment is also considered. An alternative method using lactic acid is also evaluated, and the maximum profitable price for lactic acid bacteria is calculated. A sensitivity analysis is also carried out involving changes in some of the most fundamental requirements underpinning the analysis.  
● CA CF FI SC

### Entente auxiliaire Canada-Québec sur le développement minéral : rapport d'activités pour la période 1985-88

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1988. 27 p. : ill. L'éd. anglaise (Canada-Quebec subsidiary...) sur la même fiche. ISBN 2-550-19132-3  
MICROLOG 90-03865 1 fiche

Le but de cette entente quinquennale (1985-1990) est de promouvoir la coopération et la coordination entre le gouvernement du Canada et celui du Québec. Avec un budget de 100 millions de dollars, cette Entente favorise la mise en oeuvre de mesures aptes à stimuler le développement minéral et à accroître l'incidence économique de l'industrie minière au Québec. Le document fournit des renseignements sur les objectifs de l'entente, la description des programmes, la gestion de l'entente, la revue des activités par programme, et la description détaillée des programmes.  
● CA NR PR QU SC

### Entente cadre de développement entre le Gouvernement du Québec et la région du Bas-Saint-Laurent

Québec : Gouvernement du Québec, Ministère du conseil exécutif, Office de planification et de développement du Québec, 1989. 173 p. ISBN 2-550-19958-8  
MICROLOG 90-02509 2 fiche

Lors de la conférence régionale tenue à Rivière-du-Loup, les 25 et 26 novembre 1989, les partenaires régionaux et le gouvernement du Québec ont convenu des orientations de développement qu'ils entendaient privilégier et se sont engagées à réaliser des projets structurants qui leur soient conformes. La présente entente-cadre, autorisée préalablement

par le Conseil des ministres et le Conseil régional de développement du Bas-Saint-Laurent, reproduit chacun de ces engagements, énonce les orientations de développement et prévoit des mécanismes de suivi innovateurs. Ces mécanismes ont un seul but: réaliser tous les engagements et, si possible, les bonifier au cours des quatre années que durera l'entente.  
CO PA PR QU

### Entente Canada-Manitoba sur l'exploitation minière : Rapport annuel 1989-90

Ottawa : l'Entente, 1989. 14, 14 p. : ill. Bilingue. CSI 32124.001.  
MICROLOG 90-02920 1 fiche

Ce document présente le rapport annuel de l'entente Canada-Manitoba sur l'exploitation minière 1988-89. Il porte sur les points suivants: les points principaux de l'entente; la description des secteurs de l'entente; le cadre de gestion pour la mise en oeuvre de l'entente; la liaison avec l'industrie; et, l'aperçu des activités de la cinquième année.  
CA CO MS NR PR SC

### Entente Canada-Ontario sur l'exploitation minière : Rapport annuel 1987-89

S.I. : l'Entente, 1989. 32, 28 p. Bilingue. CSI 32125.001. ISSN 0836-1495  
MICROLOG 90-04250 1 fiche

Ce document présente le rapport annuel de l'Entente Canada-Ontario sur l'exploitation minière pour 1987-1989. Il porte principalement sur: l'historique; les cinq domaines du programme; la structure administrative; les régions visées par l'Entente auxiliaire; le sommaire des activités; le sommaire des prévisions budgétaires 1985-1990; et, l'accès à l'information.  
● CA NR ON PA

### Entente de coopération Canada/Nouveau-Brunswick sur la planification

S.I. : l'Entente, 1990. 12 p. L'éd. anglaise (Canada/New Brunswick Cooperation...) sur la même fiche  
MICROLOG 90-03334 1 fiche

L'entente vise à établir une coordination entre les politiques, programmes ou activités de juridiction fédérale et de juridiction provinciale, y compris les mesures relatives au développement des ressources humaines. Elle vise aussi à fournir du soutien; à établir un énoncé des activités et des responsabilités de chaque gouvernement et le montant maximum devant être engagé par chacun; et, à préciser les ententes de partage des frais et les procédures de soumission et de remboursement des demandes de paiement entre les parties et prévoir des avances et des remboursements par voie de demandes de paiement périodiques.  
● AP CA PL SC

### L'Entente de principe sur la revendication territoriale globale des dénés et des métis

par W. Moss. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 17 p. (Etude générale ; BP-195F) L'éd. anglaise (Dene/Metis comprehensive land...) sur la même fiche. ISBN 0-660-92700-4  
MICROLOG 90-01889 1 fiche

Le 5 septembre 1988, le Canada a conclu une entente de principe avec la Nation dénée et l'Association des Métis des Territoires du Nord-Ouest pour régler les revendications foncières des quelques 8 000 Dénés et 5 000 Métis de la région visée. Ce document souligne certaines des dispositions de l'entente de principe avec les Dénés et les Métis et propose de brefs commentaires.  
CA NP PA



**Entente entre le gouvernement du Canada et le gouvernement du Nouveau-Brunswick relative à l'enseignement dans la langue de la minorité et à l'enseignement de la langue seconde, 1988-89 à 1992-93**

Ottawa : Gouvernement du Canada ; Fredericton : la Province, 1989. 14 p. *L'éd. anglaise (Agreement between the...) sur la même fiche*  
MICROLOG 90-04357 1 fiche

Contient le texte de l'Entente en français et en anglais.

AP CU ED PR

**Enterprising management : a progress report on IMAA**

Ottawa : Treasury Board of Canada, 1989. iv, 27, iv, 27, p. : ill. *Bilingual (Une Gestion dynamique...)*. ISBN 0-662-57011-1  
MICROLOG 90-02807 1 fiche

The report describes measures taken to create a management cadre, and details the steps taken to increase ministerial and managerial authority, reduce paper burden and enhance accountability.

CA PA

**Entreposage du fumier, du lisier ou du purin**

Québec : Ministère de l'environnement, 1990. 38 p.  
MICROLOG 90-06023 1 fiche

Afin d'obtenir un certificat d'autorisation qui permet de construire ou de modifier un établissement de production animale, les exploitants agricoles doivent, entre autres, respecter les dispositions du Règlement sur la prévention de la pollution des eaux par les établissements de production animale modifié par les règlements adoptés par les décrets 1536-84 du 18 juillet 1984 et 257-87 du 18 février 1987. Ce document se penche particulièrement sur les points suivants: la présentation des projets; les normes et exigences; les pratiques de gestion; la gestion du purin et des eaux contaminées; et la réglementation et la législation applicables.

• AG CA SC

**Environment and Economy : partners for the future : a conference on sustainable development : proceedings**

Environment and Economy : partners for the future conference (1989 : Winnipeg, Man.). Winnipeg : The Province, 1989. vi, 445 p. : ill. ISBN 0-7711-0862-1  
MICROLOG 90-04315 5 fiche

Proceedings of the conference, covering international aspects; policies and processes necessary; new methods for improved decision making; new approaches to resource allocation and utilization, attitudes and behaviour required; Canadian environmental business opportunities; financing; achieving sustainable regional development; management systems and skills; monitoring advances; environmental regulation and public participation; and sustainable development as it relates to the land, water, energy, manufacturing and retail, and agriculture sectors.

CO EV MS PR SC

**Environment and health : issues on the Toronto waterfront**

Royal Commission on the Future of the Toronto Waterfront (Canada). Environment and Health Work Group. Toronto : The Commission, 1989. 51 p. : ill., maps, fold. maps. Bibliogr. (Report , 1) *French ed. (Environnement et santé)* : 90-05810/2. ISBN 0-662-16539-2  
MICROLOG 90-05436 2 fiche

Report of one of the 5 working groups established by the Commission. This report addresses the issues of water quality for

fishing, swimming and drinking; lakefilling, heritage preservation; natural areas and wildlife; public involvement; and jurisdictions. The report is based on interviews with all 4 levels of government and of the public authorities responsible for various aspects of the Toronto waterfront; submissions from environmental, recreational and residents' associations; and a literature review.

CA EV HE MU ON PL SC

**The Environment and the economy : reconciling the conflicts**

by W.R.O. Aitken. Edmonton : Environment Council of Alberta, 1988. 6 p. *Presented at the Canadian Institute Conference on Environmental Law.*  
MICROLOG 90-07363 1 fiche

Contains the speech given by W.R.O. Aitken, Executive Vice President Inco Limited at the Canadian Institute Conference on Environmental Law, Toronto, Ontario, February 2, 1988.

AL CO EV PR SC

**Environment Council of Alberta : Annual report 1989**

Edmonton : The Council, 1990. 51 p. Bibliogr. *CS 35179 001*. ISSN 0705-5811  
MICROLOG 90-05186 1 fiche

Annual report of the Council, presenting information on the year's activities covering policy and program review, administration and other activities. A listing of public hearings and public advisory committees and their activities is given, along with a list of publications. A financial statement is included.

AL EV PR SC

**Environment in transition : a report on phase I of an environmental audit of Toronto's east bayfront and port industrial area**

Toronto : Royal Commission on the Future of the Toronto Waterfront, 1990. 137 p. : ill., maps. Bibliogr. (Report ; 10) *On cover: East bayfront and port industrial area : environment in transition.* ISBN 0-662-17847-5  
MICROLOG 90-04813 2 fiche

This report concludes the first phase of an environmental audit of Toronto's East Bayfront/Port Industrial Area. The area affected is bounded on the east by Ashbridge's Bay, on the north by Lakeshore Blvd. E., and on the west by Yonge St. The area consists entirely of lakefill. This report gives an historical background of the area, then details of the terrestrial, aquatic and the atmospheric environment, stewardship and accountability and the Phase II program.

CA EV MU ON SC

**Environment-economy integration : introducing the concept**

prepared for the Committees of Regional Executives, Environment Canada. Ottawa : Environment Canada, Conservation and Protection, Inland Waters/Lands, Lands, 1987. 16 p. Bibliogr. *French ed. (Intégration des considérations...) on the same fiche.*  
MICROLOG 90-06315 1 fiche

This publication discusses the environment-economy links, and offers a directive for action. It also examines federal economic instruments for environment-economy integration.

• CA CO EV SC

**Environmental aspects of river ice, section 1.4 : transport and mixing processes**

prepared for the NRCC Task Force on Environmental Aspects of River Ice ; by S. Beltaos. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 16 p. : ill. Bibliogr. (NWRI

contribution ; 89-158)  
MICROLOG 90-02444 1 fiche

This report is intended to become a part of a state-of-the-art report on environmental aspects of river ice. The river ice cover acts as a second boundary for the flow, thus increasing hydraulic resistance and changing the velocity profile. The report discusses the effects of the ice cover in the transport and mixing processes in light of the altered flow field. Major gaps in current knowledge are also identified.

CA EV SC

**Environmental Assessment Panel review of air transportation proposals in the Toronto area : issues raised during scoping but not included in the draft EIS guidelines**

Canada. Environmental Assessment Panel. Ottawa : Federal Environmental Assessment Review Office, 1990. 14 p.  
MICROLOG 90-06649 1 fiche

The Environmental Assessment Panel appointed to review Transport Canada's proposal to add runways at Lester B. Pearson International Airport has prepared draft guidelines for the preparation of an environmental impact statement (EIS). This document contains a discussion of the issues raised during scoping sessions with the public which were not included in the draft EIS guidelines. These issues include the relationship between the medium- and long-term plans; communications; short-term productivity and mitigation measures; and regional airports.

CA EV ON SC TR

**Environmental Assessment Panel Reviewing Military Flying Activities in Labrador and Quebec : compilation of comments received from technical experts concerning the Environmental Impact Statement**

Ottawa : Federal Environmental Assessment Review Office, 1989. 232 p. *Reports are in the language of presentation, English or French (Commission d'évaluation environnementale au sujet...)*.  
MICROLOG 90-06696 3 fiche

This report collects documents detailing deficiencies in the environmental assessment which was undertaken. Information includes the name of the reviewer, guideline section, Environmental Impact Statement page numbers, nature of the deficiency, and rationale. Deficiencies are also rated major or minor.

• CA EV EX NO SC

**Environmental audit guidelines for the petroleum industry**

a joint venture by Western Oilfield Environmental Services Ltd. ; and affiliates, Dominion Ecological Consulting Ltd., et al. Calgary, Alta. : Canadian Petroleum Association, 1989. 143 p. : ill. Bibliogr.  
MICROLOG 90-04403 2 fiche (Available on fiche only)

Generic guide for the establishment and implementation of a comprehensive environmental audit program for use by the upstream petroleum industry. The guide provides a generic description of how to set up and undertake environmental audits of facilities and activities to ensure compliance with regulations and with company policies to minimize liabilities; develops and describes the concept behind the auditing process, develops a fault-free analysis which can be custom-designed to meet the specific criteria of a given facility, develops a process which will ultimately allow environmental managers to monitor improvements (or decline) in compliance, develops a system which quantifies a company's or a facility's degree of compliance and the liability associated with non-compliance; and



facilitates a cost/benefit analysis for environmental compliance.

• CA EN EV SC

# **Environmental code of practice for treatment and disposal of waste discharges from offshore oil and gas operations**

Ottawa : Environment Canada, Environmental Protection Service, 1990. x, 85 p. Bibliogr. (Report ; EPS 1/PN/2) ISBN 0-662-16128-9 MICROLOG 90-02964 1 fiche

This Code identifies and recommends environmental protection practices for the offshore oil and gas industry. The document addresses all wastes potentially generated at offshore facilities including chemical additives utilized in drilling fluids and in treating wastes. Potential environmental concerns and alternative methodologies, technologies, practices and procedures designed to minimize adverse environmental effects from discharges are discussed. Recommendations are presented which are judged to be reasonable and practical for preserving the quality of Canada's marine environment with respect to discharges from oil and gas operations. The Code is intended to be used with the guidelines developed by the Canadian Oil and Gas Lands Administration.

• CA EN EV PA SC

# **Environmental codes of practice for steam electric power generation : construction phase**

Ottawa : Environment Canada, Environmental Protection Service, 1989. vii, 57 p. Bibliogr. (Report ; EPS 1/PG/3) French ed. (Code de recommandations...) : 90-00952/1. ISBN 0-662-17182-9 MICROLOG 90-00953 1 fiche

This is one of a series of documents being developed for the steam electric power generation (SEPG) industry under the provisions of the Canadian Environmental Protection Act. This industry includes fossil-fuelled stations (gas, oil and coal-fired boilers) and nuclear-powered stations (CANDU heavy water reactors). This document discusses environmental concerns associated with construction activities, including practices recommended for the protection of terrestrial and aquatic life, for the preservation of archaeological and historical resources, for erosion and situation control, for the control of wastewater discharges and spills, for the management of solid wastes, for the control of air pollution and noise, and for environmental auditing, monitoring, and reporting. These practices are intended to mitigate or eliminate adverse environmental effects due to construction or modification of SEPGs.

CA EN EV PS SC

# **Environmental databases for state of the environment reporting : Atmospheric Environment Service, Canadian Parks Service, Corporate Policy Group, Environment Canada regional offices**

by T. McRae. Ottawa : Canadian Wildlife Service, State of the Environment Reporting Branch, Strategies and Scientific Methods Division, 1990. ii, 161 p. Bibliogr. (Technical report series ; no. 16) MICROLOG 90-06380 2 fiche

State of the environment (SOE) reporting seeks to systematically analyse, describe and present credible, scientifically based information on environmental conditions and trends. In December 1988, an inventory was begun of Environment Canada databases of potential use to SOE reporting. This report summarizes the inventory's results for the Atmospheric Environment Service, Canadian Parks Service, Corporate Policy Group and Regional offices by identifying SOE-related databases held in those

responsibility centres.

CA EV PS SC

# **Environmental databases for state of the environment reporting : Conservation and Protection Headquarters**

by C.J. Keddy and T. McRae. Ottawa : Canadian Wildlife Service, State of the Environment Reporting Branch, Strategies and Scientific Methods Division, 1989. ii, 176 p. Bibliogr. (Technical report series ; no. 9) MICROLOG 90-03118 2 fiche

In December 1988, the State of the Environment (SOE) reporting branch began an inventory of Environment Canada databases of potential use to such reporting. The inventory represents an initial step towards the development of an SOE information system (database referral component) to be established by Statistics Canada. This report summarizes the inventory results for Conservation and Protection headquarters by identifying SOE related databases held in that responsibility centre. Database inventories are indexed by framework category and by responsibility centre.

• CA EV PS SC

# **The Environmental effects of sea water fish farms**

by J. Aure., et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 115 p. : ill., maps. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5481) Originally published in Norwegian, by the Institute of Marine Research at Bergen, Norway. ISSN 0704-3716 MICROLOG 90-00586 2 fiche

Investigation to determine the extent to which fish farms in the sea off the coast of Norway influence the water masses and the benthic conditions around the farm. Field investigations were carried out at 9 fish farms in Norway (SorTrondelag and Hordeland) located in closed or protected areas. The farms varied in the amount of fish produced and the type of food used. Background data on operational practices, hydrography, topography and current were taken from another study on pollution in the marine environment. Examinations of the sediment and the benthos were conducted at all 9 farms, with additional analyses of nutrient salts and sedimentation of organic material in open water and the littoral zone at 2 of the farms.

• CA CF EV FI SC

# **Environmental effects of special waste**

ELI Eco Logic Inc. Toronto : Ontario Waste Management Corporation, 1987. x, 293 p. : ill., maps. Bibliogr. MICROLOG 90-02958 4 fiche

This analysis considers the occurrence of toxic chemicals in the Ontario environment which come from special waste, defined by OWMC as liquid industrial and hazardous waste that cannot be handled effectively by conventional municipal treatment and disposal facilities such as sanitary landfills, municipal incinerators and sewage treatment plants. The most common chemicals originating from special waste (agricultural application of pesticides or naturally occurring compounds) which bioaccumulate in the food chain or bioconcentrate and persist in living organisms including human tissues are selected for intensive review. Exposure and observable effects on environmental species are then considered at the regional and local levels and cause-effect relationships are established where possible on wild species. Exposure pathways are analysed, including the human food chain. The reasons for environmental sources are explored, including the impact of current waste disposal practices, data on major

municipal and industrial sources, technological problems, current regulation enforcement practices, and regulatory change. EV ON PR SC

# **Environmental guidelines : northern seismic operations**

Hardy BBT Limited. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1988. iv, 34 p. : ill. Bibliogr. ISBN 0-662-16370-2 MICROLOG 90-03051 1 fiche

Handbook to assist hydrocarbon and mineral resource companies and geophysical contractors in the terms and conditions attached to their land use permits for seismic operations in northern Canada. Coverage includes land use permits and other applicable legislation; permafrost and its relationship to seismic operations in the north; and seismic operations in northern Canada sequentially from the planning stage through clearing and clean-up and restoration.

• CA EV NO NR SC

# **Environmental guidelines for decommissioning of service stations**

Petroleum Association for Conservation of the Canadian Environment. Environmental Quality Division. Ottawa : The Division, 1988. v, 20 p. (PACE report ; no. 88-5) MICROLOG 90-02795 1 fiche

These guidelines were designed to assist companies or individuals involved with the decommissioning of service station facilities. The term 'decommissioning' in these guidelines means dismantling, environmental cleanup and preparation for disposition of the property. The objective of an effective decommissioning program is to leave and/or sell properties in a condition that will be appropriate to the future land use of the site and surroundings and will provide to a vendor and purchaser information on the status of the site at the time of the sale.

• CA EN EV SC

# **Environmental guidelines for locating, constructing and operating hydrocarbon pipelines in Ontario -- 3d ed.**

Toronto : Ontario Energy Board, 1989. ii, 34 p. French ed. (Directives environnementales...) on the same fiche. ISBN 0-7729-5208-6 MICROLOG 90-04275 1 fiche

These guidelines are concerned mostly with route selection; preferred route analysis; impact mitigation; and enforcement, monitoring and safety.

EN EV ON PR SC

# **Environmental impact assessment : a planning tool for port development projects : the Canadian experience**

by G. Rivern. Ottawa : Federal Environmental Assessment Review Office, 1988. 27 p. : maps. Bibliogr. (Occasional paper ; no. 15) Contribution to the International Seminar on Environmental Impact Assessment, Port of Baltimore French ed. (L'Evaluation des incidences...) on the same fiche. MICROLOG 90-06135 1 fiche

Paper illustrating how the Vancouver Port Authority and the Quebec Port Authority used the environmental assessment review process as a planning tool to mitigate the environmental impacts of their proposals while optimizing the socio-economic and environmental benefits. The paper also demonstrates that because the process was applied early enough, the Port Authorities were able to modify their proposals to take into account public concerns and therefore make them more acceptable to all concerned while meeting their respective needs for expansion.

CA EV SC



**Environmental impact assessment in Canada : proposals for change**

by J.R. Robertson. Ottawa : Library of Parliament, Research Branch, 1989. 30 p. Bibliogr. (Backgrounder ; BP-219E) French ed. (*L'Évaluation environnementale...*) on the same fiche. ISBN 0-660-13496-9 MICROLOG 90-05367 1 fiche

Since the Rafferty Alameda decision, many groups have argued that environmental impact assessments should be required by the federal government for a variety of projects and proposals. The government has announced that it intends to introduce environmental assessment legislation in the near future. This paper outlines the provisions of the existing federal environmental impact assessment procedure and various recommendations and proposals that have been made for improving it.

CA CI EV SC

**Environmental impact assessment on the proposal by NB Power to construct a thermal generating station in Millbank, New Brunswick : summary report**

New Brunswick. Environment New Brunswick. Fredericton : The Dept., 1990. 11, 13 p. Bilingual (*Évaluation de l'impact...Millbank...*). MICROLOG 90-06526 1 fiche

The New Brunswick Electric Power Commission (NB Power) proposes to construct and operate a 4 X 100MW combustion turbine coal-burning thermal generating station at Millbank, N.B. NB Power submitted an environmental impact assessment as required under the Clean Environment Act. This summary was prepared to assist members of the public in understanding the issues and the findings of the study. The summary covers the purpose of the project, site selection, project description, the existing environment, the socio-economic environment, the impacts of construction and operation, monitoring, and public participation. AP EN EV PR SC

**Environmental impact assessment report for proposed open-pit mining project near Uspalquitch Lake**

prepared by Washburn & Gillis Associates Ltd. ; for Marshall Minerals Corp. ; submitted to the Dept. of Municipal Affairs and Environment. Fredericton : Washburn & Gillis Associates Ltd., 1990. xiii, 333 p. : ill., maps. Bibliogr. French ed. (*Rapport d'étude d'impact sur...*) : 90-06018/4. MICROLOG 90-06016 4 fiche

This report presents the results of an environmental impact assessment into the construction and operation of an open pit base metal mine located in northeast New Brunswick. The report includes the rationale for the proposed project and a description of alternatives considered for the development of the approach to environmental planning and assessment; a conceptual description of the proposed project and related socio-economic information; information on the biophysical setting, including an outline of the terrestrial and aquatic environment potentially affected by the project and a review of existing groundwater resources, geology, vegetation and wildlife; the mine development/construction impacts, focusing on the impacts associated with the construction; the mine operational impacts and mitigative measures; post-operation (reclamation) impacts; and the monitoring program during the construction, operation, and post-operation phases. AP EV NR PR SC

**The Environmental imperative : market approaches to the greening of Canada**

G. Bruce Doern, editor. Toronto : C.D. Howe

Institute, 1990. viii, 140 p. Bibliogr. (Policy study ; no. 9) *Papers presented at a conference on Environmental Policy and the Energy Industries in Alberta.* ISSN 0832-7912 ISBN 0-88806-255-9 MICROLOG 90-04257 2 fiche

Canada enters the 1990s in the midst of its first serious confrontation with the realities of good environmental policy-making. The papers in this volume are seen in the context of 6 features of the environmental policy process. Each deals with a central aspect of Canadian political and economic life - political parties and public opinion, markets and the choice of policy instruments, federal-provincial relations, environmental interests and policy consultation, problems of scientific and technological controversy, and the cabinet-bureaucratic decision process. ● CA CO EV SC

**The Environmental implications of road salting in Nova Scotia**

Halifax : Dept. of the Environment ; Dept. of Transportation and Communications, 1989. 40 p. : ill. Bibliogr. MICROLOG 90-06523 1 fiche

Brief overview of the environmental implications of the use of road salt, possible measures to alleviate this impact, and a review of current road salting practices in the province. Data given is for roads administered by the provincial agency only. Environmental impacts considered include groundwater and surface water contamination, effects on roadside vegetation, vehicle corrosion, and effects on roads, bridges and parking garages. AP EV PR SC TR

**Environmental improvements with urban development, False Creek, Vancouver, Canada**

MTR Consultants. Ottawa : Canada Mortgage and Housing Corporation, 1988. 33 p. Bibliogr. MICROLOG 90-01280 1 fiche

In response to public pressure to upgrade the environment, three government agencies undertook redevelopment responsibilities for a 150 hectare derelict industrial area adjacent to downtown Vancouver. This project is widely regarded as a major success in environmental improvement. A review of the 20 year redevelopment process, and the results of this process in achieving unique public objectives identifies five requirements critical to success. These key elements include: consolidated ownership, suitable time frame for project scale and context, extensive government commitment, process flexibility, and continued intergovernmental cooperation. BC EV MU PL SC

**Environmental monitoring of forestry control operations : 1988 report**

compiled by W.A. Sexsmith. Fredericton : Environment New Brunswick, 1989. v, 42 p. : maps. CSI 45112.005. MICROLOG 90-03482 1 fiche

This multi-disciplinary compilation is concerned mainly with the environmental monitoring of the spruce budworm and forest herbicide aerial spray operations in New Brunswick in 1988. This report consists of 9 reports dealing with operational, research and regulatory aspects of both spray programs. Pesticides investigated are fenitrothion and Bacillus thuringiensis, glyphosate, hexazinone, triclopyr, sulfometuron-methyl and metsulfuron-methyl. AP EV FO PR SC ST

**Environmental monitoring report for the Point Lepreau, N.B., Nuclear Generating Station, 1985-86**

by R.W.P. Nelson, K.M. Ellis and J.N. Smith. Dartmouth, N.S. : Bedford Institute of

Oceanography, 1988. vi, 175 p. : ill., maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 107) ISSN 0711-6774 MICROLOG 90-05156 2 fiche

The Point Lepreau environmental monitoring program was established to assess the environmental impact of radioactive, thermal and chemical releases from the Point Lepreau, N.B. nuclear generating station located on the Bay of Fundy. This report contains results for the 3d and 4th years of the operational phase. Special emphasis was placed on the characterization of the thermal plume, the distribution of tritium within different phases of the environment and the uptake of radionuclides in lichen, an efficient accumulator of atmospheric particulates. Radionuclide measurements made on samples collected during the operational phase of the reactor were compared to pre-operational activities to assess the impact of the operation of the station. This report also includes the AERU responses to a boiler tube leak at the Point Lepreau station starting in December 1985, and the accident at the nuclear power station in Chernobyl, USSR for which samples were collected at various locations in the Atlantic region to assess the environmental impact. ● AP CA CF EN EV FI SC

**Environmental operating guidelines for the Alberta petroleum industry**

David Bromley Engineering Ltd. Calgary. Alta. : Canadian Petroleum Association, 1988. 629 p. : ill., maps. Bibliogr. MICROLOG 90-04764 7 fiche (Available on fiche only)

This handbook begins by describing all the main regulatory bodies and the various divisions and approval procedures that make up these bodies, then addresses application procedures, permits and approvals and specific environmental guidelines for geophysical surveys and evaluation in exploration, drilling exploration and development, conventional and gas production facilities, pipelines, in situ heavy oil facilities, and development/operational activities such as access roads, stream crossings, reclamation and conservation, camp and camp operations, waste handling, noise, and abandonment and decommissioning. Appendices include relevant legislation, maps and directories for environmental parameters, pertinent contacts, and a glossary. A key word index is also included. ● AL CA EN EV SC

**Environmental quality of receiving waters at United Keno Hill Mines Ltd., Elsa, Yukon**

by D. Davidge and G. Mackenzie-Grieve. Ottawa : Environment Canada, Conservation and Protection, Environmental Protection Service, Pacific Region, 1989. viii, 99 p. : ill. (Regional program report ; 89-04) MICROLOG 90-03114 2 fiche

An investigation of water quality, stream sediments and aquatic invertebrate populations was carried out July 9-10 and August 21-22, 1985 in the South McQuesten River watershed in the vicinity of United Keno Hill Mine at Elsa, Yukon to determine if any significant impact from the mining and milling operations was detectable in the receiving waters of Flat Creek, Christal Creek and the South McQuesten River. The information from this survey is compared with that from 2 previous surveys conducted in 1974/75 and in 1980. The parameters found to exceed recommended levels for drinking water or which are known to be toxic to freshwater invertebrates and fish are identified and discussed. Pollution trends which can be attributed to mine activities are also identified. ● CA EV NO NR SC



**Environmental radioactivity in Canada, 1987**

Ottawa : Health and Welfare Canada, Environmental Health Directorate, Health Protection Branch, 1988. 49 p. : ill. maps. CSI 22140.001 ISBN 0-662-16552-7 MICROLOG 90-00469 1 fiche

The radiological surveillance program of the Department of National Health and Welfare is conducted to determine levels of environmental radioactivity in Canada and to assess the resulting population exposures. The report is prepared as a summary of work in progress, and as a means of publishing the results of ongoing programs. Special studies reported on included the evaluation of the contamination by cesium-137 of caribou, a major source of food in northern communities; the development of methods for the determination of radon, carbon-14, polonium-210, radium-228 and isotopic uranium in samples; and monitoring of fallout contamination from Chernobyl of imported foods. Environmental monitoring programs conducted included external radiation exposure, tritium in water vapour, gross beta radioactivity, and monitoring of air, drinking water, precipitation and milk. A list of reports and presentations is also included.

CA EV HE SC ST

**Environmental Studies Research Funds (Canada) : Annual report 1989**

Ottawa : The Funds, 1990. 15, 20 p. Bibliogr. Bilingual. CSI 22119.003. MICROLOG 90-03338 1 fiche

Annual report of the Funds, giving highlights of activities in the year, the structure and operation of the funds, the 1989 study program, and publications. A summary of the forum on future directions in oil spill research is also given. A list of reports in sediment transport, marine environmental effects and monitoring, icebergs, oil spill research and countermeasures, sea bottom ice scour, socio-economic issues north, east and west, waves, and northern terrestrial and freshwater environment are also included.

• CA EN EV SC

**L'Environnement à l'heure de la concertation**

Ottawa : Environnement Canada, 1990. 29, 31 p. Bilingue (A Framework for discussion...). ISBN 0-662-57411-7 MICROLOG 90-06301 1 fiche

Ce document est en trois parties. La première pose le problème à l'échelle nationale et planétaire. La deuxième propose une politique de longue haleine pour appliquer le développement durable au Canada, et aborde l'amélioration des mécanismes de décision. La troisième partie expose la nécessité d'une action concertée pour vaincre les principales sources d'inquiétudes que les Canadiens entretiennent pour leur environnement et leur santé : substances toxiques, catastrophes écologiques, changements atmosphériques et qualité de l'eau.

CA EV SC

**Environnement et santé : questions liées au secteur riverain de Toronto**

Commission royale sur l'avenir du secteur riverain de Toronto (Canada). Groupe de travail sur l'environnement et la santé. Toronto : la Commission, 1989. 176 p. : ill., cartes géogr. Bibliogr. (Publication ; no 1). L'éd. anglaise (Environment and health...) : 90-05436/2. ISBN 0-662-16937-9 MICROLOG 90-05810 2 fiche

Le Groupe de travail sur l'environnement et la santé fait partie des cinq groupes créés, en septembre 1988, par le Comité intergouvernemental du secteur riverain pour examiner les diverses questions se rapportant au mandat de la Commission royale sur

l'avenir du secteur riverain de Toronto. Ce groupe est chargé d'effectuer un survol des plans et initiatives actuels dans ce domaine, d'examiner les problèmes que tous les ordres de gouvernement devaient résoudre pour que le potentiel du secteur riverain de Toronto puisse être exploité au maximum et de déterminer les nouvelles possibilités qui pourraient se réaliser s'il y avait une plus grande coordination entre les divers gouvernements et autorités publiques, ce sur quoi ce document porte principalement.

CA EV MU ON PL SC

**Enzymatic hydrolysis of phospholipids in cod flesh during storage in ice**

by T. Ohshima, S. Wada and C. Koizumi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 17 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5144). Originally published in Japanese, by Nihon Suisan Gakkai at Tokyo, Japan. ISSN 0704-3716 MICROLOG 90-00120 1 fiche

Detailed discussion of changes of phospholipids in cod flesh stored in ice, using a method for estimating fatty acid combinations of phosphatidylcholine (PC) and phosphatidylethanolamine (PE) in fish.

• CA CF FI LS SC

**EPA in the lipids of Redfish**

by H. Tsuyuki. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 27 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5226). Originally published in Japanese, in Japan. ISSN 0704-3716 MICROLOG 90-02683 1 fiche

The lipids of fish contain the highly unsaturated fatty acids eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) not found in vegetable oils or in the fat of land animals. These 2 acids change into useful prostaglandin, demonstrated in recent studies to prevent heart disease. This paper describes the safety of EPA, the source of EPA in redfish compared with the amount available in whitefish, the composition of redfish lipids and fatty acids, the EPA and DHA of redfish lipids, and the proper consumption of redfish.

• CA CF FI LS SC

**L'Eperlan arc-en-ciel *Osmerus mordax* anadrome de l'estuaire du Saint-Laurent : synthèse des connaissances et problématique de la restauration des habitats de fraie dans la rivière Boyer**

par J.A. Robitaille et Y. Vigneault. Québec : Ministère des pêches et des océans, Division de l'habitat du poisson, 1990. vi, 56 p. : ill., cartes géogr. Bibliogr. (Rapport manuscrit canadien des sciences halieutiques et aquatiques ; no 2057). ISSN 0706-6589 MICROLOG 90-03440 1 fiche

Ce rapport contient des renseignements scientifiques et techniques qui constituent une contribution aux connaissances actuelles, mais qui traitent de problèmes nationaux ou régionaux. Ce document présente la problématique de la restauration de l'éperlan arc-en-ciel de la rivière Boyer. Il résume l'état des connaissances sur cette population, évalue sommairement les explications possibles de son déclin et propose un plan pour sa restauration.

• CA FI NR SC

**Epidemiologic assessment of acute poisoning incidence in developing countries : report of an International Development Research Centre/International Program for Chemical Safety scientific group**

edited by Gilles Forget. Ottawa : International Development Research Centre, 1989. 55 p. : ill. Bibliogr. (Manuscript report ; 219e). French ed. (Evaluation épidémiologique de l'incidence...) : 90-00273/1. Spanish ed. (Análisis epidemiológico de la frecuencia...) : 90-00331/1. MICROLOG 90-00249 1 fiche (Available on fiche only)

Report on poisoning, providing general guidelines for measuring the incidence of and the mortality of poisoning; definitions of cases of acute poisoning; variables of interest, such as host characteristics, characteristics of agents, and environmental circumstances; the population at risk; data collection, sources and strategies; and methods of data analysis. Part 2 provides specific guidelines for the preparation of a protocol to assess the incidence of acute poisoning from hospital data.

CA EX HE LS SC

**Epidemiology and statistics in diarrhoea research**

by N.J.D. Nagelkerke, F. Manji and J. Muttunga. Ottawa : International Development Research Centre, 1990. 60 p. Bibliogr. (Manuscript report ; 246e). MICROLOG 90-03212 1 fiche (Available on fiche only)

Description of various methods of conducting epidemiological studies on the incidence of diarrhoea. The report covers a description of the incidence of diarrhoea and its causes in developing countries, notes on study design, types of studies (intervention, case-control), sampling, data analysis, and sample size calculations. Information is also given on calculating duration distributions of incident cases, questionnaire design, randomization, protocol design, relational databases, tests for Poisson distribution, and derivation of sample size formula.

CA EX HE SC

**Epigrowth organisms on reared larvae of the European lobster *Homarus gammarus***

by T. Dale and G. Blom. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 11 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5400). Originally published in Norwegian, at Oslo, Norway. ISSN 0704-3716 MICROLOG 90-01542 1 fiche

Lobster culture experiments have been carried out in Norway since the 1860s, but there is still only one commercial installation for rearing lobsters and one for crayfish in operation. While many systems for rearing lobster have been described, it appears that many basic biological studies still remain to be done to improve the rearing process. This paper reports on some epibiotic organisms that were found on lobster larvae during a rearing experiment.

• CA CF FI LS SC

**Equal Pay : collective bargaining and the law : background paper**

Ottawa : Labour Canada, 1987. 50, 50 p. Bibliogr. Prepared for the seminar, Equal Pay : collective bargaining and the law. Bilingual (Un Salaire égal...document). MICROLOG 90-02833 2 fiche

This paper examines the concept of equal pay for work of equal value and the problems it can remedy. It reviews international, federal, and provincial equal value laws and the past



and present implementation efforts in Canada through various means including the filing of complaints and collective bargaining. Finally, it raises some issues and considerations for future implementation of the principle.  
CA CI JU LA

**Equal Pay : collective bargaining and the law : conference speeches**

Equal Pay : collective bargaining and the law (1987). Ottawa : Labour Canada, 1987. 45, 49 p. *Bilingue (Un Salaire égal...)*. ISBN 0-662-55641-0  
MICROLOG 90-02832 2 fiche

This document contains speeches which were delivered at a seminar held February 3-4, 1987. The papers address the origins of sex discrimination in wages, union responsibilities for pay equity in Canada, and the Minnesota experience for equal pay legislation.  
CA CI LA

**Equal pay for work of equal value legislation in Canada : an analysis**

by H.E. Conway. Ottawa : Institute for Research on Public Policy, 1987. 47 p. Bibliogr. (Discussion paper ; 87.C.2)  
MICROLOG 90-03777 1 fiche

The purpose of this paper is to provide an overview and analysis of existing pay equity legislation in Canada, and to provide some insight into the problems and issues related both to its design and its implementation. It includes a contextual background indicating the source of the impetus for legislated pay equity; namely, the persistence both of the wage gap and of occupational segregation.  
• CA CI JU SA

**Equality for women : a five year plan of action, 1985-89 : progress report to March, 1987**

Yellowknife : Minister Responsible for Status of Women, 1989. 47 p.  
MICROLOG 90-02668 2 fiche

The Plan sets out a series of specific actions which the Government of the N.W.T. would undertake in order to achieve equality in a variety of areas during the 5-year life of the Plan. The various action items fall under six priority areas: integrating status of women concerns into government plans, policies, and programs; employment; education; health; and women in public life and legislation.  
NO NP PR SA

**Equality, excellence and efficiency : a postsecondary educational agenda for the future**

St. John's : Dept. of Education, 1990. 26 p. : ill.  
MICROLOG 90-03318 1 fiche

The paper contains the main policy directions proposed by the government, as well as a number of major initiatives that will be started in the near future.  
AP ED PR

**Equine infectious anemia : swamp fever**

by R.G. Wright. Toronto : Ministry of Agriculture and Food, 1989. 4 p. (Factsheet ; no. 89-114) ISSN 0225-7882  
MICROLOG 90-00836 1 fiche

This viral disease occurs in all members of equidae, including horses, mules, and donkeys. This document provides information on the virus concerning its occurrence, transmission, characteristics, treatment, prevention, and regulations.  
AG ON PR

**Equipement motorisé : mécanique agricole d'entretien et de réparation : étude préliminaire**

Québec : Ministère de l'éducation, Direction de

la formation professionnelle, 1989. 4 p.  
ISBN 2-550-14806-1  
MICROLOG 90-02010 1 fiche

Les études préliminaires ont pour but d'établir la pertinence d'élaborer ou de réviser un programme de formation professionnelle. Elles permettent de définir les besoins de formation, de cerner la clientèle cible et de préciser la situation de travail dont il est question. Elle permettent également de consulter les études déjà réalisées, de répertorier la documentation disponible, d'anticiper les effets de l'implantation du programme et d'arrêter une planification des productions à venir. Ce document se penche particulièrement sur la mécanique agricole d'entretien et de réparation.  
AG PR QU SC

**L'Équité d'emploi : un bibliographie commentée**

Toronto : Direction générale de la condition féminine de l'Ontario, 1990. 12, 16 p. *Bilingue (Employment equity...)*.  
MICROLOG 90-06995 1 fiche

Le rapport est divisé en deux sections. La première partie étudie en profondeur ce qu'est l'égalité en matière d'emploi et la situation des groupes à l'étude sur le marché du travail. Dans un deuxième temps, le rapport examine des moyens de diminuer l'impact de certains obstacles rencontrés par les quatre groupes, notamment dans le domaine de l'enseignement et de la formation, et de la garde des enfants. Les programmes volontaires et les mesures obligatoires d'équité d'emploi sont examinés et les raisons pour lesquelles la Commission recommande l'adoption de mesures obligatoires sont présentées.  
LA ON PR

**Équité d'emploi pour les femmes des minorités visibles : guide l'intention des employeurs**

Toronto : Urban Alliance on Race Relations ; Direction générale de la condition féminine de l'Ontario, 1990. iii, 45, iii, 40 p. *Bilingue (Employment equity for visible...)*.  
MICROLOG 90-04821 2 fiche

Dans le cadre du programme Agents de changement, le but de ce guide est d'encourager la pratique de l'équité d'emploi dans le secteur privé. Il s'adresse à des employeurs de petites et moyennes entreprises (300 employées et employés au maximum). Le guide traite des obstacles à l'emploi auxquels se heurtent les femmes des minorités visibles. Aux employeurs qui sont bien disposés envers les femmes des minorités visibles et qui les acceptent, il fournit des suggestions pratiques pour concevoir et maintenir une politique d'équité en milieu de travail.  
LA ON PR SA

**L'Équité en matière d'emploi, mise en application : analyse organisationnelle**

Toronto : Direction générale de la condition féminine de l'Ontario, 1990. 27 p. Bibliogr. *L'éd. anglaise (Managing employment...organizational...)*. ISBN 0-7729-2470-8  
MICROLOG 90-04833 1 fiche

Cette analyse porte principalement sur ce qui suit: la confirmation de la volonté d'agir de la haute direction; l'attribution des responsabilités au personnel; l'évaluation du contexte corporatif; l'élaboration d'une stratégie de communication; la collecte des données sur l'emploi; et, l'examen des politiques et méthodes relatives au personnel.  
LA ON PR

**L'Équité en matière d'emploi, mise en application : aperçu**

Toronto : Direction générale de la condition féminine de l'Ontario, 1990. 9 p. : ill. Bibliogr. *L'éd. anglaise (Managing employment...overview)* sur la même fiche.

ISBN 0-7729-2470-8  
MICROLOG 90-04834 1 fiche

Ce document porte sur les points suivants: l'établissement de priorités; la préparation de buts, d'un calendrier et de ressources; la mise au point de systèmes objectifs; la mise en place de mesures spéciales; l'attribution de responsabilités et l'obligation de rendre des comptes; et, l'identification de systèmes de contrôle.  
LA ON PR

**L'Équité en matière d'emploi, mise en application : changement organisationnel et répercussions sur l'organisation**

Toronto : Direction générale de la condition féminine de l'Ontario, 1990. 22 p. Bibliogr. *L'éd. anglaise (Managing employment...organizational...)* sur la même fiche. ISBN 0-7729-2470-8  
MICROLOG 90-04835 1 fiche

Présente un plan d'équité d'emploi préparant le terrain en prévision des modifications à apporter à l'organisme. Par conséquent, il vise à: identifier et éliminer toute discrimination; remédier à la discrimination antérieure; faire en sorte que les groupes cibles soient représentés de façon équilibrée dans tout l'organisme; et, réduire l'écart salarial entre les hommes et les femmes.  
LA ON PR

**L'Équité en matière d'emploi, mise en application : introduction**

Toronto : Direction générale de la condition féminine de l'Ontario, 1990. 9 p. Bibliogr. *L'éd. anglaise (Managing employment...introduction...)* sur la même fiche. ISBN 0-7729-2470-8  
MICROLOG 90-04831 1 fiche

Ce fascicule est le premier d'une série de publications sur l'équité en matière d'emploi préparées par la Direction générale de la condition féminine de l'Ontario. On y précise ce que l'on entend par équité en matière d'emploi. On propose aussi un vaste éventail de mesures visant à améliorer la situation de personnes appartenant à différents groupes cibles: les femmes, les personnes handicapées, les autochtones, les immigrants et les minorités visibles.  
LA ON PR

**L'Équité en matière d'emploi, mise en application : lois et règlements, guide de l'employeur**

Toronto : Direction générale de la condition féminine de l'Ontario, 1990. 14 p. Bibliogr. *L'éd. anglaise (Managing employment...legislation...)* sur la même fiche.  
MICROLOG 90-04832 1 fiche

Dans ce fascicule, on présente aux employeurs ontariens les lois régissant l'emploi et l'équité. De plus, on examine les principales lois provinciales et fédérales qui concernent les femmes et leur milieu de travail. Finalement, on trouve des sources de renseignements complémentaires et une liste de ressources.  
JU LA ON PR

**L'Équité salariale dans les petites entreprises**

Toronto : Commission de l'équité salariale, 1989. 106 p. *French ed. (Pay equity in small...)* 90-04594/2 ISBN 0-7729-6212-X  
MICROLOG 90-06514 2 fiche

Le 1er janvier 1988, la Loi sur l'équité salariale est entrée en vigueur en Ontario dans le but d'éliminer la portion des écarts salariaux entre les hommes et les femmes qui sous-évaluent le travail accompli par les femmes dans la province. Ce guide explique brièvement l'équité salariale et aborde certaines questions de mise en oeuvre propres aux petites entreprises. Il fournit également des



exercices pour aider à élaborer son propre système ainsi que des conseils sur la façon de discuter de l'équité salariale dans une entreprise. Finalement, il donne des renseignements relatifs aux emplois et examine un système de comparaison des emplois dans les petites entreprises.  
CO JU LA ON PR

### Equity capital and economic development in Newfoundland and Labrador

Economic Council of Newfoundland and Labrador, Ottawa : Economic Council of Canada, 1989. xii, 47 p. Bibliogr. (Local development paper ; no. 8) ISSN 0225-8013 MICROLOG 90-04060 1 fiche (Available on fiche only)

Current approaches to economic development are placing more emphasis on the encouragement of entrepreneurship and stimulation of enterprise as a means to achieve self-reliance. In Newfoundland, small- and medium-sized enterprises (SMEs), as part of a balanced economic development strategy, can play an important role in moving the provincial economy toward this objective. However, one of the key requirements for the development of new and existing SMEs is equity capital. This study identifies and analyzes the market for equity capital in Newfoundland and discusses and recommends measures to stimulate demand and supply.  
● AP CA CO

### An Equity financing vehicle for growth companies

by L.R. Ganong. Toronto : Ministry of Industry, Trade and Technology, Small Business, Service Industries and Capital Projects Division, Small Business Branch, 1989. iii, 28 p. Bibliogr. (Small business advocacy report ; no. 29) MICROLOG 90-01835 1 fiche

This document presents information on financing growing companies; the need for an equity financing incentive; features of an equity financing vehicle; options including the Ontario Stock Saving Plan, the Small Business Development Corporations Program, and the Small Business Investment Company Program; program elements, and costs and benefits.  
CO ON PR

### Ergonomic assessment of information and communication systems for travellers with disabilities

prepared for the Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by Tom Geehan and Ulrika Wallersteiner, TransVision Consultants Limited and Ergo Systems Canada Inc. ; in association with the Canadian Association of Disability Communicators. Vancouver, B.C. : TransVision Consultants Limited ; Ergo Systems Canada Inc., 1989. xviii, 140 p. : ill. Bibliogr. MICROLOG 90-04081 2 fiche

Study identifying and assessing the effectiveness of existing traveller information and communication systems in relation to those travellers with physical, visual, hearing and cognitive disabilities. Information was obtained by a literature review, interviews with transportation operators and authorities, simulated travel scenarios with individual with disabilities, and in-depth focus group sessions. Existing traveller information systems were reviewed, traveller information requirements defined, deficiencies in current systems identified, and opportunities for improvements delineated. Recommendations are included.  
CA SA SC TE TR

### Ergonomic issues within a health care setting, I : resident lifting and handling tasks

Toronto : Ministry of Labour, Special Studies and Services Branch, Safety Studies Service, 1987. 18 p. Bibliogr. MICROLOG 90-01245 1 fiche

Health care workers have a particularly high incidence of low back pain and this is related to the heavy physical demands of the work. This report explains lift and transfer techniques, load and biomechanical variables, worker variables, life and transfer aids and assists already available, specific techniques to be used, written procedures, resident assessment for medical care, incident and injury data, and maintenance of mechanical devices used.  
HE LA ON PR

### Ergonomically designed workstation for training of electronic systems maintenance technicians

by Sypher/Mueller International ; in association with Socioscope Inc., et al. Montreal : Transportation Development Centre, 1988. 2 v. : ill. Bibliogr. Contents: Vol. 1 : Literature review -- vol. 2 : Baseline analysis, input devices, design recommendations and development of training workstation. MICROLOG 90-01738 4 fiche

Vol. I of this study is a comprehensive literature review summarizing the current state of knowledge and practice of the ergonomic design and use of workstations and the ergonomics of computer aided learning. The literature review includes the ergonomics of computer workstations; currently accepted ergonomics standards and norms for workstation design and use; and the ergonomics of computer aided learning. Vol. II contains 4 task reports, covering baseline analysis of typical training tasks to be performed at training workstations; input devices for interactive computer stations; design recommendations; and development of a training workstation.  
CA LA PS SC

### Ergonomics : a basic guide

by I. Stones. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. ii, 25 p. : ill. Bibliogr. French ed. (Principes ergonomiques...) on the same fiche. ISBN 0-660-13097-1 MICROLOG 90-02162 1 fiche

The aim of ergonomics is to create effective workplaces and to help prevent work-related health problems through proper workplace and job design. This report describes ergonomics in relation to human characteristics, body position and movements, work stations, chairs, standing work stations, displays and controls, tools, manual material handling, environment, work schedules, training programs, and job design.  
● CA LA SC

### Ergonomics for workplaces with visual display terminals

by I. Stones. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. ii, 11 p. : ill. Bibliogr. French ed. (Principes ergonomiques applicables...) : 90-02161/1. ISBN 0-660-13334-2 MICROLOG 90-03614 1 fiche

This publication is part of a series on ergonomics prepared as a source of information for health and safety committees. The publication describes the health hazards from wrong positioning, poor lighting, and repeated focusing of the eyes, and provides methods of prevention such as adjustability, visual demands and job design. Considerations in choosing proper VDTs and work stations are also included.  
● CA LA PS SC

### L'Ergonomie cognitive des systèmes informatiques : état de la question et pistes de recherche

par L. Giroux et S. Larochelle. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. v, 154 p. Bibliogr. MICROLOG 90-02315 2 fiche

L'étude présente l'état actuel des travaux dans ce nouveau domaine qu'est l'ergonomie cognitive des systèmes informatiques. Le rapport décrit les principaux problèmes ergonomiques que posent les nouvelles technologies informatiques, de même que les méthodes utilisées pour les résoudre et les résultats qui ont été obtenus. Enfin, les auteurs suggèrent des pistes de recherche susceptibles de faire progresser les connaissances en ce domaine. Le rapport comporte six chapitres. Les deux premiers chapitres situent l'ergonomie cognitive parmi les autres champs d'investigation scientifique et en décrivent la problématique générale. Les chapitres présentent successivement chacune des grandes composantes de l'interaction humain-ordinateur: le système informatique, l'utilisateur humain et la tâche. Au dernier chapitre, on formule quatre recommandations de recherche.  
CA LA SC TE

### Erosion of nickel aluminide

by A.W. Lui and J. McGoey. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. ii, 10 p. : ill. Bibliogr. (Report ; MTL 89-30(TR)) MICROLOG 90-03374 1 fiche

Nickel aluminide (Ni3Al) was developed as a substitute for Cr-containing alloys used as structural materials for high-temperature application. This report investigates the effect of erosion temperature and oxygen potential of environment on erosion behaviour of the material. The report also investigates whether the alloy behaves as a ductile or brittle material during high temperature erosion and its erosion resistance compared with that of SS304 and alloy 800H.  
● CA CM NR PS SC

### Erosion-corrosion of Bruce 'A' blowdown lines during chemical cleaning

by A.M. McKay. Toronto : Ontario Hydro, Research Division, 1989. vii, 42 p. : ill. (Report ; no. 89-133-K) MICROLOG 90-00420 1 fiche

In a Bruce Nuclear Generating Station 'A' steam generator tubesheet chemical clean, the solvent must enter and exit the steam generator through the blowdown lines because design limitations prohibit any other access. These blowdowns are 1" or 1 1/2" pipe and are composed of various Inconel and carbon steel alloys. The combination of flow rates, pipe size, configuration, and materials may make the blowdown system susceptible to flow assisted corrosion, commonly called erosion-corrosion. The purpose of the tests described in this report was to determine if erosion/corrosion could occur.  
EN ON PR PS SC

### An Error sensitivity model for Doppler positioning using Transit satellites

by J.C. McMillan. Ottawa : Defence Research Establishment Ottawa, 1989. xiii, 132 p. : ill. Bibliogr. (Report ; no. 1015) MICROLOG 90-01633 2 fiche

Until very recently the Transit satellite positioning system was the only accurate navigation system available on a global basis. Transit is thus a commonly used navigation aid and was included in the DREO developed marine integrated navigation system (MINS-B II)



and primary land Arctic navigation system (PLANS). MINS and PLANS are Kalman filter based multi-sensor optimally integrated navigation systems and require detailed stochastic and deterministic error models for all of their sensors. This paper provides a detailed geometric derivation of the deterministic error model relating the position error of a Transit satellite Doppler position fix to the error in the velocity and height that is fed into the Transit receiver. This error model is presented as explicit functions of such variables as the satellite maximum elevation angle, the satellite direction of travel and the receiver latitude. Sample plots of these sensitivity functions are presented, along with experimental results for verification. This model is used in MINS and PLANS to form the Kalman filter measurement error sensitivity matrices.  
CA EX PS SC TE

### Errors in ageing hatchery rainbow trout from small lakes in southern British Columbia

by E.A. Parkinson. Victoria : Ministry of Environment and Parks, 1989. i, 7 p. : ill. Bibliogr. (Fisheries technical circular ; no. 87) ISSN 0319-9436 ISBN 0-7726-1001-0 MICROLOG 90-00640 1 fiche

Ageing errors, particularly when bias is involved, can have serious effects on the estimation of population parameters, such as growth and survival, that are important in fisheries management. This report estimated the accuracy of age determination for scales from marked rainbow trout stocked as yearlings into a variety of small, southern B.C. lakes and used the replication among readers to provide an estimate of the effect of ageing errors on an index of growth (length at age 2 plus) and age structure of this population.  
BC FI PR SC

### Erythrina spp., fase II : informe tecnico anual del proyecto

Centro agronómico tropical de investigación y enseñanza. Ottawa : Centro internacional de investigaciones para el desarrollo, 1989. iv, 123 p. : ill. Bibliogr. (Informe ; 218s) MICROLOG 90-00357 2 fiche (Available on fiche only)

Abstract unavailable for this document.  
AG CA EX SC

### Esker Lakes Provincial Park management plan

Toronto : Ministry of Natural Resources, 1988. i, 26 p. : maps. Bibliogr. ISBN 0-7729-4295-1 MICROLOG 90-00871 1 fiche

This document covers the objectives of the plan, zoning, resource management policies, operations policies, development policies, implementation priorities, and a summary of public involvement.  
CU ON PR

### Eskers Provincial Park : master plan

Prince George, B.C. : Ministry of Parks, Northern B.C. Region, 1990. 36 p. : maps. ISBN 0-7726-1083-5 MICROLOG 90-05025 1 fiche

Eskers Provincial Park is a new Class A park located 40 minutes from Prince George. The park will provide recreational opportunities and walk-in camping. This report describes the park's role in recreation and conservation, as well as the management of its natural resources and its visitors. A development plan for vehicles, trails and day-use facilities, backcountry camping facilities and park management and public safety facilities is given, along with the master plan background document describing the natural and cultural resources and the planning process.  
BC CU PR

### Espoirs et déceptions dans le domaine des femmes battues : progrès, dilemmes et perspectives de prévention : document de travail

par L. MacLeod. Ottawa : Santé nationale et bien-être social Canada, Division de la prévention de la violence familiale, 1989. vi, 60 p. Bibliogr. L'éd. anglaise (*Wife battering and the...*) : 90-00763/1. Présenté à la Conférence nationale sur la violence familiale : main dans la main. MICROLOG 90-00762 1 fiche

Au cours des années 80, d'importants progrès ont été réalisés dans le domaine de la violence faite aux femmes mais il reste encore beaucoup à faire. Les programmes d'intervention d'urgence, la sensibilisation accrue de la population à la question des femmes battues et la dénonciation de plus en plus courante des cas de violence familiales ont marqué ces progrès. Ce document a été conçu en vue d'étudier les points suivants : les dilemmes et les conséquences de la violence, les perspectives de prévention; le programme d'action pour la prévention; la prévention primaire; les comités de coordination, le rôle de l'appareil judiciaire; les défis particuliers aux femmes doublement isolées; les refuges; et les programmes pour les hommes violents.  
BS CA SA

### Esquisse du Canada de demain : rapport de l'étude démographique

Ottawa : Santé et bien-être social Canada, 1989. ii, 74, ii, 74 p. : ill. Bibliogr. *Bilingual* (*Charting Canada's future...*). ISBN 0-662-56927-X MICROLOG 90-02052 2 fiche

Ce document décrit en trois parties les principales tendances qui dicteront l'avenir démographique du Canada. La première partie contient des graphiques qui illustrent ces tendances. La deuxième consiste en une série de commentaires et d'élucidations sur les graphiques, leurs sources et les questions qu'ils illustrent. Cette partie contient également des propositions de lecture à l'intention des personnes qui souhaitent trouver plus d'information sur un sujet donné dans la littérature scientifique. Enfin, la troisième partie se compose d'une bibliographie et d'une liste des recherches menées dans le cadre de l'Etude démographique.  
CA SA

### Essais d'espèces et tests de provenance et de descendance du genre Larix à l'Institut forestier national de Petawawa

par T.J.B. Boyle...et al. Chalk River, Ont. : Service canadien des forêts, Institut forestier national de Petawawa, 1990. v, 63 p. : ill., cartes géogr. Bibliogr. (Rapport d'information ; PI-X-94F) L'éd. anglaise (*Species, provenance...*) : 90-01576/1. ISSN 0228-0736 ISBN 0-662-96153-6 MICROLOG 90-06799 1 fiche

Ce document décrit toutes les expériences menées sur le genre Larix par le groupe du Programme de l'amélioration génétique des arbres à l'Institut forestier national de Petawawa de Forêts Canada. Au cours de 65 ans jusqu'ici écoulés, on compte en tout 125 expériences et 906 lots de semences. Les expériences les plus importantes et les mieux planifiées sont décrites en détail, accompagnées de recommandations quant à l'emploi des mélanges indigènes ou exotiques dans l'est du Canada.  
FO ON PR SC

### Essieux relevables pour semi-remorques

associant dans une action coopérative le Centre de développement des transports de Transports Canada, le Ministère des

transports du Québec [et] le Ministère des transports de l'Ontario. Montréal : Transports Canada, Centre de développement des transports ; Québec : Ministère des transports ; Toronto : Ministère des transports, 1990. 19, 17 p. *Bilingue* (*Semitrailer liftable axles*). MICROLOG 90-07203 1 fiche

Lancée à la suite de négociations entre le Centre de développement des transports (CDT) de Transports Canada et les ministères des Transports du Québec (MTQ) et de l'Ontario (MTO), cette étude vise principalement à élaborer des projets de recherche prioritaires concernant des aspects viraux du transport routier de marchandises dans le but de mettre au point, d'essayer et d'exploiter un service expérimental des essieux relevables améliorés comportant des dispositifs conçus pour maintenir la charge au sol à un seuil de consigne afin de réduire l'agressivité vis-à-vis des chaussées et permettre de conserver des limites de charge admissibles actuelles, et pour améliorer la pilotabilité et la stabilité en rouls de véhicules par des caractéristiques d'autovirage améliorées.  
CA ON PS QU SC TR

### Established programs financing : advance calculation, 1989-90

Ottawa : Dept. of Finance, Federal-Provincial Relations Division, 1989. 15, 15 p. *Bilingual* (*CSI 21104 002*) MICROLOG 90-03362 1 fiche

Presents entitlements, tax transfers, basic inputs used in the calculation of entitlements, and intermediate output related to the calculations.  
CA CO ST

### Establishment of regulations for an oil/fish fund in accordance with an attached proposal

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 7 p. (Canadian translation of fisheries and aquatic sciences ; no. 5126) *Originally published in Norwegian*. ISSN 0704-3716 MICROLOG 90-00056 1 fiche

On June 10, 1980, the Parliament of Norway approved the establishment of an oil/fish fund to subsidize initiatives to compensate for operational difficulties experienced by Norwegian fishermen as a result of oil extraction at sea. The fund is to be used mainly to improve operational conditions, develop alternative operational methods and stimulate the best possible utilization of marine resources, but not to compensate for damage or for cleaning the sea bottom. This document presents a draft of the regulations  
• CA CF EV FI SC

### Estimated costs and returns for chinook salmon production in the Campbell River area

Victoria : Ministry of Agriculture and Fisheries, Aquaculture and Commercial Fisheries Branch, 1989. v, 25 p. ISBN 0-7726-1015-0 MICROLOG 90-00644 1 fiche

Response to the need for an estimate of costs and returns for chinook salmon production, for salmon farm business analysis and planning reference, primarily for chinook salmon producers in the Campbell River area. The assumptions and basic data were supplied by a small volunteer group of salmon farmers in June 1989 who specified a consensus resource base and production practices as well as the associated production costs and expected returns. The consensus farm is a grow-out operation with 30,000 regular and 120,000 monosexed female chinook smolts placed each May. The farm has a fish survivability to market rate of 70% and an annual production of 240 tonnes of dressed salmon. This document covers general background



information and assumptions, assumptions and calculations for capital investments and costs and returns, and analysis.  
BC FI PR SC

### Estimated incidental catches of smallmouth bass in commercial gill nets, Long Point Bay, Lake Erie, 1987

by R.B. MacGregor. Port Dover, Ont. : Ministry of Natural Resources, Lake Erie Fisheries Assessment Unit, 1987. 78 p. : maps. Bibliogr. (Report ; 1988-2)  
MICROLOG 90-00727 1 fiche

In 1983 and 1984, preliminary work was carried out in Long Point Bay on incidental catches of smallmouth bass in commercial gill nets. The estimates included only 6 weeks from late July through August. Confidence limits were wide and several information gaps were identified. Therefore, a further study was done in 1987 to provide a first estimate of the total annual catch of smallmouth bass in commercial gill net; to identify the critical areas and periods where bass are most vulnerable to commercial gear; and to evaluate the effect of the incidental catch on the smallmouth bass population, and on the sport fishery. This report summarizes the findings of the work carried out between April 25 and October 30, 1987.  
FI ON PR SC

### Estimated incidental catches of smallmouth bass in commercial gill nets, Long Point Bay, Lake Erie, 1988

by R.B. MacGregor and D.C. Howe. Port Dover, Ont. : Ministry of Natural Resources, Lake Erie Fisheries Assessment Unit, 1989. vi, 60 p. : ill., maps. Bibliogr. (Report ; 1989-2)  
MICROLOG 90-02970 1 fiche

An investigation was undertaken in 1988 to provide a second estimate of bass catches from Long Point Bay; to provide a more intense examination of bass catches in waters east of Port Dover and to define the critical period of vulnerability in this area and locate "hot spots" where bass catches are highest; to undertake a tagging program which focused on seasonal movements of bass within the bay, and to begin a more prolonged examination of potential survival rates of bass from entanglement. Simulated commercial fishing exercises were conducted to provide data on the seasonal and spatial distributions of bass catches in water east of Port Dover, and a series of on-board observations of actual commercial gill net catches were conducted throughout the bay between May 10 and October 6. This program provided the data necessary to calculate the catches of bass per unit of commercial effort. This annual report reviews the responsibilities and services of the Board, as well as its other functions. It also includes a summary of debenture borrowings approved in 1989, a summary of annexations granted in 1989, a summary of financial applications approved by local authority, a summary of annexation applications granted, by local authority, and a summary of applications approved/granted by category of local authority.  
FI ON PR SC

### Estimates for the fiscal year ending March 31, 1991

Saskatchewan. Saskatchewan Finance. Regina : The Ministry, 1990. 126 p. CSI 71119.003.  
MICROLOG 90-04179 2 fiche

These estimates present the estimated revenues and expenditures, both budgetary and non-budgetary, for the Consolidated Fund and the Saskatchewan Heritage Fund.  
CO MS PA PR

### Estimates of air pollutant concentrations and deposition due to electricity exports during the period 1991-2006

by O.T. Melo...et al. Toronto : Ontario Hydro, Research Division, 1989. i, 82 p. : ill., maps. Bibliogr. (Report ; no. 89-65-K)  
MICROLOG 90-01172 1 fiche

Ontario Hydro is preparing an application to the National Energy Board for a license to export electricity to the U.S. from 1991-2006. This application must cover the social costs incurred in Canada by generating electricity for export. The calculation of social costs involves assessments of air pollutant concentrations and deposition due to all sources and due to electricity exports alone, the relationship between pollutant dose and receptor response, and the cost associated with the incremental dose due to electricity exports. This report deals with the in-house assessment of the air pollutant concentrations and deposition associated with emissions from fossil-fuel-fired stations, estimated through the use of pollutant transport and deposition models for both short- and long-range transport, representative meteorological data from 1983 for short-range calculations and 1982 or 1976-85 for long-range calculations, and emissions data from 1980-82 as a baseline, then modified to take into account the implementation of acid rain control legislation in Eastern Canada, and Ontario Hydro's projections of export sales.  
EN EV ON PR SC

### Estimates of the government of Nova Scotia for the fiscal year, 1990-91

Nova Scotia. Dept. of Finance. Halifax : The Dept., 1990. xv, 404 p. CSI 51105.003.  
MICROLOG 90-04911 5 fiche

The approved estimate consists of the priority services and activities for each Department or agency. Priority services and activities are summarized by Budget subject in the Estimates. The presentation details previous year "Actual," present year "Forecast" and new year "Estimate," by Budget subject. A Budget subject is a service or activity selected by management as a focus for evaluation, planning, determining alternatives and presenting cost-justified funding recommendations.  
AP CO PA PR

### Estimates supplement guidelines, 1990-91

Winnipeg : Dept. of Finance, Financial and Management Systems Branch, Comptroller's Division, 1990. 60 p. : ill.  
MICROLOG 90-05068 1 fiche

These guidelines present an outline of roles and responsibilities, and provide the policy on the production of Estimates Supplements to facilitate cost and time savings. It concludes with direction on content which is intended to facilitate understanding of departmental operations.  
CO MS PA PR

### Estimates, fiscal year ending March 31, 1991

British Columbia. Ministry of Finance and Corporate Relations. Victoria : The Ministry, 1990. vi, 255 p. CSI 37106.006. ISSN 0712-4597  
MICROLOG 90-04442 3 fiche

The Estimates contain financial data on the General Fund revenues and expenditures, estimates of special offices, ministries and other appropriations, and schedules of financial transactions.  
BC CO PA PR

### Estimation of additional abatement costs for the proposed revisions to Regulation 308

SENEC Consultants Limited. Toronto : Environment Ontario, Policy and Planning Branch, 1990. ix, 276 p. Bibliogr. ISBN 0-7729-7290-7  
MICROLOG 90-07009 4 fiche

Since 1971, one of the main statutory means of controlling air pollution in Ontario has been the Environmental Protection Act and the regulations pursuant to the Act, in particular Regulation 308, which specifies the maximum permitted concentration of numerous contaminants at a point of impingement from a source of contaminant (other than a motor vehicle). The Ministry of the Environment proposed that Reg. 308 be revised so that the existing point of impingement standards are replaced with new ambient air standards and technology-based emission limits. The proposed revisions are expected to result in greater control of emissions and increased control costs. This study estimated the additional abatement costs necessary to ensure compliance with the proposed revisions to Reg. 308 for each major industrial sector, for waste disposal companies and for municipalities.  
EV ON PR SC

### Estimation of Canadian human capital stocks and flows : what can be done?

by H.H. Postner. Ottawa : Economic Council of Canada, 1989. vii, 51 p. Bibliogr. (Discussion paper ; no. 365) ISSN 0225-8013  
MICROLOG 90-01798 1 fiche (Available on fiche only)

Surveys the literature on estimation of human capital stocks and flows, and suggests a method and means of estimating Canadian human capital stocks and flows on a regular basis. The paper examines three main methods of estimating human capital stocks and flows for a nation's economy. The first method is called the retrospective approach to estimation, the second is called the prospective approach, and the third is referred to as the 'back-of-the-envelope' approach. The conclusion outlines some of the outstanding problems and related issues in the human capital area.  
CA CI CO

### Etablissement des réfugiés éthiopiens à Toronto : étude préliminaire, résumé de recherche

par G. Neuwirth. Ottawa : Emploi et immigration Canada, Immigration, 1989. 6, 6 p. Bilingue (The Settlement of Ethiopian...) ISBN 0-662-57119-3  
MICROLOG 90-03240 1 fiche

Cette étude porte sur certaines difficultés qu'ont connues les réfugiés venus d'Éthiopie au cours de la période d'établissement et d'adaptation, ce qui comprend l'accès aux services d'établissement ainsi que la qualité de ces derniers. L'étude traite principalement des éléments linguistiques, économiques et sociaux de l'adaptation. On a choisi Toronto comme lieu de recherche. L'échantillon comprenait vingt réfugiés, seize hommes et quatre femmes qui se trouvaient au Canada depuis au moins six mois. Le plan d'entrevue comprenait principalement des questions ouvertes qui permettaient aux personnes interrogées de s'exprimer librement. Cette étude donne les résultats des interviews.  
● CA EX SA

### Etablissement des réfugiés salvadoriens à Ottawa et Toronto : étude préliminaire, résumé de recherche

par G. Neuwirth. Ottawa : Emploi et immigration Canada, Immigration, 1989. 8,



8 p. *Bilingue (The Settlement of Salvadoran...)*.  
ISBN 0-662-57120-7  
MICROLOG 90-03239 1 fiche

Cette étude porte sur certaines difficultés qu'ont connues les réfugiés venus du Salvador au cours de la période d'établissement et d'adaptation. L'étude traite principalement des éléments linguistiques, économiques, professionnels et sociaux de l'adaptation. On a choisi Toronto et Ottawa comme lieux de recherche. On a fait subir une entrevue à 15 réfugiés réétablis à Toronto, 12 à Ottawa et trois à Hull. Le plan d'entrevue comprenait principalement des questions ouvertes qui permettaient aux personnes interrogées de s'exprimer librement. Le document présente les résultats de ces interviews.  
● CA EX SA

### Etablissement des routes et horaires réguliers dans les entreprises de transport routier des marchandises

par A. Blanchette. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. viii, 147 p. : ill. Bibliogr. (Publication : no. 663)  
MICROLOG 90-01614 2 fiche

L'industrie du transport routier des marchandises occupe une place importante dans l'économie canadienne. Plus de 65% des marchandises exportées et 70% des marchandises importées entre le Canada et les Etats-Unis sont transportées par camion. L'objectif de ce mémoire est de présenter une méthode de planification pour les routes et horaires des chauffeurs de camion dans les entreprises de transport routier des marchandises en charges partielles. Cette méthode fait appel à des techniques de recouvrement d'ensembles semblables à celles utilisées dans le domaine du transport aérien pour le problème des horaires d'équipages d'avions.  
PR QU SC TR

### Etat actuel et orientations futures projetées de la recherche sur la tordeuse des bourgeons de l'épinette de Forêts Canada

Ottawa : Forêts Canada, 1987. vi, 53, 52 p. L'éd. anglaise (*Spruce budworm...*) sur la même fiche.  
MICROLOG 90-00963 2 fiche

La tordeuse des bourgeons de l'épinette représente l'un des plus sérieux problèmes pour l'aménagement forestier dans une grande partie de l'est de l'Amérique du Nord. En défoliant les arbres, les larves de la tordeuse enlèvent une partie de l'usine de photosynthèse de même que des zones où les produits chimiques tels que les hormones de croissance sont fabriqués, cela affecte plusieurs fonctions vitales. A la suite de ces découvertes, le Comité d'examen a identifié des secteurs de préoccupation et formulé des suggestions et des recommandations quant aux mesures administratives à prendre. Dans le cadre de cet exercice, la recherche a été divisée en trois secteurs principaux: la biologie de la tordeuse des bourgeons de l'épinette, l'impact de la tordeuse sur la forêt et la lutte contre cet insecte. Le document vise à évaluer l'état actuel de la recherche sur la dynamique des populations de la tordeuse pour s'assurer de ne rater aucune occasion en 1987 de découvrir les facteurs affectant les modifications de population. Il effectue également un examen du programme de recherche de Forêts Canada sur la tordeuse en vue d'identifier et de coordonner les besoins futurs en matière de recherche.  
CA FO LS SC

### Etat de la recherche, 1989

Ottawa : Agriculture Canada, Direction générale de la recherche, 1989. 28 p. : ill., cartes géogr. *Bilingue (Progress in research...)*.

ISBN 0-662-56753-6  
MICROLOG 90-00445 1 fiche

En 1988, la Direction générale de la recherche est allée de l'avant dans l'application de son 'Projet d'activités'. Cet exposé de stratégie, qui a été réimprimé en tant qu'annexe à l'état de la recherche de l'an dernier, décrit le plan d'action qu'entend suivre la Direction générale, de 1988 à 1992. Le document met en relief quelques-uns de ces premiers succès dans l'application de certains éléments clés de cette stratégie.  
AG CA SC

### L'Etat de santé des Néo-Brunswickois

Fredericton : Santé et des services communautaires Nouveau-Brunswick, 1989. x, 128, ix, 125 p. : ill. Bibliogr. *Bilingue (Health status of New Brunswickers). Faits saillants (13, 13 p.) inclus*.  
MICROLOG 90-05717 2 fiche

Les objectifs de ce rapport sur l'état de santé au Nouveau-Brunswick sont de tracer le profil de l'état de santé de la population du Nouveau-Brunswick et, d'avoir une base de données pour faciliter la planification de programmes, le contrôle, l'évaluation, ainsi que pour développer une ligne d'action. De plus, le rapport reprend certains indicateurs de santé classiques sur la mortalité et la morbidité provenant des Statistiques de l'état civil et des hôpitaux.  
AP HE PR SA

### Etats financiers des entreprises du gouvernement du Québec, 1987-88

Québec : Gouvernement du Québec, Ministère des finances, 1989. 604 p. CSI 66120.005  
ISSN 0706-2869 ISBN 2-550-19040-8  
MICROLOG 90-02785 7 fiche

Ce document présente les états financiers des entreprises du gouvernement du Québec. Même si les états financiers de ces entreprises sont en général présentés à l'Assemblée nationale, ils sont regroupés dans ce volume pour faciliter l'examen et l'analyse de leur situation financière et de leurs résultats d'opération.  
CO PA PR QU

### Etats financiers des entreprises du gouvernement du Québec, 1988-89

Québec : Gouvernement du Québec, Ministère des finances, 1990. 587 p. CSI 66120.001.  
ISSN 0706-2869 ISBN 2-550-19906-5  
MICROLOG 90-04245 7 fiche

Publication présentant les états financiers des entreprises du gouvernement du Québec pour l'année 1988-89. Les renseignements sont groupés par entreprises, et responsabilité ministérielle.  
CO PA PR QU

### Etats financiers préliminaires pour l'exercice clos le 31 mars 1990

Canada. Ottawa : le Gouvernement, 1990. 32 p. *Bilingue (Preliminary financial statements...)*. CSI 21104.001.  
MICROLOG 90-06884 1 fiche

Document présentant l'état sommaire et détaillé des opérations, l'état du déficit accumulé et l'état de l'actif et du passif. Inclut aussi l'état des dépenses budgétaires par ministère.  
CA CO PA

### Ethnic origin mother tongue, Metropolitan Toronto region, 1981

Toronto : Metropolitan Toronto Planning Dept., Research Division, 1987. 20 p. : ill. (Metro facts : 05) CSI 89181.219.  
MICROLOG 90-06173 1 fiche

Cultural diversity exists in Metropolitan Toronto and the Metropolitan Region as a result of the wide range of ethnic mix. This report illustrates the extent of ethnic diversity by examining the ten largest ethnic groups and five largest

mother tongue categories. It is based on the 1981 Census of Canada. The ethnic profile is described in terms of sex, family structure, mobility, education, occupation and employment status. The mother tongue profile is described in terms of family structure, mobility, education, occupation and occupation by sex. In addition to revealing differences and similarities between the ten largest ethnic groups and five largest mother tongue categories that are profiled, the report examines differences in geographical distribution by region of the ethnic population groups.  
CU MU ON SA ST

### L'Etiquetage des médicaments à l'usage des humains

Ottawa : Santé et bien-être social Canada, Direction générale de la protection de la santé, 1989. iv, 47 p. *Bilingue (Labelling of drugs...)*. En tête du titre: *Directives de la Direction des médicaments*  
MICROLOG 90-04870 1 fiche

Ces directives ont pour but d'aider les fabricant à établir un étiquetage des médicaments qui soit conforme aux exigences canadiennes. Elles renferment des extraits de la Loi des aliments et drogues et du Règlement afférent, des définitions, l'interprétation courante de certaines exigences d'étiquetage selon les agents de la Direction des médicaments, l'interprétation fondées sur des précédents juridiques et sur des avis consultatifs établis depuis un certain nombre d'années.  
CA HE

### Etude auprès des visiteurs de la réserve de parc national de l'Archipel-de-Mingan : rapport final

présenté à la Section politiques et recherche, Service des parcs, Environnement Canada, Région du Québec, par l'Ecart-type. S.I. L'Ecart-type inc., 1990. 118 p. : ill., cartes géogr. *Annexes (230 p.) inclus*.  
CSI 21140.203  
MICROLOG 90-06361 4 fiche

Un projet de recherche a été élaboré à l'été 1989 afin de colliger des informations sur les touristes ayant effectué au moins une visite à la réserve de parc national de l'Archipel-de-Mingan pour connaître la clientèle du site, le contexte de sa visite et son appréciation des installations et des services disponibles. Ce rapport de recherche se base sur la compilation des résultats obtenus par le biais de trois questionnaires d'enquête, soit, un questionnaire auprès des touristes ayant effectué au moins une visite à la réserve de parc administré par le biais d'entrevues en face à face, directement sur le site; un questionnaire postal remis aux touristes interrogés, et un questionnaire téléphonique qui s'adressait aux résidents de la Minganie.  
CA CU QU ST

### Etude collective des populations d'oiseaux nicheurs au Canada, 1988

par A.J. Erskine, B.T. Collins et J.W. Chardine. Ottawa : Service canadien de la faune, 1990. 16 p. Bibliogr. (Cahiers de biologie : no 188) L'éd. anglaise (*The Cooperative bird...*) : 90-04583/1. ISBN 0-662-95962-0  
MICROLOG 90-06277 1 fiche

L'Etude collective des populations d'oiseaux nicheurs (EPON), entreprise à titre expérimental aux Etats-Unis en 1965, a commencé au Canada en 1966, sous la coordination du Service canadien de la faune. Elle vise à mesurer les tendances dans les effectifs des oiseaux, en particulier les petits oiseaux terrestres, de l'Amérique du Nord. Il s'agit du type de suivi écologique à grande échelle le plus efficace pour les oiseaux terrestres. Chaque année, des données sur les oiseaux nicheurs sont recueillies par des bénévoles et des ornithologues professionnels versés dans l'étude des oiseaux nicheurs. Ce



rapport porte sur l'EPON de 1988 et donne un résumé des tendances observées de 1966 à 1988 et en 1987-1988 fondé sur une nouvelle approche statistique.  
 • CA EV LS SC

### Etude d'impact des SATLR : base de comparaison : rapport sommaire

par R. Glover et D. Peterson. Montréal : Centre de développement des transports, 1987. ix, 59 p. : ill., cartes géogr. Bibliogr. TP 8984F.  
 MICROLOG 90-01741 1 fiche

Ce rapport rend compte de l'enquête faite entre septembre et novembre 1985 pour déterminer les habitudes de déplacement dans la région de Vancouver avant la mise en service du SkyTrain, dans le cadre d'une étude sur l'impact des systèmes de transport légers de type avancé. Les éléments de cette recherche ont été les suivants: un sondage auprès de plus de 25 000 foyers, un carnet des déplacements remis à quelques 1 700 ménages, des comptages de la circulation, une enquête cordon, une enquête taxi, une enquête sur les déplacements pour travail ou affaires, et enfin, une enquête auprès des clients du SkyTrain et un comptage des espaces de stationnement à proximité des stations SkyTrain.  
 BC CA MU SC TR

### Etude d'impact sur l'environnement de la centrale à turbine à combustion de 400 MW Millbank : rapport final

Fredericton : Energie NB, 1990. vii, 379 p. : ill., cartes géogr. Bibliogr. L'éd. anglaise (Millbank 400 MW combustion...) : 90-06524/5.  
 MICROLOG 90-06525 5 fiche

Cette évaluation d'impact environnemental porte sur la construction, l'exploitation et la mise en service de l'usine. L'évaluation porte sur une superficie de 50 km tout autour de la centrale. Les recherches ont examiné les impacts possibles sur les eaux souterraines, sur le bassin d'air local ainsi que sur le niveau sonore pendant la construction et l'exploitation des installations. Les répercussions socio-économiques ont également été analysées.  
 AP EN EV PR SC

### Etude de l'exposition aux vibrations globales du corps dans des véhicules du service de la voirie

par P.-E. Boileau, H. Scory et J. Boutin. Montréal : Institut de recherche en santé et en sécurité du travail du Québec, 1988. 27 p. Bibliogr. (Etude : bilan de connaissances) ISSN 0820-8395 ISBN 2-551-06877-0  
 MICROLOG 90-02338 1 fiche

Les véhicules du service de la voirie tels que les niveleuses et les camions de chantier (6 et 10 roues) exposent les conducteurs à des vibrations mécaniques plus ou moins importantes causées par le déplacement des véhicules sur un sol irrégulier. Dépendant de son intensité, la nuisance vibratoire peut affecter le confort, la capacité de travail, voire à long terme la santé du conducteur. Cette étude présente des résultats de mesures de vibrations globales du corps effectuées sur trois niveleuses et trois camions de chantier utilisés par le service de la voirie. On a effectué ces mesures dans des situations réelles de travail de façon à évaluer l'importance des expositions pour les conducteurs et à estimer l'efficacité d'atténuation des différents sièges à suspension verticale utilisés dans ces véhicules.  
 LA PR QU SC TR

### Etude de la demande de conteneurs vides à court terme

par H. Steffan. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 78 p. : ill. Bibliogr.

(Publication ; no. 651)  
 MICROLOG 90-01618 1 fiche

Ce document présente les résultats d'une étude statistique de la demande à court terme de conteneurs. Ceci représente la première étape d'une étude visant à déterminer les caractéristiques stochastiques de la demande, pour insertion dans un modèle dynamique et stochastique de planification à court terme des opérations de transport terrestre multimode d'une flotte hétérogène de conteneurs. En particulier, on cherche à déterminer une (ou plusieurs) formule(s) pour la demande moyenne de conteneurs de chaque type, ainsi que la distribution qui régit les variations de cette demande. Les premiers résultats, obtenus à l'aide de demande d'une grande compagnie européenne de transport maritime et terrestre de conteneurs sont présentés dans ce rapport.  
 PR QU SC TR

### Etude de la valeur ajoutée à un mètre-cube de bois rond au Nouveau-Brunswick : rapport final

établi par ADI Limited ; avec la collaboration de E.S. Fellows, D.G. Bell & Associates Inc., Agfor Limitée ; conformément à l'Entente auxiliaire sur le développement industriel, Canada/Nouveau-Brunswick. Fredericton : Ministère du commerce et de la technologie, 1990. v, 53 p. : ill.  
 MICROLOG 90-04555 1 fiche

Les objectifs de cette étude sont les suivants: identifier la valeur ajoutée actuelle à un mètre-cube de bois rond dans chaque essence commerciale du Nouveau-Brunswick; identifier la valeur ajoutée pour chaque produit actuellement fabriqué, et, établir les possibilités de la valeur ajoutée de chaque essence.  
 AP FO PR SC

### Etude de stabilité à la mine Niobec : rapport final, 2 : synthèse de l'étude

par M.C. Bétournay et D. Labrie. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires de recherche minière, 1989. iv, 48 p. : ill. Bibliogr. (Rapport ; MRL 88-81(TR))  
 MICROLOG 90-07122 1 fiche

Le projet de stabilité de la mine Niobec a été conçu pour évaluer la stratégie minière dans le contexte de ses effets actuels et anticipés. Des alternatives à la stratégie ont également été considérées et sont de même présentées dans ce document. Les éléments de projets suivant sont discutés dans ce rapport au niveau de leur pertinence et importance à la stratégie minière: l'établissement des conditions de massif rocheux, l'évaluation de problèmes de contrôle des terrains, la modélisation des ouvertures actuelles et planifiées, suivi d'ouvertures. Des discussions sur les alternatives, la progression minière et les bénéfices de l'étudier sont également incluses.

• CA CM NR PS QU SC

### Etude de stabilité à la mine Niobec : rapport final, 3 : supplément pour la conception des excavations

par D. Labrie et L. Closset. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires de recherche minière, 1989. v, 77 p. : ill. Bibliogr. (Rapport ; MRL 89-10(TR))  
 MICROLOG 90-01326 1 fiche

Ce rapport fournit des résultats de recherche appliquée en mécanique des roches, sur lesquels appuient les tâches de planification et de décision au niveau des opérations minières; développe et met à jour des méthodes d'investigation et d'analyse du comportement des massifs rocheux pour le bénéfice de l'industrie minière; met au point les instruments appropriés pour la détermination des propriétés des matériaux rocheux et le suivi des structures minières, et, examine les méthodes

courantes et les derniers développements en mécanique des roches, applicables à l'exploitation minière.

• CA CM NR PS QU SC

### Etude des problèmes de politique concernant les entreprises indépendantes de téléphone de l'Ontario et du Québec : rapport final

préparé par Econotec Inc. et D.A. Ford & Associates Ltd. Toronto : Ministry of Transportation and Communications ; Québec : Ministère des communications, 1987. 56, 55 p. : ill. Bilingue (Review of independent...).  
 MICROLOG 90-01595 2 fiche

Ce rapport contient une revue des politiques qui affectent les entreprises indépendantes de téléphone en Ontario et au Québec. Il a pour objectifs de décrire la structure et la situation actuelle des entreprises indépendantes de téléphone au Québec et en Ontario; d'identifier les questions politiques, réglementaires, industrielles et technologiques apparaissant comme les plus importantes pour ces entreprises; d'évaluer l'impact des changements récents et possibles dans le futur des tarifs interurbains sur ces entreprises, incluant l'impact sur les ententes de trafic avec Bell Canada; et, de décrire l'avenir possible de ces entreprises en termes d'adoption de nouvelles technologies et de changements à la propriété.  
 ON PR QU SC TE

### Etude des programmes destinés aux femmes : rapport final et recommandations

Comité consultatif de l'étude des programmes destinés aux femmes (Manitoba). Winnipeg : le Comité, 1989. 50 p.  
 MICROLOG 90-00431 1 fiche

Ce document présente l'étude du comité consultatif ayant pour consigne de se concentrer sur deux secteurs stratégiques: les programmes et services relatifs à la violence contre les femmes et leurs enfants, ainsi que les programmes et services axés sur les soutiens économiques prévus pour les femmes et sur le développement économique touchant celles-ci. Le rapport fait donc la synthèse de ces questions.  
 MS PR SA

### Etude des tendances dans les séries chronologiques de la qualité de l'eau des lacs du réseau TADPA-Québec

par A. Bouchard et J. Haemmerli. Montréal : Environnement Canada, Conservation et protection, Région du Québec, Centre St-Laurent, Direction des eaux intérieures, 1990. xvi, 86 p. : ill., cartes géogr. Bibliogr.  
 MICROLOG 90-06692 2 fiche

Le réseau TADPA-Québec a été conçu et structuré afin de détecter une tendance dans la qualité des eaux de surface de lacs de tête inférieure ou égale à l'écart type de la série des résidus et ce pour les principaux paramètres liés à l'acidification des lacs soient le pH, les sulfates, l'alcalinité et la somme des cations, après sept à dix ans d'échantillonnage avec un niveau de confiance de 90 % et une puissance du test de 90 % également. Des tests de détection de tendances tenant compte de la saisonnalité et de la persistance ont été appliqués aux séries de données de qualité de l'eau et ce document en présente les résultats.  
 EV NR PR QU SC

### Etude écologique pour valider les projets de réserves écologiques de l'Erbrière-du-Trente-et-Un-Milles et du Père-Louis-Marie

par N. Courtemanche. Québec : Ministère de l'environnement, Direction du patrimoine écologique, 1989. v, 67 p. : ill., cartes géogr. Bibliogr. ISBN 2-550-19661-9  
 MICROLOG 90-01027 1 fiche



Ce rapport présente une évaluation écologique sommaire de deux sites naturels, voisins. Ils sont tous deux très différents mais complémentaires et représentatifs des écosystèmes de l'érablière à bouleau jaune et tilleul de la région biogéographique de la Vallée de l'Outaouais, et des vallées afférentes. Le rapport traite des points suivants: les régions écologiques et biogéographiques où se trouvent les deux réserves écologiques projetées de l'Érablière-du-Trent et-Un-Milles et du Père Louis-Marie; les deux réserves écologiques projetées; la représentativité de ces deux sites par rapport aux écosystèmes de la région, et; les limites proposées pour les deux réserves.  
EV NR PR QU SC

#### Etude sectorielle en sciences sociales : rapport final

Québec : Conseil des universités, Comité pour l'étude sectorielle en social sciences, 1989. 94 p. Bibliogr. ISBN 2-550-19941-3  
MICROLOG 90-01111 2 fiche

Ce document traite particulièrement du devenir des sciences sociales au Québec. Il aborde également les points suivants: le découplage des programmes d'étude; les liens collège-université; la relation formation-emploi; la recherche et la formation de chercheurs; l'orientation et la gestion des études avancées; l'évolution du corps professoral; la situation des professions sociales; les liens entre les diverses disciplines et les divers départements; et les objectifs de développement des programmes.  
ED PR QU

#### Etude sur la complémentarité canado-japonaise : rapport

Comité canado-japonais. Ottawa : Conseil des sciences du Canada, 1989. 22 p. *Bilingue (Canada-Japan complementarity...)*.  
MICROLOG 90-03253 1 fiche

Suite à une étude de la coopération canado-japonaise passée et actuelle dans le secteur des sciences et de la technologie, à la consultation de nombreux scientifiques et ingénieurs des deux pays et à ses propres délibérations, ce document présente les principaux domaines où il faudrait concentrer la coopération scientifique et technologique entre le Canada et le Japon, ainsi que les meilleurs moyens d'y parvenir.  
CA EX SC

#### Etude sur la médiation des divorces et des questions familiales dans trois villes canadiennes : rapport

J & J Research Associates Ltd. Ottawa : Ministère de la justice Canada, Recherche en droit de la famille, 1988. xxiv, 302 p. Bibliogr. ISBN 0-662-94852-1  
MICROLOG 90-01629 4 fiche

Cette recherche vise trois grands objectifs, à savoir: procéder à l'évaluation de la médiation en matière de divorce en se penchant de façon plus particulière sur son processus, sur les résultats obtenus et sur ses répercussions sociales, et de produire des données de base sur la garde des enfants, le droit de visite et de sortie l'allocation d'entretien, tant pour les actions en divorce que pour celle relevant de la législation provinciale pertinente. Finalement, le document recueille et publie des données de base aux fins de l'évaluation de la Loi sur le divorce de 1985.

• CA JU SA

#### Etude sur la médiation des divorces et des questions familiales, Winnipeg : rapport

Sloan and Greenaway Consultants. Ottawa : Ministère de la justice Canada, Recherche en droit de la famille, 1988. xvi, 220 p. ISBN 0-662-94851-3  
MICROLOG 90-01630 3 fiche

Cette étude présente l'évaluation de l'incidence d'un modèle particulier de médiation familiale. Il s'agit du système de recours systématique à la médiation en ce qui concerne les cas présentés devant la Cour unifiée de la famille de Winnipeg. Le but de l'étude est d'évaluer l'efficacité globale de la médiation familiale ainsi que l'incidence relative de différents modèles de médiation.

• CA JU MS SA

#### Etude sur la santé des enfants de l'Ontario : les enfants à risque

Toronto : Ministère des services sociaux et communautaires, 1989. iv, 31 p. : ill. Bibliogr. *L'éd. anglaise (Ontario child health study...)* : 90-04999/1. ISBN 0-7729-6289-8  
MICROLOG 90-05342 1 fiche

L'Etude sur la santé des enfants de l'Ontario (ESEO) a été effectuée en 1983. Il s'agissait d'une enquête menée à l'échelle provinciale sur la santé mentale et physique d'un échantillon aléatoire de plus de 3 000 enfants âgés de 4 à 16 ans. Ce résumé met en lumière les principales conclusions de cette brochure, basées sur l'ESEO. La brochure explique les analyses de données utilisées et présente les résultats en détail et leurs conséquences. On y retrouve également un glossaire des définitions des différents termes techniques. L'annexe I contient une liste des publications tirées de l'ESEO au 31 mai 1989.

HE ON PR

#### Etude sur les visiteurs et leurs besoins au lieu historique national de la Bataille-de-la-Ristigouche : rapport de recherche, saison estivale 1987

par S. Dion. Ottawa : Environnement Canada, Service canadien des parcs, Région du Québec, Section politiques et recherche, 1989. vi, 118 p. : ill. Bibliogr.  
MICROLOG 90-02378 2 fiche

Un projet de recherche a été élaboré avant l'été 1987 afin de colliger des informations sur les visiteurs du lieu historique national de la Bataille-de-la-Ristigouche pour connaître la clientèle du site, le contexte de sa visite et son appréciation des installations et services disponibles. Ce document fournit le résumé méthodologique, les résultats de l'étude, le profil des visiteurs et le contexte de la venue au site.

CA EV QU SC

#### Etudes sur la théorie de la production avec applications à l'industrie du transport par camion

par R. Gagnée. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. v, 123 p. Bibliogr. (Publication : no. 674)  
MICROLOG 90-03007 2 fiche

Cette thèse est divisée en quatre études, toutes reliées au thème de l'analyse de la structure de la technologie et des coûts des entreprises. La première étude présente de manière détaillée la méthodologie généralement employée pour l'analyse de la structure des coûts des entreprises de transport par camion.

Egalement, une section de cette étude est consacrée à l'utilisation de cette méthodologie pour l'analyse des rendements d'échelle, du progrès technique et des bénéficiaires de la réglementation. Ensuite, l'étude traite de l'interprétation de certaines mesures d'élasticité des coûts totaux en fonction de la mesure de production employée lors de l'analyse de la structure des coûts des entreprises de transport par camion: un nouveau test d'agrégation des mesures de la production pouvant être appliqué à des entreprises en situation de concurrence ou de monopole; et, une application de ce test à des entreprises canadiennes de transport par camion.  
PR QU SC TR

#### Etudes sur les débouchés canadiens aux Etats-Unis : appareils de mesure et instruments

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures Canada, 1989. 77, 73 p. : ill. *Bilingue (Studies in Canadian...measuring...)*. ISBN 0-662-56019-1  
MICROLOG 90-01973 2 fiche

Les importations américaines d'appareils de mesure et d'instrument classés à la liste A à sept chiffres, que ce rapport analyse en détail, se chiffraient à 1,97 milliard de dollars US en 1987. Elles ont augmenté en moyenne de 24,48% par an entre 1982 et 1987. L'Europe et le Japon détiennent, respectivement, 44% et 28% de ce segment du marché des importations américaines, alors que la part du Canada se situe autour de 7%. De plus, ce rapport renferme certaines informations sur l'exportation, énumère les foires commerciales et les publications spécialisées que prêtent les importateurs américains, examine les idées que les importateurs américains se font de l'incidence de l'Accord de libre-échange sur leurs achats de produits canadiens, et donne le tarif douanier applicable montrant les étapes de la mise en application de l'Accord de libre-échange.

CA CO EX

#### Etudes sur les débouchés canadiens aux Etats-Unis : art et artisanat

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 24, 24 p. : ill. Bibliogr. *Bilingue (Studies in Canadian...art...)*. CSI 21103.207. ISBN 0-662-55981-9  
MICROLOG 90-01383 1 fiche

Ce bref rapport sur le secteur de l'art et l'artisanat comprend des statistiques d'importations américaines, un échantillon des importateurs américains qui s'intéressent aux fournisseurs canadiens et d'autres renseignements d'ordre général recueillis au cours de l'examen du secteur.

CA CO EX ST

#### Etudes sur les débouchés canadiens aux Etats-Unis : bijouterie

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures Canada, 1988. 51, 51 p. : ill. *Bilingue (Studies in Canadian...jewellery)*. ISBN 0-662-56009-4  
MICROLOG 90-01957 2 fiche

Les principaux facteurs qui ont une incidence sur l'industrie de la bijouterie sont: l'affaiblissement du dollar américain, la baisse du taux d'augmentation du revenu disponible et la hausse des prix des pierres et métaux précieux. On prévoit une augmentation considérable des importations en provenance de pays en développement, dont la part du marché devrait dépasser celle des pays développés. On prévoit pour 1988 une croissance commerciale de 1% pour les bijoux de métaux précieux, et de 5% pour les bijoux de fantaisie. Ce document donne de nombreux renseignements sur l'industrie de la bijouterie.

CA CO EX

#### Etudes sur les débouchés canadiens aux Etats-Unis : colorants, teintures, peintures et vernis

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 55, 55 p. *Bilingue (Studies in Canadian...colours...)*. ISBN 0-662-55992-4  
MICROLOG 90-03057 2 fiche

Les colorants, teintures, peintures et vernis sont les sujets examinés dans cette étude. Elle fournit des renseignements sur les entreprises intéressées à trouver de nouvelles sources d'approvisionnement. Il contient également des renseignements sur la taille et les parts du marché américain des importations, ainsi que sur les publications



professionnelles et les foires commerciales.  
CA CO EX

# **Etudes sur les débouchés canadiens aux Etats-Unis : connexions, robinets et soupapes**

Groupe conseil Peat Marwick. Toronto : Affaires extérieures Canada, 1989. 71, 63 p. : ill. Bibliogr. *Bilingue (Studies in Canadian...taps...)*. ISBN 0-662-55544-2  
MICROLOG 90-05544 2 fiche

L'objectif de cette étude est de fournir une indication préliminaire des possibilités qui s'offrent d'accroître les exportations canadiennes aux Etats-Unis. Les données sont basées sur un sondage limité mené auprès d'importateurs et d'associations professionnelles des Etats-Unis représentant un large éventail de l'industrie américaine. Chaque rapport fournit des renseignements sur les sociétés qui se sont montrées intéressées à trouver de nouvelles sources d'approvisionnement; certaines des informations données sont très spécifiques. Chaque rapport contient également des renseignements sur la taille et les parts du marché américain des importations, ainsi que sur les publications professionnelles et les foires commerciales que les sociétés recensées ont jugé les plus utiles.  
CA CO EX

# **Etudes sur les débouchés canadiens aux Etats-Unis : instruments de musique**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 73, 71 p. Bibliogr. *Bilingue (Studies in Canadian...musical...)*. CSI 21103.208. ISBN 0-662-56027-2  
MICROLOG 90-01384 2 fiche

Ce rapport porte sur l'industrie des instruments de musique. Il donne certaines informations préliminaires sur l'exportation qui pourraient être utiles aux fabricants canadiens, énumère les foires commerciales et les publications professionnelles que préfèrent les exportateurs américains, examine les perceptions que les importateurs américains se font de l'incidence que l'Accord de libre-échange aura sur leurs achats de produits canadiens, et donne les listes tarifaires pertinentes montrant les étapes de mise en application de l'Accord de libre-échange.  
CA CO EX ST

# **Etudes sur les débouchés canadiens aux Etats-Unis : jouets et jeux**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 25, 26 p. : ill. *Bilingue (Studies in Canadian...toys...)*. CSI 21103.212. ISBN 0-662-56049-3  
MICROLOG 90-01388 1 fiche

Ce rapport porte sur le secteur des jouets et des jeux. Il comprend des statistiques des importations américaines, un échantillon des importateurs américains qui s'intéressent aux fournisseurs canadiens et d'autres renseignements d'ordre général, compilés au cours de l'étude du secteur.  
CA CO EX ST

# **Etudes sur les débouchés canadiens aux Etats-Unis : machines à métaux et machines-outils**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures Canada, 1989. 79, 79 p. : ill. Bibliogr. *Bilingue (Studies in Canadian...metalworking...)*. ISBN 0-662-56024-8  
MICROLOG 90-01956 2 fiche

L'industrie du matériel ou des machines à travailler les métaux produit de nombreuses catégories de biens d'équipement et de services d'ingénierie essentiels à la fabrication. Les produits visés par cette étude sont les

suivants: tours à métaux, machines à fraiser, machines à poinçonner et à cisailer, machines-outils de finissage des métaux, à profiler les métaux et travaillant le métal par enlèvement, et pièces de machines-outils à métaux. Ce sont là les principaux produits fournis par les entreprises européennes et japonaises. Le document donne de l'information sur l'exportation; les foires commerciales et les publications professionnelles; les perceptions que les importateurs américains se font de l'incidence de l'Accord de libre-échange; et, les listes tarifaires pertinentes montrant les étapes de mise en application de l'Accord de libre-échange.  
CA CO EX

# **Etudes sur les débouchés canadiens aux Etats-Unis : machines diverses**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures Canada, 1989. 56, 50 p. : ill. *Bilingue (Studies in Canadian...miscellaneous...)*. MICROLOG 90-05543 2 fiche

Ce document, rapport succinct concernant le secteur des machines diverses, comprend des statistiques sur les importations américaines, une liste échantillon des importateurs américains à la recherche de sources d'approvisionnement au Canada et d'autres données d'ordre général compilées en cours de route.  
CA CO EX

# **Etudes sur les débouchés canadiens aux Etats-Unis : matériel de manutention des matériaux**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 57, 59 p. *Bilingue (Studies in Canadian...material...)*. ISBN 0-662-56017-5  
MICROLOG 90-03058 2 fiche

Le matériel de manutention des matériaux est un des secteurs sur lesquels porte l'étude. Les expéditions américaines de ce matériel sont intégrées aux données sur les expéditions américaines de machines pour la construction. D'après des renseignements fournis par le département du Commerce des Etats-Unis (USDOC), la valeur totale des expéditions de ce type de machine en 1988 est évaluée à près de 14,5 milliards de dollars US.  
CA CO EX

# **Etudes sur les débouchés canadiens aux Etats-Unis : matériel de télécommunication**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures Canada, 1989. 73, 75 p. : ill. Bibliogr. *Bilingue (Studies in Canadian...telecommunications...)*. CSI 21103.213. ISBN 0-662-56047-7  
MICROLOG 90-01389 2 fiche

Ce rapport fournit une liste des noms, adresses et numéros de téléphone des importateurs américains qui sont généralement intéressés à en connaître davantage sur les fournisseurs canadiens de matériel de télécommunication. Le document fournit également des données sur les importations américaines de matériel de télécommunication, l'étude du marché et les conclusions de l'étude de Peat Marwick.  
CA CO EX ST

# **Etudes sur les débouchés canadiens aux Etats-Unis : matériel électrique**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 91, 87 p. *Bilingue (Studies in Canadian...electrical...)*. ISBN 0-662-55995-9  
MICROLOG 90-03082 2 fiche

Le secteur du matériel électrique américain englobe les produits et groupes de produits suivants: disjoncteurs, commutateurs, fusibles, connecteurs, transformateurs, redresseurs, conducteurs électriques isolés et appareils

d'éclairage. Au total, la valeur des groupes de produits visés par l'étude sur le marché d'importation américain se chiffre à environ 3,7 milliards de dollars US en 1988. Ce document fait la lumière sur ce secteur et examine particulièrement les points suivants: les objectifs de l'étude; les conclusions de l'étude de Peat Marwick; les importations américaines de matériel électrique; l'étude du marché; et le contexte.  
CA CO EX SC

# **Etudes sur les débouchés canadiens aux Etats-Unis : pièces d'automobile pour le marché de la construction des véhicules**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures Canada, 1989. 129, 131 p. : ill. Bibliogr. *Bilingue (Studies in Canadian...auto...)*. ISBN 0-662-55982-7  
MICROLOG 90-01982 3 fiche

Le département américain du Commerce (USDOC) signale qu'en 1987, les livraisons américaines de pièces et accessoires d'automobiles se sont chiffrées à 61,5 milliards de dollars US au total. Au cours de cette même année, la valeur des exportations américaines s'est élevée à 14,1 milliards de dollars US, alors que celle des importations américaines a atteint 20,9 milliards de dollars US. Ce rapport donne certaines informations préliminaires sur l'exportation qui pourraient être utiles aux fabricants canadiens, énumère les foires commerciales et les publications professionnelles que préfèrent les exportateurs américains, examine les perceptions que les importateurs américains se font de l'incidence que l'Accord de libre-échange entre le Canada et les Etats-Unis aura sur leurs achats de produits canadiens, et donne les listes tarifaires pertinentes montrant les étapes de mise en application de l'Accord de libre-échange.  
CA CO EX

# **Etudes sur les débouchés canadiens aux Etats-Unis : pièces de machines agricoles**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures Canada, 1988. 59, 59 p. : ill. Bibliogr. *Bilingue (Studies in Canadian...agricultural...)*. ISBN 0-662-55975-4  
MICROLOG 90-01972 2 fiche

L'industrie du matériel agricole englobe une large gamme de produits, dont les suivants, qui sont visés par notre étude: pièces de tracteurs et de machines agricoles comme les charmes, les motobineuses, les semoirs, les planteuses, les presses à fourrages, les faucheuses, les javaleuses, les moissonneuses-andaineuses et les moissonneuses-batteuses. Ces produits occupent la plus grande place sur les marchés d'importations de machines agricoles approvisionnés par des entreprises des principaux pays développés. Ce rapport sectoriel identifie les principaux produits que les Etats-Unis importent depuis des pays développés, explore l'effet de la dévaluation du dollar américain sur le prix de ces importations, et indique lesquels de ces produits pourraient donner à nos fournisseurs de meilleures possibilités d'exportations aux Etats-Unis.  
AG CA EX SC

# **Etudes sur les débouchés canadiens aux Etats-Unis : piles, batteries et accumulateurs**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 22, 22 p. *Bilingue (Studies in Canadian...batteries...)*. CSI 21103.209. ISBN 0-662-55984-3  
MICROLOG 90-01385 1 fiche

Ce rapport sur le secteur des piles, batteries et accumulateurs comprend des statistiques d'importations américaines, un échantillon des



importateurs américains qui s'intéressent aux fournisseurs canadiens et d'autres renseignements d'ordre général compilés au cours de l'examen du secteur.  
CA CO EX ST

# **Etudes sur les débouchés canadiens aux Etats-Unis : produits en matière plastique**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures Canada, 1988. 83, 83 p. : ill. Bibliogr. *Bilingue (Studies in Canadian...plastic...)*. ISBN 0-662-56036-1 MICROLOG 90-01974 2 fiche

L'industrie des plastiques englobe un vaste éventail de produits de consommation, produits commerciaux et produits industriels dans des branches d'activité encore plus nombreuses. Ce rapport se penche sur le groupe des produits divers, notamment: les tubes et tuyaux en plastique ou en caoutchouc, avec ou sans accessoires; les articles ménagers en plastique ou en caoutchouc; les emballages en plastique ou en caoutchouc; les garnitures en plastique ou en caoutchouc; et les articles en plastique ou en caoutchouc.  
CA CO EX

# **Etudes sur les débouchés canadiens aux Etats-Unis : rapport sommaire sur certains secteurs manufacturiers**

Ottawa : Affaires extérieures et commerce extérieur Canada, 1990. 88, 88 p. Bibliogr. *Bilingue (Studies in Canadian...summary...)*. CSI 21103.214. ISBN 0-662-95883-7 MICROLOG 90-03889 2 fiche

Les renseignements fournis dans ce rapport sur la nature et la taille du marché des importations américaines et sur les débouchés et la commercialisation aident les entreprises à déterminer si une étude plus approfondie de certains débouchés est justifiée et, dans l'affirmative, à entreprendre un tel suivi. Il fournit les principales statistiques sur 36 secteurs initialement sélectionnés pour examen mais pour lesquels aucune étude sur les débouchés n'a été effectuée. Le rapport présente également une liste des secteurs commerciaux du gouvernement canadien au Canada et aux Etats-Unis.  
CA CO EX ST

# **Etudes sur les débouchés canadiens aux Etats-Unis : spécialités chimiques diverses**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 67, 65 p. *Bilingue (Studies in Canadian...chemical...)*. ISBN 0-662-55990-8 MICROLOG 90-03059 2 fiche

Le rapport donne certaines informations préliminaires sur l'exportation de spécialités chimiques diverses qui pourraient être utiles aux fabricants canadiens, énumère les foires commerciales et les publications professionnelles que préfèrent les exportateurs américains, examine les perceptions que les importateurs américains se font de l'incidence que l'Accord de libre-échange entre le Canada et les Etats-Unis aura sur leur achat de produits canadiens, et donne les listes tarifaires pertinentes montrant les étapes de mise en application de l'Accord de libre-échange.  
CA CO EX SC

# **Etudes sur les débouchés canadiens aux Etats-Unis : vêtements pour femmes**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 46, 42 p. : ill. *Bilingue (Studies in Canadian...women's...)*. CSI 21103.210. ISBN 0-662-56050-7 MICROLOG 90-01386 2 fiche

Ce rapport porte sur le secteur des vêtements pour femmes. Il comprend des statistiques des

importations américaines, un échantillon des importateurs américains qui s'intéressent aux fournisseurs canadiens et d'autres renseignements d'ordre général recueillis au cours de l'examen du secteur.  
CA CO EX ST

# **Etudes sur les débouchés canadiens aux Etats-Unis : vêtements pour hommes**

Groupe conseil Peat Marwick. Ottawa : Affaires extérieures et commerce extérieur Canada, 1989. 38, 36 p. : ill. *Bilingue (Studies in Canadian...men's...)*. CSI 21103.211. ISBN 0-662-56021-3 MICROLOG 90-01387 1 fiche

Ce rapport porte sur le secteur des vêtements pour hommes et comprend des statistiques des importations américaines, un échantillon des importateurs américains qui s'intéressent aux fournisseurs canadiens et d'autres renseignements d'ordre général compilés au cours de l'examen du secteur.  
CA CO EX ST

# **Les Etudiants africains au Canada : leur profil, les conditions de leur formation et leurs plans de carrières**

par M. Diambomba. Ottawa : Centre de recherches pour le développement international, 1989. xvii, 298 p. Bibliogr. (Rapport manuscrit ; 221f) MICROLOG 90-00270 4 fiche (Available on fiche only)

Cette étude a pour but de contribuer à une meilleure compréhension de la problématique des études à l'étranger. Dans un premier temps, il s'agit de dresser le profil des étudiants africains qui ont la chance de participer à ces programmes. Il s'agit de voir qui y participe, quel est ce qui motive leurs décisions; comment sont-ils sélectionnés; qui décide des choix des programmes d'études et des pays de formation; qui finance leurs études et quel est le degré d'intégration de ces étudiants dans les milieux étrangers. De plus, on évalue l'importance de ces programmes de formation pour l'accroissement du capital humain en Afrique. Finalement, il est question de voir si les participants à ces programmes subissent des changements majeurs quant à leurs objectifs scolaires et leurs plans de carrières, et d'identifier les facteurs qui sont à la base des changements éventuels.  
CA ED EX

# **Europe 1992 : your business opportunity**

Toronto : Ministry of Industry, Trade and Technology ; Québec : Gouvernement du Québec, Ministère de l'industrie, du commerce et de la technologie, 1989. 103 p. : ill., maps. ISBN 0-921894-03-1 MICROLOG 90-01099 2 fiche

This publication describes the European Community from the viewpoint of Canadian business. It also examines the key changes the European Community is making to unify its economies, the effects these changes will have, and the opportunities they will create for Canadian businesses. Finally, it describes the nature of the Canadian-European Community trading relationship.  
CO EX ON PR QU

# **The European community : a Canadian perspective**

Ottawa : External Affairs Canada, 1989. 8 p. (Canadian foreign policy series) MICROLOG 90-02495 1 fiche

Discusses the formation and evolution of the European Community (EC), the four principal institutions through which the EC operates, EC external trade, EC common policies affecting trade, Canada-EC economic and science and technology co-operation, EC 1992, and EC

social policy.  
CA CO EX

# **Europium oxalate ion association in water**

by P.G. Manning. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 12 p. Bibliogr. (Report ; MS 65-126) MICROLOG 90-04645 1 fiche

Report on the partitioning of radiotracer Eu152/154 between aqueous sodium oxalate (Na2L) solutions and toluene solutions of thenoyltrifluoroacetone (HTTA) as a function of the oxalate concentration. The magnitudes of the stepwise stability constant ratios are also discussed.

• CA CM NR PS SC

# **Evaluate foams to improve oil recovery from heavy oil reservoirs : final report**

by M. Sarbar, B.B. Maini and J. Goldman. Calgary, Alta. : Esso Resources Canada, 1989. iv, 80 p. ill. Bibliogr. *CANMET contract: 89020-01-SQ* MICROLOG 90-03387 1 fiche

This experimental investigation was carried out to develop a foam treatment for possible field application in a steam flood operation. The study evaluated several available surfactants to select the most promising and provided data on the effect of several process parameters for the selected surfactant. Six different surfactants, representing a cross section of temperature stable surfactants currently in the market, were evaluated in Ottawa sand cores. The increase in pressure drop across the core resulting from injection of the foaming surfactant with steam into the core containing steam flood residual oil was measured. The extent of surfactant losses due to adsorption and thermal degradation in the field were also considered. The effects of concentration, flow rates, steam quality and non-condensable gas were examined using the selected surfactant.

• AL CA CM EN PS SC

# **Evaluating primary education : qualitative and quantitative policy studies in Thailand**

by A. Chantavanich, S. Chantavanich and G.W. Fry. Ottawa : International Development Research Centre, 1990. x, 234 p. : ill. Bibliogr. (Manuscript report ; 261e) ISBN 0-88936-505-9 MICROLOG 90-02836 3 fiche (Available on fiche only)

The qualitative part of the study provides an in-depth understanding of the complex processes that influence and condition the translation of educational inputs into outputs and outcomes. The quantitative part uses four empirical indicators to reflect school efficiency. It uses factor analysis to create a composite index of efficiency. The two parts together illustrate the importance of social science analytical techniques when evaluating an educational system. It provides recommendations of interest both to education researchers and policymakers.  
CA ED EX

# **Evaluation assessment : ocean dumping and marine program -- Draft.**

Ottawa : Environment Canada, Program Evaluation Branch, 1988. ii, 155 p. : ill. Bibliogr. MICROLOG 90-06314 2 fiche

This evaluation assessment is conducted every 7 years and is a wide-ranging examination of the program to identify problems and consider current and planned initiatives to solve them. Program file review, literature searches and interviews with authorities on the subject areas



were used to develop multiple lines of evidence. As numerical data proved elusive, expert opinion and journalistic analysis were the primary methodologies used. Appendices include the Ocean Dumping Control Act and its regulations, a list of documents reviewed, and information on the dumping of nuclear wastes at sea and marine pollution pathways.  
CA EV SC

**Evaluation assessment report :  
Environment 2000 program : final  
report**

by J.P. Nicholson. Ottawa : Environment Canada, Evaluation Branch, 1984. 93 p. : ill.  
MICROLOG 90-06468 1 fiche

This report contains observations and conclusions of an evaluation framework/assessment of the Environment 2000 program of Environment Canada. The assessment study identified and defined evaluation issues, data required to carry out a formal evaluation, potential evaluation approaches, and lessons learned for potential application elsewhere in the department or the government in general. The evaluation assessment addressed all major aspects of the Environment 2000 program, including both the substantive objectives and the general design, administration and implementation at departmental headquarters and the regional level.  
CA EN SC

**Evaluation d'un programme de pairs  
aidants implanté auprès de deux  
populations étudiantes en concertation  
avec les ressources du milieu**

Marc Tourigny, et al. : subvention recommandée par le Conseil québécois de la recherche sociale. Québec : Hôpital générale de Montréal, Département de santé communautaire, 1989. ii, 40 p. Bibliogr.  
MICROLOG 90-02523 2 fiche

Le but ultime de l'intervention de promouvoir la santé mentale et de prévenir l'apparition de problèmes psycho-sociaux dans une population de jeunes fréquentant l'école secondaire. Ce document se penche sur la problématique, les buts et les objectifs, la méthodologie, l'évaluation de l'implantation, l'évaluation de l'impact, les discussions, la conclusion et les recommandations d'un programme de pairs aidant à renforcer les compétences individuelles et l'entraide chez les jeunes.  
ED HE PR QU

**Evaluation de l'examen mené par la  
Commission d'évaluation  
environnementale du projet de la  
mer de Beaufort**

par B. Sadler. Ottawa : Bureau fédéral d'examen des évaluations environnementales, 1990. 86, 82 p. : ill. Bibliogr. *Bilingue (An Evaluation of the Beaufort Sea...)*. ISBN 0-662-56796-X  
MICROLOG 90-03924 2 fiche

Le rapport se divise en trois parties essentielles: la Section I examine la stratégie de l'étude et le plan de recherche, la Section II analyse le rôle, la pratique et les répercussions de l'examen; la Section III contient les conclusions et recommandations sur le développement du processus. Le rapport comprend également plusieurs annexes qui contiennent des documents d'appui. Chaque section s'amorce par une courte note traitant de l'évaluation.  
CA EV NO SC

**Evaluation de l'impact sur  
l'environnement de la construction  
proposée par Energie NB d'une  
centrale thermique à Millbank  
(Nouveau-Brunswick) : résumé**

Nouveau-Brunswick. Environnement Nouveau-

Brunswick. Fredericton : le Ministère, 1990. 13, 11 p. *Bilingue (Environmental impact assessment... Millbank...)*.  
MICROLOG 90-06526 1 fiche

La Commission d'énergie électrique du Nouveau-Brunswick (Energie NB) propose de construire et d'exploiter une centrale thermique à Millbank (Nouveau-Brunswick). La centrale proposée comprendrait quatre turbines à combustion de 100 W qui brûleraient du gazole (diesel) à faible teneur en soufre (0,5%). Ce rapport examine les effets de la centrale thermique proposée conformément aux directives émises le 1er avril 1990 par le ministre de l'Environnement. Ces directives ont été élaborées en consultation avec les citoyens de la région afin de s'assurer que l'étude traite des questions qui préoccupent le public.  
AP EN EV PR SC

**Evaluation des ABS : recherche  
concernant l'évaluation de la  
performance et de la durabilité du  
système de freinage ABS sur les  
trains doubles de remorques-citernes  
de type B**

associant dans une action coopérative Transports Canada [et] Ministère des transports de l'Ontario. Ottawa : le Ministère ; Toronto : le Ministère, 1990. 16, 14 p. *Bilingue (B-train ABS evaluation...)*  
MICROLOG 90-07205 1 fiche

Ce document présente un projet qui est le fruit des efforts concertés de Transports Canada et du ministère des Transports de l'Ontario pour mettre de l'avant un programme associatif d'actions prioritaires axé sur les grands problèmes du transport routier et réunissant les provinces, le gouvernement fédéral et l'industrie. Son objectif est d'évaluer, en collaboration avec les entreprises de camionnage, la performance, la fiabilité, la durabilité et la maintenabilité des systèmes de freinage ABS, dans le cadre d'un programme d'exploitation expérimentale d'un an sur trains doubles de remorques-citernes de type B et d'une campagne d'essais sur piste. Il se penche principalement sur: la technologie ABS appliquée aux poids lourds, la description des travaux; les essais sur piste, l'évaluation du système ABS en exploitation expérimentale; les comptes rendus techniques, les modalités d'exécution; et l'échéancier et le budget estimatif.  
CA ON SC TR

**L'Evaluation des incidences  
environnementales : un outil de  
planification pour les projets  
d'expansion portuaire : l'expérience  
canadienne**

par G. Riverin. Ottawa : Bureau fédéral d'examen des évaluations environnementales, 1988. 43 p. : cartes géogr. Bibliogr. (Pages choisies ; no 15) *Rapport présenté au Séminaire international sur l'évaluation des incidences environnementales, Port de Baltimore. L'éd. anglaise (Environmental impact assessment...)* sur la même fiche.  
MICROLOG 90-06135 1 fiche

Au Canada, l'évaluation des incidences environnementales (EIE) et le mécanisme d'examen public qui lui est étroitement relié forment un outil pour maximiser, sur le plan aussi bien environnemental que socio-économique, les ratios coûts-avantages des projets de développement. Cet instrument, appelé processus fédéral d'évaluation et d'examen en matière d'environnement (PEEE), permet de tenir compte de toutes les considérations pertinentes de nature technique, écologique, sociale et économique. L'objectif premier de ce document est d'aider les promoteurs, comme par exemple les autorités portuaires fédérales, à planifier et à réaliser des activités qui ne soient pas préjudiciables à

l'environnement.  
CA EV SC

**Evaluation des programmes d'études  
à l'intention des élèves ayant une  
déficience intellectuelle moyenne :  
rapport global**

Québec : Ministère de l'éducation, Direction générale des programmes, Direction de l'adaptation scolaire et des services complémentaires ; Direction du développement de l'évaluation, 1989. 150 p. ISBN 2-550-14822-3  
MICROLOG 90-02008 2 fiche

Au cours de l'hiver 1988, le ministère de l'Éducation a mené une enquête pour évaluer le degré de satisfaction du personnel scolaire concernant les programmes d'études pour les élèves présentant une déficience intellectuelle, à savoir: les programmes Langage et communication, Eveil au raisonnement mathématique, Autonomie fonctionnelle et Initiation aux arts. Un questionnaire a été adressé à trois catégories de personnel: les enseignants qui s'occupent d'un ou de plusieurs élèves présentant une déficience intellectuelle, les conseillers pédagogiques responsables de ces programmes ainsi que les directeurs des services éducatifs concernés. Ce document présente les résultats de cette enquête.  
ED PR QU

**Evaluation du marché du gaz  
naturel, 1989-91**

Ottawa : Office national de l'énergie, 1989. v, 113 p. : ill., cartes géogr. Bibliogr. *L'éd anglaise (Natural gas market...)* sur la même fiche. CSI 22158.004. ISBN 0-662-95738-5  
MICROLOG 90-05836 3 fiche

Ce rapport porte sur deux grands points: une mise à jour de l'évaluation détaillée de la structure et du fonctionnement du marché du gaz naturel présenté dans le rapport d'octobre 1988; et l'examen des perspectives à court terme en prévoyant l'offre et la demande de gaz naturel pour 1989, 1990 et 1991 et en analysant la capacité pipelinère. Le rapport comprend également quatre annexes. La première comprend une liste des abréviations et des facteurs de conversion, ainsi qu'un glossaire. La deuxième présente une mise à jour de la réglementation du gaz naturel au Canada, qui faisait l'objet de l'annexe A du rapport d'octobre 1988. L'annexe 3 met à jour la description des formules d'achat de gaz qui constituait la section 3.1 du rapport d'octobre 1988. Et, l'annexe 4 offre un résumé des contrats conclus entre WGML et les distributeurs.  
CA EN SC ST

**Evaluation du programme de la  
diversification de l'industrie du crabe,  
Tandem 2000 : rapport final**

par P. Poulin. Fredericton : Bibliothèque de l'Assemblée législative, 1989. ii, 111 p. Bibliogr.  
MICROLOG 90-04556 2 fiche

Ce document donne l'état de chaque projet sous les deux programmes de diversification industrielle, le régulier et celui axé sur l'industrie des pêches, et un autre relevé d'ordinateur portant sur le programme 'Entreprises'. Ensuite, il donne les deux tableaux portant sur les deux composantes du programme de diversification industrielle. Finalement il résume pour chaque projet approuvé le nombre d'emplois et de personnes/semaines créés et le montant accordé.  
AP FI PR SC

**Evaluation du Programme de  
logement public**

Ottawa : Société canadienne d'hypothèques et de logement, Division de l'évaluation de programme, 1990. 355 p. *Sommaire (72 p.)*



inclus. L'éd. anglaise (*Evaluation of the Public...*) : 90-05197/5. CSI 22118.214F. MICROLOG 90-05196 5 fiche

L'évaluation étudie dans quelle mesure le programme réalise actuellement ses objectifs et à quel prix. L'évaluation porte surtout sur quatre grands domaines: l'état matériel du parc, le rendement de la gestion, les dépenses de fonctionnement et la qualité de vie de la clientèle du programme. L'évaluation est fondée sur un exercice de consultation et d'élaboration des lignes de conduite portant sur les possibilités qui s'offrent pour l'avenir en matière de la gestion du parc de logements publics. CA SA ST

#### **Evaluation du programme de mathématiques au Manitoba, 1987 rapport final : écoles franco-manitobaines**

Manitoba. Education Manitoba. Curriculum Development and Implementation. Winnipeg : Education Manitoba, 1988. viii, 71 p. : ill. ISBN 0-7711-0779-X. MICROLOG 90-00193 1 fiche

Ce rapport contient la description, l'analyse, les conclusions et les recommandations des deux composantes du projet d'évaluation en mathématiques pertinentes aux écoles franco-manitobaines, soit: les tests de rendement en 3e, 6e, et 9e années, ainsi que le sondage mené auprès des enseignants. De plus, le document contient les deux autres rapports pertinents à ce projet d'évaluation, soit: le rapport final qui contient les données sur les items et les sous-tests de chaque test; et, le rapport sommaire qui se veut un aperçu du rapport final. ED MS PR

#### **Evaluation du programme de perfectionnement collectif, 1985-86**

Québec : Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, Direction des affaires éducatives, 1986. 101 p. CSI/66131.016. ISBN 2-550-16096-7. MICROLOG 90-02038 2 fiche

Au trimestre d'automne 1985, un bilan du programme a été effectué. La présente évaluation fait suite à ce bilan. Elle a comme but de faire connaître le taux de satisfaction des collèges à l'égard du programme. Le document présente les résultats de cette évaluation et révèle la gestion, les applications et l'évaluation du programme de perfectionnement collectif. Ce programme a pour objectif la mise à jour des connaissances pédagogiques et disciplinaires liées au développement technologique ou à l'évolution sociale. ED PR QU ST

#### **Evaluation du programme de perfectionnement provincial des professionnelles et des professionnels des cégeps : rapport de recherche**

Québec : Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, 1989. 122 p. ISBN 2-550-19769-0. MICROLOG 90-01882 2 fiche

Le mandat de recherche de cette évaluation fait état: de la pertinence des objectifs et de la structure du programme; du degré de satisfaction des participants au programme et des administrateurs des cégeps; de l'impact pour le réseau du perfectionnement du personnel professionnel des cégeps réalisé dans le cadre de ce programme; des forces et des faiblesses de la procédure de formulation des projets; et, des modifications à apporter aux objectifs et à la structure du programme afin de répondre de façon optimale aux besoins. ED PR QU

#### **Evaluation du programme de perfectionnement provincial des professionnelles et des professionnels des cégeps : résumé du rapport et recommandations**

Québec : Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, 1989. 17 p. ISBN 2-550-19769-4. MICROLOG 90-01877 1 fiche

Ce document résume les résultats d'une recherche effectuée au cours de l'année scolaire 1988-1989 dans le réseau collégial dont l'objectif est de procéder à l'évaluation du Programme de perfectionnement provincial des professionnels des cégeps. Plus précisément, le mandat de recherche porte sur la méthodologie de l'enquête; les données sur les groupes consultés; le personnel professionnel et de perfectionnement; les données sur les activités de perfectionnement; les règles administratives du programme provincial; les obstacles au perfectionnement; et, le programme de perfectionnement provincial. ED PR QU

#### **Evaluation du rapport 75-INSAG-3 de la Collection sécurité de l'AIEA : basic safety principles for nuclear power plants**

Canada. Comité consultatif de la sûreté nucléaire. Ottawa : le Comité, 1989. ii, 9 p. Bibliogr. L'éd. anglaise (*Assessment of IAEA safety series...*) sur la même fiche. MICROLOG 90-01712 1 fiche

Ce document présente le rapport INSAG qui est basé sur trois objectifs prépondérants de sûreté et une série de douze principes fondamentaux de sûreté, dont trois touchent à la gestion de la sûreté, trois à la défense en profondeur et six aux questions techniques. Il indique, en outre, certains principes particuliers de sûreté. Le Comité consultatif de la sûreté nucléaire a confronté les objectifs de sûreté mentionnés dans le rapport INSAG et le rapport CCSN-2 qui traite de ces objectifs par rapport aux activités nucléaires au Canada, puis les principes de sûreté du rapport INSAG et les exigences de sûreté prévues dans le rapport CCSN-4. Finalement, le rapport illustre particulièrement bien les liens qui existent entre les objectifs de sûreté et les principes de sûreté, ainsi que les liens logiques entre les objectifs et les principes. Le rapport souligne aussi comment certains principes fondamentaux (c'est-à-dire les responsabilités de gestion et la défense en profondeur) dominent toute la structure des principes de sûreté. • CA EN PS SC

#### **L'Evaluation du risque pour la santé : la protection de la santé : un défi**

Ottawa : Santé et bien-être social Canada, 1990. 34, 34 p. : ill. Bilingue (*Health risk determination...*). ISBN 0-662-56897-4. MICROLOG 90-03978 1 fiche

Depuis toujours, pour l'être humain, la vie quotidienne comporte des dangers, mais la nature de ces dangers a changé avec les années. Ce document étudie la question en se penchant sur les points suivants: les différents aspects de la protection de la santé; la notion de risque; la mise en application du modèle, les perspectives d'avenir; et la conclusion. CA HE SA SC

#### **Evaluation économique de l'intervention de zonage des plaines inondables dans la région de l'Outaouais**

par P. Morissette...et al. Sainte-Foy, Québec : Environnement Canada, Institut national de recherche sur les eaux, Direction de la recherche sur les lacs, Centre canadien des eaux intérieures, 1988. ix, 44 p. : ill. Bibliogr. (Série scientifique ; étude no 161) L'éd

anglaise (*An Economic assessment...*) sur la même fiche. ISBN 0-662-95216-2. MICROLOG 90-06403 2 fiche

Parmi toutes les mesures disponibles pour diminuer les pertes causées par les inondations, le zonage en est une qui permet de limiter l'accroissement des activités économiques dans certaines parties des plaines inondables. Cette étude a pour but d'évaluer la rentabilité économique du programme de zonage des plaines inondables appliqué par la Communauté régionale de l'Outaouais à la suite de la désignation de ses zones inondables dans le cadre du programme fédéral-provincial de cartographie des risques d'inondation. CA EV QU SC

#### **L'Evaluation environnementale : partie intégrante du processus décisionnel à l'aube des années 90**

Ottawa : Conseil consultatif canadien de l'environnement, 1988. vii, 57 p. Bibliogr. ISBN 0-662-94801-7. MICROLOG 90-03113 1 fiche

Ce rapport contient un grand nombre de recommandations qui modifient le processus actuel, tout en lui conservant un grand nombre de ses caractéristiques. Parmi les principaux sujets traités se trouvent: le rôle du Conseil consultatif canadien de l'environnement; le contexte et le rôle de l'évaluation environnementale; un bref historique du processus d'évaluation et examen matière d'environnement, les principales caractéristiques du processus, les questions particulières; et, les annexes. CA EV PA SC

#### **L'Evaluation environnementale au Canada : propositions de réforme**

par J.R. Robertson. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 32 p. Bibliogr. (Etude générale ; BP-219F) L'éd. anglaise (*Environmental impact...*) sur la même fiche. ISBN 0-660-92873-6. MICROLOG 90-05367 1 fiche

Dans un jugement rendu en avril 1989, la Section de première instance de la Cour fédérale du Canada a déclaré que la réalisation du projet de barrage Rafferty Alameda sur la rivière Souris, en Saskatchewan, ne pouvait se poursuivre. Depuis le jugement de la Cour fédérale, de nombreux groupes estiment que le gouvernement fédéral devrait exiger que divers projets et propositions fassent l'objet d'évaluations environnementales. Ce document donne un aperçu des dispositions fédérales actuelles en matière d'évaluation environnementale ainsi que des diverses recommandations et propositions faites en vue d'améliorer le processus en vigueur. CA EV SC

#### **Evaluation épidémiologique de l'incidence des intoxications aiguës dans les pays en développement : rapport d'un groupe scientifique du Centre de recherches pour le développement international et le Programme international relatif à la sécurité des substances chimiques**

édité par Gilles Forget. Ottawa : Centre de recherches pour le développement international, 1989. 58 p. : ill. Bibliogr. (Rapport manuscrit ; 219f) L'éd. anglaise (*Epidemiologic assessment of acute poisoning...*) : 90-00249/1. L'éd. espagnole (*Análisis epidemiológico de la frecuencia...*) : 90-00331/1. MICROLOG 90-00273 1 fiche (Available on fiche only)

Ce document propose des orientations générales pour l'étude de l'incidence des intoxications dans les pays en développement. On y examine particulièrement les mesures d'incidence et de mortalité; la définition des cas d'intoxication aiguë; les variables intéressantes.



la population exposée au risque; la collecte des données; l'analyse des données; et les orientations spécifiques de l'élaboration d'un protocole d'évaluation de l'incidence des intoxications aiguës à l'aide de données hospitalières.  
CA EX HE LS SC

# **Evaluation et traitement fiscal des rentes imputées appartenant aux propriétaires occupants**

par R.-P. Domingue. Ottawa : Conseil économique du Canada, 1987. ix, 122 p. : ill. Bibliogr. (Document ; no 322) ISSN 0225-8021  
MICROLOG 90-06651 2 fiche (Available on fiche only)

Ce document est un des résultats de trois années d'étude sur l'imposition du rendement du capital, c'est-à-dire les revenus tirés de l'épargne et de l'investissement. Ce programme de recherche revêt d'importantes dimensions aussi bien dans le temps que dans l'espace. Le document analyse les effets de l'imposition du rendement du capital sur la production et les niveaux de vie tant actuels que futurs. Il examine également les impôts prélevés par tous les paliers de gouvernement au Canada, de même que les répercussions à l'échelle internationale de l'imposition du rendement du capital.  
● CA CO

# **Evaluation génétique des taureaux de boucherie en station : rapport des tests, hiver 1987-88**

Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, 1989. iv, 90 p. CSI 66103.005 ISBN 2-550-20038-1  
MICROLOG 90-03303 2 fiche

En 1987-88, 8 stations régionales pour l'évaluation génétique des taureaux de boucherie ont permis à plus de 268 éleveurs du Québec de regrouper certains de leurs jeunes taureaux pour fins d'évaluation et de comparaison des performances individuelles. Un total de 923 taureaux ont été admis dans les diverses stations et 898 ont complété l'épreuve. Ce document se penche sur les points suivants. les objectifs de l'évaluation en station; les conditions d'admissibilité des taureaux en station; le déroulement de l'épreuve; la gestion sanitaire des taureaux; l'appréciation de la capacité reproductive; les résultats d'épreuve; la méthode de calcul des résultats, le système de planification de test des taureaux en station (logiciel); et, la conclusion.  
AG PR QU SC ST

# **Evaluation of alumina/Zn-27Al metal matrix composites**

by S. Dionne, et al. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. iii, 37 p. : ill. Bibliogr. (Report ; MTL 89-81(TR))  
MICROLOG 90-07114 1 fiche

Commercial Zn-Al foundry alloys such as ZA 27 are in increasing use in many applications and effectively compete against copper, aluminum and iron-based foundry alloys. However, Zn-Al alloys suffer from poor elevated temperature properties which restrict their performance for some applications. This investigation examined the effects of alumina fibre reinforcement on the elevated temperature properties of a Zn-Al foundry alloy. Billets of unreinforced Zn-Al matrix alloys were fabricated by squeeze casting. The chemical composition, reinforcement distribution and microstructure of these materials were characterized. Tensile and impact properties were evaluated at 25C, 100C and 150C as well as compression and fatigue properties at 25C and 100C. Wear and creep tests were also performed on the unreinforced alloy and composites. Fractographic examinations were carried out to

determine the operative fracture mechanisms.  
● CA CM PS SC

# **Evaluation of anchor grouting and bearing pad materials for use in transmission line construction at low temperatures : field evaluation of anchor grouts : pullout test results**

by J.A. Sato and J.J. Deans. Toronto : Ontario Hydro, Research Division, 1989. i, 40 p. : ill. Bibliogr. (Report ; no. 89-129-K) MICROLOG 90-01173 1 fiche

In 1987, a laboratory investigation was undertaken to assess anchor grouting material suitable for use at sub-freezing temperatures for the construction of transmission lines. Part of this investigation included carrying out field trials (e.g., rock anchor pullout tests) using the most promising grouts identified in the laboratory study. These pullout tests were conducted at a site near Lennox Transformer Station. This report presents the results from the pullout tests, including analyses and recommendations regarding the use of all the products that were tested.  
EN ON PR PS SC

# **Evaluation of and operating experience with a Heat Harvester green chip pre-furnace, 1985-86**

by C.A. Short. Ottawa : Energy, Mines and Resources Canada, Renewable Energy Division, 1987. 107 p. : ill. Bibliogr. MICROLOG 90-00383 2 fiche

Evaluation of the performance of a Heat Harvester green chip pre-furnace over the 1984-85 heating season. The combustion system was designed and fabricated by the Heat Harvester Corp., Carrboro, North Carolina and is intended to burn a variety of wood, vegetable, and paper waste fuels. The appliance incorporates a mechanically-stoked, horizontal tunnel burner and is equipped with various controls to provide automatic ignition of the fuel, removal of ash, rapid burn-out of remaining coals on shut-down, and a clean burn when running. A manually-filled hopper provided as part of the device holds a supply of fuel sufficient for several hours of continuous operation. It is intended to be coupled to a hot air furnace or a hot water boiler which serves as a heat exchanger.  
● AP CA EN PS SC

# **Evaluation of biocorrosion in pipelines : final report**

by F.G. Ferris. Calgary, Alta. : Nova Husky Research Corporation, 1989. ii, 32 p. : ill. Bibliogr. CANMET contract: 89186-01-SQ. MICROLOG 90-01204 1 fiche

Evaluation of the effects of an input of viable planktonic bacteria on the development of corroding microbial biofilms and biocide performance at the Wainwright heavy oil field water injection field test facility near Wainwright, Alberta. Data were collected over 8 weeks from 5 separate slip-streams in a common loop off the main water injection line. Attached microbial populations were allowed to develop during the first 4 weeks of monitoring, then 2 lines were treated with a combination of ultraviolet radiation, to disinfect input water streams, and a cocodiamine biocide. A third line was treated with biocide alone; the two remaining lines were used as controls.  
● AL CA CM PS SC TR

# **Evaluation of dehumidifiers in a rose greenhouse**

Guelph, Ont. : Agricultural Energy Centre, 1988. 15 p. : ill. (Report ; no. 88-4510) MICROLOG 90-03939 1 fiche

A dehumidifier can reduce the relative humidity in a greenhouse without the need for ventilation and can contribute towards fuel savings. This

report presents the results of an evaluation of 2 Dry-O-Tron model DA24 dehumidifiers with 5 ton compressors in a commercial rose growing greenhouse. Monitoring was done on dry bulb and wet bulb temperatures, relative humidity, condensate from the dehumidifiers, electrical energy consumption, and air flow rate through the dehumidifiers.  
AG EN ON PR SC

# **Evaluation of ecological constraints on peat mining in New Brunswick**

by H. Gautreau-Daigle. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1990. vii, 71 p. : maps. Bibliogr. (Open file report ; 90-6) ISSN 0712-4562  
MICROLOG 90-06086 1 fiche

Horticultural peat mining is a major natural resource based industry in eastern New Brunswick. The largest peat bog complex is located in the Escuminac Peninsula. Currently, 5 companies operate Crown leases and several resource development projects have been proposed, leading to concern over their impact on moose and waterfowl usage. This study was undertaken to obtain baseline information on moose and waterfowl usage of peatlands in the Escuminac bog complex to determine the impact of existing peat mining activities. The report presents the results of a waterfowl population survey and a moose population survey.  
AG AP EV NR PR

# **Evaluation of effects of deep waste injection in the Cold Lake area, Alberta**

by B. Bachu. Edmonton : Alberta Research Council, Alberta Geological Survey, 1989. v, 57 p. : ill., maps. Bibliogr. (Bulletin ; no. 60) MICROLOG 90-05913 1 fiche

The regional and local effects of underground injection of wastewater from in situ oil sands pilot plants were evaluated at sites in the Cold Lake area, using projected injection rates up to 2015. Geochemical effects were investigated in a suite of cases representative of the injection aquifers and conditions of injection in the Cold Lake oil sand deposit. Fracturing thresholds were evaluated at several sites, based on the geomechanical properties of the rocks. The regional effects of deep waste disposal were simulated on a large scale for pressure buildups at 27 sites. Local scale simulations were performed for the same sites as were the evaluations of geochemical effects and fracturing thresholds.  
AL EN EV PR SC

# **Evaluation of emission control systems on a catalytic woodstove as used in Whitehorse**

by C.A. Simons. Beaverton, OR : OMNI Environmental Services, 1989. v, 207 p. : ill. Bibliogr. CANMET contract: 89087-01-SQ. MICROLOG 90-02544 3 fiche

This report represents a follow-up study of the performance of the replacement catalytic combustors installed in Blaze King 'King' (Model KEJ 1101) woodstoves used during the 1987-88 heating season in two homes located in Whitehorse, Yukon Territory. The study evaluated the integrity of key components of the emission control systems of the 2 Blaze King 'King' catalytic woodstoves in the homes and assessed the emission reduction performance of the catalytic combustors in the stoves under laboratory conditions. The study included a thorough inspection of the emission control systems of the woodstoves in both homes in October 1988 and replacement of new combustors. To quantify the amount of catalyst bypass leakage, a testing instrument was used to measure flow rates at various draft levels. A detailed interview of the residents in both homes was conducted to



determine how their woodstoves were fueled and operated during the 1987-88 heating season.

• CA EN NO PS SC

#### Evaluation of energy production potential of the Linden Lee Farms anaerobic digestion and electrical co-generation system : final report

Canviro Consultants Ltd. Ottawa : Energy, Mines and Resources Canada, Renewable Energy Division, Bioenergy Development Program, 1988. vii, 24 p. : ill. Bibliogr. MICROLOG 90-00384 1 fiche

Evaluation of the energy production potential for the Linden Lee Farms of Cornwall, Prince Edward Island, anaerobic digestion and electrical co-generation system by conducting a mass and energy evaluation on the Linden Lee system and then comparing this information to the Agriculture Canada published information and information collected at Selves Farms Ltd. in Fullerton, Ontario. A detailed review of the manure production and manure characteristics was performed and comparisons were made to the Agriculture Canada published literature and to data collected at Selves Farms. An energy balance around the co-generation system was performed and the energy production potential for Linden Lee Farms was estimated, based on a production of 456 kg VS and a specific gas production rate of 0.3 cubic metres/kg Vs.d, at 137 cubic metres of biogas/d or 3034 MJ/d.

• AG AP CA EN SC

#### Evaluation of estimates of phosphorus concentrations and loadings from Ontario municipal wastewater treatment plants

by D.T. Chapman and W.G. Randle. Toronto : Environment Ontario, 1990. x, 130 p. : ill. Bibliogr. ISBN 0-7729-6358-4 MICROLOG 90-04593 2 fiche

A study was undertaken to assist in the development of future management strategies for controlling phosphorus discharges into the Great Lakes from municipal wastewater treatment plants. The study evaluated the accuracy and precision of basin-wide estimates of phosphorus concentrations and loadings and developed recommendations for improving the management and analysis of data collected from the plants. For the 96 plants larger than 4,546 cu m/d, annual mean flow rates, effluent total phosphorus concentrations, and total phosphorus loadings for 1981-85 were obtained, as well as sets of completed questionnaires summarizing interviews with operators concerning factors affecting phosphorus removal efficiency. A second database was examined to establish how different types of samples (grab, composite, flow-weighted composite) influenced daily phosphorus concentration estimates. 1985 data were also obtained for 3 Metro Toronto plants to examine their performance.

CI EV ON PR PW SC

#### Evaluation of hydrated lime as an anti-stripping agent in the hot-mix recycling of a badly stripped pavement

by R.C. Evers...et al. Toronto : Ministry of Transportation, Materials Information, Engineering Materials Office, 1989. 11 p. (Materials information report ; MI-139) ISBN 0-7729-6808-X MICROLOG 90-03537 1 fiche

Highway 11, Englehart northerly to the junction of Highway 112 called for the recycling of a badly stripped asphalt pavement. As some U.S. states have had success recycling stripped pavements using hydrated lime as an anti-stripping agent, it was decided to include a lime-treated trial for a portion of this project with a conventional proprietary anti-stripping agent as a control. The contract required the lime to

be uniformly pre-mixed through a pug-mill at the rate of 1% by weight of the respective aggregates having a minimum moisture content of 3%. This report presents the results of a field trial, conducted in July 1988.

ON PR PS SC TR

#### Evaluation of methods for diagnosing Myxosoma cerebralis infection of salmonidae

by E.M. Munteanu, O. Onetiu and O. Rotaru. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5117) Originally published in Romanian, in Romania. ISSN 0704-3716 MICROLOG 90-00047 1 fiche

*Myxosoma cerebralis* infection was first recorded at the beginning of this century. In the last few decades, it has become increasingly common due to intensive worldwide breeding of salmonids (rainbow trout). The disease attacks young trout during the first year of life, coinciding with the onset of feeding. This report presents the result of research on the validity, rapidity and efficiency of some methods for diagnosing the infection.

• CA CF FI LS SC

#### An Evaluation of methods for the extraction of dissolved organic compounds from sea water

by J.D. Leonard, N.F. Crewe and R. Pocklington. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 19 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1606) ISSN 0706-6457 MICROLOG 90-04869 1 fiche

Although many extraction methods have been used for organic compounds in sea water, very few comparisons of these methods have been published. This report presents an evaluation of 3 of the most common methods. Organic compounds were extracted using adsorption on an XAD2 resin, direct solvent extraction in glass samplers and solvent extraction in a continuous flow extractor. Advantages and disadvantages are given for each method.

• CA CF PS SC

#### An Evaluation of MTO specifications for tree planting and maintenance

by G.P. Lumis and K. Khanna. Toronto : Ministry of Transportation, Research and Development Branch, 1990. vi, 37 p. : ill. Bibliogr. MICROLOG 90-06623 1 fiche

There are conflicting reports in the literature and some differences of opinion among landscape professionals on the best methods of transplanting trees. A 4-year study (1985-90) was undertaken to determine the effects of backfill soil amendments, top pruning, surface treatment/weed control, and staking. The study site was on the west side of Highway 86 south of Rural Route 17, near St. Jacobs. Soil at the site consisted of 7-10 cm of top soil overlying 'heavy' grey clay. Three metre tall green ash trees were planted in augured holes 60 cm wide and 30 cm deep and parameters such as shoot growth, trunk taper or diameter, leaf water potential, canopy density, leaf colour, leaf scorch, foliar nutrient content, soil moisture and soil temperature were measured in most or all years. At the end of the study roots of the backfill and surface treatment trees were excavated for observation and measurement. Results in this report concentrate on the final year of study (1988).

ON PR SC TR

#### Evaluation of Ontario Hydro Research Division HTDX2 time-delay-on-pickup relay

by R.W. Beresh. Toronto : Ontario Hydro, Research Division, 1990. 11 p. Bibliogr. (Report ; no. 90-77-K) MICROLOG 90-06099 1 fiche

Results of laboratory tests conducted on the Ontario Hydro Research designed HTDX2 relay, being considered for use in standard protection specifications for general use in generator and transformer stations.

EN ON PR SC

#### Evaluation of polymers and filtration performance of Brazilian bleaching clay

by R. Frenette. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1986. i, 32 p. : ill. Bibliogr. (Report ; ERP/CRL 86-99(CF)) MICROLOG 90-01319 1 fiche

Study to find suitable potable grade flocculants that would give high filtration rate and a clear filtrate in the recovery of edible oil from a bleaching process using clay. Screening of flocculants were performed by using nonpotable grade flocculants available in the laboratory, then the equivalent potable grade flocculants obtained from their respective suppliers and/or manufacturers. To evaluate the performance of the flocculants, sediment height of the settled flocs in the beaker, clarity of the collected filtrate, and filtration rate of the flocculated clay/oil suspension were measured. Materials included two bags of Brazilian raw clay, differentiated by degree of grinding, and a commercial brand of soybean cooking oil. Several potable and nonpotable grade commercial polymers ranging from 62-100% polyacrylamide were evaluated.

• CA CM PS SC

#### An Evaluation of putative lake trout *Salvelinus namaycush* spawning sites in the Great Lakes

by M.L. Thibodeau and J.R.M. Kelso. Burlington, Ont. : Dept. of Fisheries and Oceans, Great Lakes Laboratory for Fisheries and Aquatic Sciences, Bayfield Institute, 1990. vii, 29 p. : maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1739) ISSN 0706-6457 MICROLOG 90-06982 1 fiche

Native stocks of lake trout were severely depleted in much of Lake Superior and became virtually extinct in Lakes Michigan, Huron, Erie and Ontario during the 1940-50s. The Great Lakes Fisheries Commission has developed a series of 7 goals for Lake Superior, one of which was the restored use of historical spawning reefs by lake trout. This assumed an ability to identify characteristics of spawning locations. To determine common factors among spawning sites, published material of lake trout spawning in the Great Lakes was reviewed and spawning sites were identified and enumerated, depth and substrate characteristics were summarized, and information sources were evaluated.

• CA CF FI LS ON SC

#### Evaluation of rare-element pegmatites in NWT

by P. Cerny. Yellowknife : Indian and Northern Affairs Canada, NWT Geology Division, 1988. 3 v. : ill., maps. Bibliogr. Contents: Vol. 1 Preliminary report : material and sources -- vol. 2 : Progress report : the plex (Eskimo Hill) pegmatites, Generator Lake, Baffin Island, N.W.T. -- vol. 3 : Final report : comparison and evaluation of three rare-element pegmatite populations in the N.W.T. : southern Slave province, central Baffin Island, and Chantry Inlet MICROLOG 90-00426 2 fiche



Examination of rare-element populations in the southern Slave Province, Eskimo Hill (Baffin Island) and Chantry Inlet through literature searches, sampling for laboratory analysis, and any other pertinent information.  
NO NR PR PS SC

### Evaluation of refractory gold processing options for New Brunswick

by P.J. Whalen and J.D. Thibault. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. 351 p. : ill. Bibliogr. (Open file report ; 89-46) ISSN 0712-4562  
MICROLOG 90-01601 4 fiche

Overview of the technologies available to treat refractory gold ores together with selection criteria for technologies designed to treat ores having an arseno-type refractory matrix. A bench scale test program was used as a basis for developing capital and operating cost estimates for the 3 most viable technologies and the relative economics of selected technologies were compared for a centralized processing facility or custom mill and a conventional integrated stand alone plant. A bulk sample of ore was obtained from the Elmtree deposit in the west Gabbro zone.  
● AP CA NR PS SC

### Evaluation of sapstain control chemicals on eastern spruce-fir and white pine

Norman Whitney ; with John Johnson, Shaun Price, Ronald Belczewski. Fredericton : University of New Brunswick, Wood Science and Technology Centre, 1990. vii, 22 p.  
MICROLOG 90-05702 1 fiche

Sapstain on lumber, caused by fungal growth on the surface of sawwood of freshly-sawn lumber, results in discoloration of the wood, thereby reducing its economic value. Traditional control of sapwood stains has consisted of treatment of freshly-sawn lumber with Pentachlorophenol (PCP) formulations. Recent banning of PCPs in some importing countries has necessitated the adoption of alternative fungicides. This is the 3-month report of an experiment evaluating the effectiveness of 10 fungicides for control of sapstain on freshly-sawn white pine, as well as on a spruce-fir mixture grown in New Brunswick.  
● AP CA FO SC

### Evaluation of sea ice thickness sensors : final report

prepared for Transportation Development Centre, Transport Canada ; by James R. Rossiter, Louis A. Lalumière. Toronto : Canpolair Inc., 1988. xii, 58 p. : ill., maps. Bibliogr.  
MICROLOG 90-01740 1 fiche

As operations in Canadian ice-infested waters increase, so will the need for an effective helicopter-borne ice thickness sensor. This study evaluated the C-CORE impulse radar, the MPB synthetic pulse radar, and the Geotech electromagnetic (EM) induction system, near Resolute Bay, NWT, in April-May 1987, over first-year and multi-year sea ice and iceberg fragments. Measurements were made from a Bell 206L helicopter at altitudes of approximately 30 m and speeds up to 100 knots.  
CA NO PS SC TR

### Evaluation of the adult night class program

prepared by Research and Analytical Services, Human Resource Development, P.E.I. Department of Industry ; in co-operation with Adult and Continuing Education, Human Resource Development, P.E.I. Department of Industry. Charlottetown : The Services ; The

Section, 1988. 157 p.  
MICROLOG 90-04113 2 fiche

The main objective of the Adult Night Class Program is to increase the academic attainment level of all adult residents in Prince Edward Island who currently possess less than a Grade 12 equivalency. In an effort to determine whether the Program is achieving this objective, the Department of Industry conducted an evaluation of the Program during the summer of 1987. This report presents an analysis of the results of this evaluation and concludes with some recommendations for improving the Program.  
AP ED PR

### An Evaluation of the Beaufort Sea Environmental Assessment Panel review

by B. Sadler. Ottawa : Federal Environmental Assessment Review Office, 1990. 82, 86 p. : ill. Bibliogr. *Bilingual (Evaluation de l'examen mené...)*. ISBN 0-662-56796-X  
MICROLOG 90-03924 2 fiche

The final report of the Beaufort Sea environmental assessment panel was submitted in July 1984, concluding the lengthiest (4 years) and most comprehensive public inquiry conducted to date under the Federal Environmental Assessment and Review Process (EARP). The review also represented a significant expansion in the use of EARP for planning and management of northern development. For these reasons, the Review Office commissioned an evaluation of the Beaufort Sea experience to examine the policy and institutional implications of the mandate of the Beaufort Sea review; to analyze the operational effectiveness of review procedures, especially those that represent departures from conventional practice; and to consider the contribution of the panel's report to environment and development decision-making. This report examines the study strategy and research design; analyzes the role, practice, and impact of the panel review; and contains conclusions and recommendations on process development.  
CA EV NO SC

### Evaluation of the Bracke Moulder in the northern clay section

by J.-D. Leblanc. Sault Ste. Marie, Ont. : Canadian Forestry Service, Great Lakes Forestry Centre, 1990. 29 p. : ill. Bibliogr. (Information report ; O-X-402) ISSN 0832-7122 ISBN 0-662-16812-7  
MICROLOG 90-04346 1 fiche

The Bracke Moulder is a Swedish implement based on the Bracke two-row cultivator which creates a higher spot for planting, especially on sites prone to late or early frosts, and produces a greater volume of mineral soil to help the growth of the stock. This study was designed to evaluate the ability of this machine to produce plantable microsites in areas characterized by a deep, compact clay-silt hardpan overtopped by a silty loam and duff layers. The study area was located in Canton Noyelles 100 km northwest of Lebel-sur-Quévillon, Québec in the northern clay section of the boreal forest region.  
● AG CA FO QU SC

### Evaluation of the Canada Water Act and funding

Ottawa : Environment Canada, 1987. x, 50 p. : ill.  
MICROLOG 90-06375 1 fiche

The evaluation of the Act activities and charting of new directions was carried out by a study team composed of six senior headquarters and regional Department of Environment managers. The report includes chapters which cover the history of the CWA, evaluation of the Act's potential, the documentation of expenditures by year and project type, and the regional distribution of expenditures. The report then

evaluates the impacts of the Act in terms of its influence, and defines future directions which would best meet the needs of the Federal Water Policy and changing external and internal influences. The report includes recommendations which, if implemented, will move CWA programs toward the defined future directions.  
CA EV NR PS SC

### Evaluation of the Canada-Manitoba Subsidiary Agreement on Communications and Cultural Enterprises, study no. 1 : final report

Epstein Associates Inc. Winnipeg : The Corporation ; The Agreement, 1988. iv, 169 p.  
MICROLOG 90-06251 2 fiche

Contains an evaluation of the Agreement's rationale, achievement of its objectives, and the need for a new federal-provincial agreement, including possible alternatives to the current ERDA model. It includes an assessment of the Agreement Management function and makes a number of recommendations with respect to the current Sub-Agreement and future federal-provincial arrangements. In addition, it contains an evaluation of three discrete Agreement components: the 1984-85 Film/Video/Audio Advisory Committee, the Ethnocultural Communications Centre, and the Public Information function.  
● CA CU MS SC TE

### Evaluation of the crab industry diversification program, Partners 2000 : final report summary

by P. Poulin. Fredericton : Legislative Library, 1989. 41 p.  
MICROLOG 90-04557 1 fiche

Evaluation of the jobs created in Kent County, the Southeast and the Acadian Peninsula by the various programs developed in the Partners 2000 project, as well as the training programs attached to some of them. The report draws a profile of the labour force targeted by these programs, the level of satisfaction of both employers and employees, an evaluation of the system used to implement the effort undertaken, and a look at how the programs that were developed could be improved. A summary of the context surrounding the program is given, along with recommendations for improvements.  
AP FI PR SC

### An Evaluation of the harvest distribution, survival and exploitation rate of selected wild coho salmon stocks of the lower Fraser River area

by N.D. Schubert and M.R. Zallen. New Westminster, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. xiii, 97 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2052) ISSN 0706-6473  
MICROLOG 90-04974 2 fiche

Coded wire tags were applied to wild coho salmon stock in the Vedder-Chilliwack, upper Chilliwack, Salmon, upper Pitt, Birkenhead and Campbell rivers and Salween Creek from 1976-82. Harvest was assessed through the coast-wide mark recovery program, and escapement was assessed through field studies.  
● BC CA CF FI SC

### Evaluation of the microbial loop in the North American Great Lakes

by T. Weisse and M. Munawar. Burlington, Ont. : Dept. of Fisheries and Oceans, Great Lakes Laboratory for Fisheries and Aquatic Sciences, Bayfield Institute, 1989. v, 30 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1709) ISSN 0706-6457  
MICROLOG 90-07231 1 fiche



Although the significance of pelagic micro-organisms composing the 'microbial loop' in marine and freshwater ecosystems has now been generally accepted, very little is known about the abundance, biomass, and population dynamics of bacteria and protozoa in the North American Great Lakes. This report provides, for the first time, detailed data on the abundance of bacteria, autotrophic picoplankton, and heterotrophic nanoflagellates in lakes Michigan, Huron, Erie, and Ontario. Size-fractionated primary production was measured simultaneously. Water samples were collected from 78 stations across the Great Lakes by an integrating water sampler from the euphotic zone from August-October, 1988 and 1989 and were separated into three size-fractions. Primary production was estimated by the C-technique.

• CA CF LS ON SC

#### Evaluation of the pole testing and treating program for distribution lines

by S.A. Bartlett. Toronto : Ontario Hydro, Research Division, 1989. i, 39 p. : ill. (Report ; no. 89-105-K)  
MICROLOG 90-00421 1 fiche

If a wooden pole has deteriorated past a certain threshold, it is replaced with a new pole. If not, it is retreated at the groundline with a preservative compound to delay deterioration of the outside shell. To assess the effectiveness of the treatment, a 2-phase program was instituted. The Phase I questionnaire indicated that the data available were not sufficient for the evaluation of the program, and a survey in the field was recommended to gather the required data. In Phase II, data were gathered and evaluated and the results are given in this report.

EN ON PR SC

#### Evaluation of the Public Housing Program

Ottawa : Canada Mortgage and Housing Corporation, Program Evaluation Division, 1990. 332 p. Summary (67 p.) laid in. French ed. (Evaluation du Programme de...) : 90-05196/5. CSI 22118.214.  
MICROLOG 90-05197 5 fiche

The federal government has supported public housing since 1949 under the National Housing Act, which permits CMHC to cost-share with provinces and territories the costs related to the construction or acquisition of public housing projects and their ongoing operation. Although new commitment activity has ceased, the operation of this portfolio continues to consume 30% of CMHC expenditures on social housing. This evaluation assesses the extent to which the program is currently achieving its objectives and at what costs, in the areas of the physical condition of the stock, management performance, operating expenses, and the quality of life experienced by the program's clients. Data sources include a physical condition survey, questionnaire surveys of clients and project managers, data bases of detailed information on project characteristics and operating expenses, guidelines and procedure manuals, a follow-up telephone survey of public housing administrators, and 8 case studies exploring the need for conversions, redesign or redevelopment and clarifying the issues associated with these major upgrading activities.

CA SA ST

#### Evaluation of the rare-element pegmatites in the N.W.T. : pegmatite studies in the Aylmer Lake area : preliminary report

by P. Cerny, P. Tomascak and M.A. Wise. Yellowknife : Indian and Northern Affairs Canada, NWT Geology Division, 1989. 10 p. : maps. Bibliogr.  
MICROLOG 90-00465 1 fiche

A reconnaissance study was initiated in the summer of 1988 in the Aylmer Lake-MacKay Lake basin in the central part of the Slave Province of the Canadian Shield. The initial effort was aimed at the Aylmer Lake region and 2 areas to the southwest, at Kirk and Reid Lakes. An isolated occurrence at Muskox Lake was also inspected, and a virgin pegmatite population at Thonokied Lake was discovered. The study explored the prospects of economically significant rare-element pegmatites in these basins. The examined pegmatite localities were sampled for geochemical characterization. Plutonic intrusions of granites suspected to be parental to the pegmatites were also sampled for whole-rock geochemical analysis.

NO NR PR PS SC

#### Evaluation of the rare-element pegmatites in the Northwest Territories : pegmatite studies in the Aylmer Lake area, N.W.T. : end-of-the-year report, 1988-89

by P. Cerny, P. Tomascak and M.A. Wise. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1989. 15 p. : maps. Bibliogr.  
MICROLOG 90-01962 1 fiche

A reconnaissance study was initiated during the summer of 1988 in the Aylmer Lake-MacKay Lake basin in the central part of the Slave province of the Canadian Shield to explore the prospects for economically significant rare-element pegmatites in the basin. The initial effort was aimed at the Aylmer Lake region and 2 areas to the southwest, at Kirk and Reid Lakes. An isolated occurrence at Muskox Lake was also inspected, and a virgin pegmatite population at Thonokied Lake was discovered.

CA NO NR PS SC

#### Evaluation of the use of emulsifiers to improve the production of heavy oil, part 1 : final report

by M. Sarbar...et al. Calgary, Alta. : Texaco Canada Resources, 1989. ix, 37 p. CANMET contract: 89021-01-SQ.  
MICROLOG 90-05997 1 fiche

This study was undertaken to evaluate and select wellbore emulsifiers, which can be used to help improve production of heavy oils. The study evaluated the degree of oil-in-water (o/w) emulsification and of the stability of the emulsions formed in the presence of various emulsifiers at different concentrations; determined the amount of viscosity reduction achieved by forming o/w emulsions; assessed the compatibility of the emulsifiers screened with the demulsifiers used in the field for oil treatment; examined the effect of salinity on o/w emulsion stability and the effect of sand on o/w emulsion stability and determination of sand dropout rates; surveyed current methods for emulsifier injection and identification of the best injection strategy; and identified surface facilities required to perform the field test.

• CA CM EN PS SC

#### Evaluation rapide des problèmes de nutrition au niveau communautaire : une étude de cas : Parbhani, Inde

par P. Kashyap et R.H. Young. Ottawa : Centre de recherches pour le développement international, 1989. viii, 67 p. : ill. Bibliogr. (Rapport manuscrit ; 274f) ISBN 0-88936-553-9  
MICROLOG 90-03834 1 fiche (Available on fiche only)

Cette étude de cas a pour objectifs d'examiner les facteurs apparentés qui agissent sur l'état nutritionnel des ruraux dans la région; d'identifier les principales interventions susceptibles d'améliorer la nutrition dans les communautés visées, à court et à long terme; de cerner les besoins de recherche à venir,

d'évaluer l'utilité de la technique de l'ERR pour analyser la situation dans la collectivité, planifier la nutrition et élaborer des programmes.

CA EX HE

#### Evidence of atmospheric transport and deposition of toxic substances in Canadian Arctic snow : 1986 progress report

by D.J. Gregor. Ottawa : Environment Canada, Water Quality Branch, 1987. v, 60 p. Bibliogr.  
MICROLOG 90-06747 1 fiche

The 1986 snow sampling program for NWT was undertaken mainly as a pilot study to determine whether or not it was possible to detect the presence of anthropogenic contaminants in the Arctic snow. During the spring of 1986, snow pack samples representing snow accumulation for the winter of 1985-86 were collected at 13 sites widely distributed throughout the Keewatin and High Arctic Districts of the NWT. One of these sites was collected in triplicate and snow samples representative of the preceding 4 winters were also collected from the site located on the Agassiz ice cap. All samples were collected as large volume snow samples, melted at room temperatures, and extracted in the field laboratories for analyses of organic contaminants. Subsamples were also prepared for analyses of major ions, some physical parameters, and selected metals and trace elements.

CA EV NO SC

#### Evidence of dark avoidance by phototrophic periphytic diatoms in lotic systems

by M.L. Bothwell...et al. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 9 p. ill. Bibliogr. (NHRI contribution ; no. 88027) In *Journal of Phycology*: vol. 25, no. 1, 1989. ISSN 0838-1992  
MICROLOG 90-05379 1 fiche

In 1980-81 nutrient-limited periphyton growth rate studies were conducted using an experimental, continuous-flow trough apparatus on the North Thompson River, B.C. During these experiments with parallel light and dark troughs, 24 h chlorophyll accrual rates were often 2-4 times greater in the light trough than the dark. This difference could not be easily explained. A series of experiments were therefore conducted at the same site from 1983-86 to establish whether lotic periphytic diatoms are able to selectively leave darkened environments and to determine the physiological mechanisms responsible for rapid colonization of light vs dark habitats. These experiments included a series of short-term (24 h) colonization trials documenting changes in colonizing species of light vs dark troughs, and the testing of 2 hypothesized mechanisms which might explain a rapid preferential loss of cells from darkened substrata: cells become more adhesive in the light; or diatoms alter their buoyancy or form resistance resulting in a selective loss of cells from darkened environments.

CA EV LS SC

#### Evolution de certains indices de prix moyennes annuelles, 1984-88

réalisée par Denis Chailfour. Québec : Bureau de la statistique du Québec, Statistiques économiques, 1988. 6 p. CSI 67131.014.  
MICROLOG 90-00887 1 fiche

Brochure portant sur les indices des prix à la consommation (non désaisonnalisés) et leurs composantes principales. De plus on y fournit des renseignements sur les indices des prix à la consommation dans les agglomérations urbaines de Québec et de Montréal, et les indices des prix des produits industriels en ce



qui a trait aux industries manufacturières.  
CO PR QU ST

### Evolution de certains indices de prix, moyennes annuelles, 1985-89

Québec : Bureau de la statistique du Québec, Statistiques économiques, 1990. 6 p.  
CSI 67131.014.  
MICROLOG 90-05533 1 fiche

Ce document contient 4 tableaux statistiques présentant l'évolution de certains indices de prix moyens annuels entre 1985 et 1989. Les tableaux incluent les indices des prix à la consommation au Canada, pour l'agglomération urbaine de Québec et celle de Montréal, ainsi que les indices des prix des produits industriels fabriqués par les industries manufacturières au Canada.  
CO PR QU ST

### Evolution de l'effectif scolaire régulier inscrit à temps plein dans les cégeps, de la session d'automne 1967 à celle de 1985

Québec : Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, 1986. 91 p. Bibliogr. (Bulletin statistique : recherche et développement ; v. 10 no 6)  
CSI 66131.210. ISSN 0229-0766  
MICROLOG 90-05065 1 fiche

L'objectif de ce document est de dégager l'évolution de l'effectif scolaire régulier inscrit à temps plein dans les cégeps depuis la création du réseau en 1967. Il présente des données globales sur l'effectif scolaire pour l'ensemble du Québec et chacune des régions ou sous-régions depuis 1967, et fournit la répartition de l'effectif scolaire selon les secteurs d'enseignement et selon la classe, pour l'ensemble du Québec, les régions ou sous-régions et chacun des cégeps et campus.  
ED PR QU

### Evolution de la qualité de l'air des villes au Canada, 1978-87

Canada. Service de la protection de l'environnement. Division de la gestion des inventaires. Ottawa : Environnement Canada, Service de la protection de l'environnement, 1990. xiv, 60 p. : ill., cartes géogr. Bibliogr. (Rapport, SPE 7/UP/3) Bilingue (National urban air...). CSI 22142.203. ISBN 0-662-96159-5  
MICROLOG 90-06179 2 fiche

Dans ce rapport, on analyse les données de surveillance pour déterminer l'évolution des concentrations moyennes et maximales de ces polluants à l'échelle nationale (l'anhydride sulfureux, le dioxyde d'azote, le monoxyde de carbone, l'ozone, les particules en suspension et le plomb), sur une base annuelle, pour les dix dernières années (1978-1987). On compare également ces données aux objectifs nationaux de qualité de l'air ambiant, qui définissent trois niveaux de concentration; le maximum souhaitable, le maximum acceptable et le maximum admissible.  
• CA EV SC ST

### L'Évolution du mandat policier

par A.K. McDougall. Ottawa : Collège canadien de police, 1988. viii, 89 p. Bibliogr. *L'éd anglaise (Policing : the evolution)* 90-01234/1. ISBN 0-662-95116-6  
MICROLOG 90-01233 2 fiche

Cette étude décrit la genèse de la 'nouvelle police' et son mandat en vue de déterminer la place et les possibilités du leadership policier dans chaque pays. On y examine également la police en Angleterre avant la création de l'Etat moderne. Finalement, on se penche sur l'ère moderne, le rôle, les possibilités et les problèmes du leadership policier  
CA JU

### Evolution du marché immobilier et du risque hypothécaire au Québec métropolitain en 1988

Ottawa : Société canadienne d'hypothèques et de logement, 1989. 8 p. : ill. CSI 22118.004.  
MICROLOG 90-04300 1 fiche

Ce document présente les faits saillants de l'évolution du marché immobilier et du risque hypothécaire au Québec métropolitain en 1988. Il se penche particulièrement sur les domaines suivants: l'économie; le marché de l'habitation; les mises en chantier; les condominiums; les locatifs; les résidences privées pour personnes âgées; l'unifamiliale; le marché de la revente unifamiliale existante; et, le locatif existant.  
CA CO QU SA ST

### Examen de l'avant-projet de Loi sur la protection de l'environnement

Ottawa : Conseil consultatif canadien de l'environnement, 1987. 119 p. ISBN 0-662-94193-4  
MICROLOG 90-03112 2 fiche

A la fin des années 1960 et au début des années 1970, l'importance croissante accordée aux questions environnementales a mené le gouvernement fédéral à prendre une série de mesures législatives, avec notamment la création d'Environnement Canada en 1972 et la Loi sur la protection de l'environnement. Ce document porte sur les commentaires généraux; le tableau sommaire des changements recommandés à certains articles de la Loi sur la protection de l'environnement; et les résultats d'examen, de rapports et d'études.  
CA EV PA SC

### Examen des diverses méthodes utilisées par les nations industrialisées pour la gestion et l'évacuation des déchets nucléaires de haute radioactivité

préparé pour le Bureau fédéral d'examen des évaluations environnementales. Niagara Falls, Ont. : Acres International Ltd., 1989. 138 p. : ill. Bibliogr. *L'éd. anglaise (A Review of various approaches...)* 90-02369/2. ISBN 0-662-57027-8  
MICROLOG 90-02370 2 fiche

Ce rapport contient une brève étude du programme canadien afin de le comparer aux autres programmes nationaux. Les pays choisis pour l'étude ont été divisés en deux groupes. Les programmes d'évacuation du premier groupe présentent un intérêt particulier ou des rapports avec le programme canadien, parce qu'ils sont similaires ou plus avancés. Les pays du premier groupe sont: la Belgique, la France, la République Fédérale d'Allemagne, la Suède, la Suisse, et les Etats-Unis. Un bref résumé des divers programmes nationaux est présenté et des tableaux permettent de comparer les principales caractéristiques de chaque pays. On trouvera également un exposé sur les différentes méthodes utilisées par divers pays pour leurs programmes d'évacuation.  
• CA EN EV PS SC

### Examen des orientations, des activités et de la gestion de la Commission des droits de la personne du Québec : rapport final

Québec : Commission des institutions, 1989. xix, 111 p. Bibliogr. ISBN 2-550-19763-1  
MICROLOG 90-04979 2 fiche

Ce document présente le rapport de la Commission des institutions qui a examiné les orientations, les activités et la gestion de la Commission des droits de la personne du Québec, conformément à l'article 294 du Règlement de l'Assemblée nationale. Il porte principalement sur la structure et le fonctionnement, y compris le règlement des

litiges; et, le mandat information-éducation de la Commission des droits de la personne et sa présence régionale.  
JU PR QU

### Examination of 1968, twenty-five-cent nickel coins

by C.F. Dixon and N.S. Spence. Ottawa : Dept. of Energy, Mines and Resources, 1969. iii, 15 p. : ill. (Investigation report ; IR 69-22)  
MICROLOG 90-04518 1 fiche

For the information of the Royal Canadian Mint, an investigation was carried out to examine the magnetic property, weight, hardness and micro-structure of 1968, twenty-five-cent nickel coins made from powder-rolled full-density nickel strip supplied by Sherritt Gordon Mines Ltd. and those made from cast-billet, hot-rolled nickel strip supplied by the International Nickel Co.  
• CA CM NR PS SC

### Examination of chemical water quality in the community of Petit Pokemouche, N.B.

by L.P. Peters. Fredericton : Dept. of Municipal Affairs and Environment, Water Resource Planning Branch, 1988. 42 p. : ill., maps. Bibliogr.  
MICROLOG 90-02817 1 fiche

Eighteen samples were taken from the Petit Pokemouche area in July 1988 and analysed for chemical quality. This report gives the results of the analysis for iron and manganese, salt, nitrate, and turbidity.  
AP EV PR SC

### Examination of cold-rolled nickel plate end containing defective zone (Amsted slab, Inco controlled-rolling experiment)

by C.F. Dixon and N.S. Spence. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1969. 6 p. : ill. (Report ; PM 69-9)  
MICROLOG 90-04657 1 fiche

A slab of pure nickel cast by the Amsted controlled-pressure technique was experimentally rolled in a U.S. mill, arranged by Inco. The cast slab, originally 2 in. thick, was reduced to 0.25 in. prior to shipment for finish cold rolling to coin thickness strip. In-plant inspection indicated an internal defect near one end which was confirmed by inspection. Prior to finish rolling, the end of the plate (10 in. long) was cut off. Both pieces were then sent to the Royal Canadian Mint. The defective piece was subjected to metallographic examination, consisting of ultrasonic inspection and micro- and macro-examination using an electron-scan microscope.  
• CA CM NR PS SC

### An Examination of cutting patterns proposed in the Guidelines for the Protection of Tourism Values

by G.D. Racey and R. Reynolds. Thunder Bay, Ont. : Ministry of Natural Resources, Northwestern Ontario Forest Technology Development Unit, 1989. 8 p. : ill. Bibliogr. (Technical notes ; TN-05) ISSN 0846-6106  
MICROLOG 90-05246 1 fiche

This document looks at several modified cutting patterns and relates the harvest and site features to the practicality of using these patterns for the protection of aesthetic values. In addition, it lists many examples of modified cutting patterns in Northwestern Ontario which will encourage managers to become familiar with various cutting patterns and their effectiveness.  
FO ON PR



### Examination of the explosion characteristics of methane/coal dust/dolomite/air mixtures

by P.R. Amyotte, M.J. Pegg and Y.-H. Sun. Sydney, N.S. : Cape Breton Development Corporation, 1990. xiii, 101 p. : ill. Bibliogr. CANMET contract: 89077-01-SQ. MICROLOG 90-03965 2 fiche

An experimental investigation of coal dust explosions was conducted in a 26-L, spherical chamber. The coal was run-of-the-mine and came from the Prince, Langan and Phalen mines of the Cape Breton Development Corp. The project investigated the explosion behaviour and dolomite inerting requirements of each of the 3 coals, alone and with admixed methane. Two size fractions were produced for each of the coals and particle size and methane concentration tests were conducted at coal dust concentrations ranging from the lean flammability limit to 1.0 kg/cu m. The explosion parameters measured for each test were the maximum explosion pressure and the maximum rate of pressure rise. In the portion of the study dealing with inerting requirements, the same matrix of coal type, particle size and methane concentration was used, along with a single coal dust concentration of 0.5 kg/cu m. Dolomite concentrations ranged from 20% of the total solids mixture to the percentage required to suppress an explosion. • AP CA CM NR PS SC

### An Examination of the impact of employment training programs on social assistance recipients in Hamilton-Wentworth

by C. Ball and A. Houser. Hamilton, Ont. : Social Planning and Research Council of Hamilton and District, 1989. xiv, 113 p. Bibliogr. MICROLOG 90-01852 2 fiche (Available on fiche only)

This document presents answers to the following questions: Which variables are the most characteristic or predictive determinants of clients' participation in a training program and their subsequent completion? What client-based impacts are most immediately measurable following program participation, in terms of quality of life and ability to overcome employment barriers? Why do trainees apply for or return to social assistance after leaving an employment training program? And what gaps in services currently exist in the larger training referral system, as identified by those who work within its structure? ED LA MU ON SA

### Examination of the inlet rolled joint from NPD fuel channel F08

by R.R. Bawden and J.P. Slade. Ottawa : Atomic Energy Control Board, 1989. 29 p. : ill. Bibliogr. (Research report ; INFO-0308) MICROLOG 90-01366 1 fiche

Examination of the rolled joint from the inlet end of the Chalk River NPD fuel channel F08 using metallographic image analysis techniques to measure hydrogen concentration, to determine if concentration gradients indicate an ingress path, and to determine the effects of stress on hydride distribution in the rolled joints. CA EN ON PS SC

### An Examination of the potential impacts of competition in long-distance service on rural and urban subscribers

Ottawa : Federal-Provincial-Territorial Task Force on Telecommunications, 1989. viii, 57 p. MICROLOG 90-02971 1 fiche

This study expands on a 1988 examination of the effects of competition by the Federal-Provincial-Territorial Task Force, which identified

the general impacts of competition on the subscriber's basic service rates. The study presents a case study of the impact of competition on the prairie region and especially for rural subscriber basic service rates in Saskatchewan. An alternative method to competition to achieve long-distance price reductions was identified. Rate rebalancing, which can be effected through direct regulatory action, is analyzed and contrasted to the likely impacts of competition on rural and urban subscribers. The study also contains a critique of the information and findings of the Federal-Provincial-Territorial Task Force report. AL MS PR SC TE

### Examination of uranium-2 wt % molybdenum billet

by C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1965. 2 p. (Report ; PM 65-19) MICROLOG 90-04673 1 fiche

Properties of a 2 in. diameter x 6 in. long cast uranium - 2wt % molybdenum billet. • CA CM NR PS SC

### An Example of air quality control in dieselized mine workings by monitoring of ambient CO2

by E.D. Dainty. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. ii, 7 p. (Report ; MRL 90-14(TR)) MICROLOG 90-06007 1 fiche

Calculations demonstrating that it is possible to control, by monitoring CO2 levels in mines, occurrences of excessive exposure of underground workers (particularly vehicle operators) to toxic airborne contaminants. Two heavily-loaded LHD machines (powered by Deutz F6L 714 engines with no after-treatment devices installed) are operated in the same ventilation stream which is provided with clean fresh air from the intake (the CO2 of fresh air is 350ppm). CO2 concentrations are calculated for the operation of the machines with no devices installed, with a catalytic purifier and a ceramic filter installed and with ventilation control. • CA CM NR PS SC

### Exceptions aux dispositions du Code des droits de la personne (1981) de l'Ontario relatives à l'égalité des droits en matière d'emploi

Commission ontarienne des droits de la personne. Toronto : la Commission, 1990. 6, 6 p. Bilingue (Exceptions to the equality...). ISBN 0-7729-6252-9 MICROLOG 90-05912 1 fiche

Ce document présente les exceptions aux dispositions du Code des droits de la personne (1981) de l'Ontario relatives à l'égalité des droits en matière d'emploi. Ces directives constituent l'interprétation que fait la Commission de l'article 23 du Code. JU ON PR

### Exceptions to the equality rights provisions of the Ontario Human Rights Code, as they relate to the workplace

Ontario Human Rights Commission. Toronto : The Commission, 1990. 6, 6 p. Bilingual (Exceptions aux dispositions...). ISBN 0-7729-06252-9 MICROLOG 90-05912 1 fiche

These guidelines contain the Commission's interpretation of section 23 of the Code. They are intended to be of assistance in determining whether a particular employment practice or decision which treats individuals or groups differently on the basis of what are usually prohibited grounds is based on a bona fide

occupational qualification. JU ON PR

### Executive Council and Legislature

Regina : The Province, 1990. 26 p. : ill. MICROLOG 90-03975 1 fiche

This publication provides a brief biography of each of the Executive Council members and lists members of the Legislature. MS PA PR

### Exemplary adult literacy programs and innovative practices in Canada

by Audrey M. Thomas ; prepared for the Provincial Literacy Advisory Committee. Victoria : Ministry of Advanced Education and Job Training, and Ministry Responsible for Science and Technology ; Ottawa : Dept. of the Secretary of State of Canada, National Literacy Secretariat, 1989. 72 p. ISBN 0-7718-8865-1 MICROLOG 90-01258 1 fiche

This document reports on existing programs and delivery mechanisms for adult literacy that might be seen as exemplary by adult literacy practitioners in B.C. It examines programs in B.C. and throughout Canada. • CA ED SA

### Expenditure estimates of the Province of Ontario for the fiscal year ending March 31, 1990

Toronto : Management Board of Cabinet, 1990. 2 v. CSI 55100.001. ISSN 0837-4740 MICROLOG 90-03045 4 fiche

Presents expenditure forecasts under eight Standard Accounts at the activity level: salaries and wages; employee benefits; transportation and communication; services, supplies and equipment; acquisition/construction of physical assets; transfer payments; and other transactions. CO ON PA PR

### The Expenditure management system revisited

by G. Schmitz. Ottawa : Library of Parliament, Research Branch, 1989. 38 p. Bibliogr. (Backgrounder ; BP-108E) French ed. (Le Système de gestion...) : 90-01906/1. MICROLOG 90-02613 1 fiche

This document discusses the evolution of the modern expenditure budget, the policy and expenditure management system 1979-84, problems with PEMS, the continued evolution of PEMS since 1984, and the second term cabinet reorganization. CA CO

### Experiences with environmental control in hot nurseries

by R.D. MacDonald and F.A. Kains. Ottawa : Canadian Society of Agricultural Engineering, 1988. 13 p. : ill. (Paper ; no. 88-117) For presentation at the Agricultural Institute of Canada Annual Conference. MICROLOG 90-06979 1 fiche

Maintaining an even temperature in swine nursery rooms is important for the health and performance of the young pigs. This study determined the temperature control capabilities of a variety of thermostats and control systems that are commonly used on Ontario swine farms. A 4-room hot nursery had recently been built close to Guelph in which the operator agreed to install a different set of fans and controls in each room. Monitoring equipment was installed to record the temperatures in the rooms, in the hallway and outside, and to record electrical heating consumption. AG ON PR SC



### Experimental gill net fishing on trawlable and untrawlable areas off northwestern Vancouver Island, from the *MV Caledonian*, August 15-28, 1989

by K.R. Matthews...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 78 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2046) ISSN 0706-6473

MICROLOG 90-03437 1 fiche

Summary of cruise results from a fishing vessel operating off northwestern Vancouver Island between August 15-28, 1989 to describe rockfish communities on hard (untrawlable) bottom and compare them to those found on smooth-bottom (trawlable) areas. In order to fish hard-bottom areas, the *MV Caledonian*, a chartered commercial trawl vessel, deployed and retrieved sunken gill nets. Fishing was conducted on the continental slope between 200-300 m. The survey was motivated by the hypothesis that hard-bottom areas provide refuge for rockfish, in particular, Pacific ocean perch, from the commercial trawl fishery. If this hypothesis were true, then potential yields from these stocks would be greater than currently estimated. This report presents the results of the second survey.

• BC CA CF FI SC

### An Experimental study of oxygen distribution

by V.A. Berezovsky...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 21 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5209) Originally published in Russian, at Kiev, Ukrainian USSR. ISSN 0704-3716

MICROLOG 90-02700 1 fiche

The concentration of oxygen in animal cells is maintained by oxygen consumption and oxygen supply. As the rate of oxygen consumption increases, oxygen is supplied to the cell in greater quantities. According to the theory of diffusion, this is due to an increase in the concentration gradient in the cell, which leads to greater mass transfer of oxygen. This paper studies the distribution of oxygen in eggs of *Misgurnus fossilis*, the permeability of the membranes to the flow of oxygen and mass transfer of the latter in eggs.

• CA CF FI LS SC

### L'Expérimentation biomédicale sur l'être humain

Ottawa : Commission de réforme du droit du Canada, 1989. 73, 69 p. Bibliogr. (Document de travail ; 61) En tête du titre: *Protection de la vie. Bilingue (Biomedical experimentation involving...)*. ISBN 0-662-56900-8

MICROLOG 90-01587 2 fiche

De nos jours, le développement des sciences pharmacologiques, médicales et biologiques passe nécessairement par l'expérimentation sur l'être humain. L'efficacité des médicaments, des techniques de dépistage et des traitements doit, à un moment ou à un autre, être éprouvée sur l'être humain. S'ils restent indispensables, les essais sur les animaux de laboratoire, notamment sur ceux qui sont les plus près de l'être humain, ne sont pas suffisants pour déterminer avec certitude les effets et conséquences possibles de certains traitements; la tragique histoire de la thalidomide, pourtant essayée avec succès et sans inconvénient sur les singes, est là pour le rappeler. Ce document examine le domaine de l'expérimentation biomédicale sur l'être humain.

CA HE LS SC

### Experimentation with various methods of de-icing and anti-icing for ships

prepared for the Transportation Development

Centre ; by Melville Shipping Ltd. Ottawa : Melville Shipping Ltd., 1989. xiv, 143 p. : ill. Bibliogr.

MICROLOG 90-01742 2 fiche

Study to improve ship and personnel safety and the practical operability of vessels exposed to severe ice accretion by experimentation with some icing control systems. As an initial test of selected ice phobic coatings, a series of laboratory experiments was completed. Ship board tests conducted during the winters of 1988 and 1989 assessed the efficiency of all of the de-icing/anti-icing methods under consideration (ice phobic paints, beating panels, air hammer, and inflatable panels). The project was adversely affected by mild weather.

CA PS SC TR

### Experiments in the Au-Bi-Te system

by E.W. Winkler and N.F.H. Bright. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1964. 9 p. Bibliogr. (Report ; MS 64-57)

MICROLOG 90-04691 1 fiche

The system Au-Bi-Te is of technological importance in view of the use of bismuth telluride in components of thermoelectric refrigeration devices and the employment of gold as a connecting link between such components. The system also has mineralogical significance in that both gold and bismuth occur naturally as tellurides. The phase relationships were studied using thermal analysis to give liquidus and solidus temperatures, DTA to give supplementary information on melting and transition points, X-ray diffraction for identification of phases, and metallographic polished sections to give information concerning the number of phases and physical structure of the assemblages.

• CA CM NR PS SC

### An Expert system for assessing the migration and transformation of pesticides in the subsurface

by A.S. Crowe, J.P. Mutch and R.E. Jackson. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 23 p. Bibliogr. (NWRI contribution ; 89-151)

MICROLOG 90-02449 1 fiche

Groundwater is an important source of domestic water supply in Canada, particularly in rural areas. Since pesticides have the potential to cause serious contamination of shallow aquifers in rural areas, techniques are required that can assess the potential for a pesticide and its degradation products to contaminate groundwater before the pesticide is approved for general use. This paper describes an expert system under development which would provide regulatory personnel with a tool for evaluating the fate of pesticides on the soil and shallow groundwater environment in order to identify potential groundwater problems. The expert system will consist of an existing numerical model which can be used to simulate the transport and transformation of pesticides in the unsaturated zone, coupled with a knowledge-based system that guides the user through the choice of all the necessary information for characterizing the geological, physical, climatic, hydrogeological, pedological and agricultural settings of typical agricultural zones across Canada required for a simulation.

CA EV SC

### An Expert system for the assessment of the structural capacity of pavements

by B. Lefebvre...et al. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 10 p. : ill. Bibliogr. (Publication ; no. 701A) French ed. (Un Système expert...) on the same fiche.

MICROLOG 90-06424 1 fiche

This paper presents a methodology which has been used to constitute the knowledge base of an expert system. This system is intended to help in on-the-spot interpretation of the results produced by Dynaflect machines, which are used for the assessment of the structural capacity of pavements. The paper presents a number of statistical analyses, with the results used to implement a prototype of the proposed system.

PR PS QU SC TR

### Expert systems as decision tools

Atlantic Nuclear Services. Ottawa : Atomic Energy Control Board, 1989. 20 p. Bibliogr. (Research report ; INFO-0314)

MICROLOG 90-01369 1 fiche

Investigation of the feasibility of using expert systems as an aid in regulatory compliance functions. A literature review was carried out to identify applications of expert systems to regulatory affairs. A prototype system, ARIES, was developed to demonstrate the use of such a system as an aid to the project officer in assuring compliance with licence requirements. The system runs on a personal computer with a graphical interface. Extensive use is made of hypertext to link interrelated rules and requirements as well as to provide an explanation facility.

CA EN PS SC

### Explanatory notes to draft income tax amendments

Ottawa : Dept. of Finance, 1990. viii, 393 p. French ed. (Notes explicatives...modification...) : 90-06870/5.

MICROLOG 90-06871 5 fiche

The draft legislation to which these explanatory notes relate contains proposed amendments to the Income Tax Act, the Income Tax Application rates, 1971, the Canada Pension Plan, the Cultural Property Export and Import Act, the Income Tax Conventions Interpretation Act, the Unemployment Insurance Act, and certain related Acts. These amendments are intended to implement the income tax measures put forth in the budget of February 20, 1990, as well as all other proposals that have been announced before July 1990 and which require changes to the Income Tax Act for their implementation. It also contains a large number of technical amendments that are designed to clarify and, in some case, correct the application of the Income Tax Act and associated statutes.

CA CO PA

### L'Exploitation sexuelle et les personnes qui présentent une déficience intellectuelle

rédigée par Charlene Y. Senn. Downsview, Ont. : Institut G. Allan Roeher, 1988. ix, 136 p. : ill. Bibliogr. L'éd. anglaise (Vulnerable : sexual abuse...) : 90-03793/2. ISBN 0-920121-33-0

MICROLOG 90-03794 2 fiche (Available on fiche only)

Cet ouvrage examine en détail la façon dont ce problème a été camouflé, dissimulé en institutions et devenue un sujet tabou pour la société. Il se penche principalement sur les points suivants: la prévalence de l'exploitation sexuelle; les troubles du développement en tant que facteur de risque; l'identification des abus sexuels à l'égard des enfants; les répercussions des abus sexuels; le traitement de l'enfant victime d'un abus sexuel; l'accessibilité des services; la prévention des abus sexuels; les délinquants sexuels qui présentent une déficience intellectuelle, et les questions juridiques liées aux abus sexuels à l'égard des enfants.

• BS CA SA



# Exploiter les sciences et les technologies des régions froides

Conseil des sciences du Canada. Ottawa : le Conseil, 1989. 28, 28 p. : ill. Bibliogr. *Bilingue (Harnessing science and technology...)*. ISBN 0-662-57032-4 MICROLOG 90-02313 1 fiche

Le Conseil des sciences du Canada est l'organisme consultatif national attiré en matière de politique scientifique et technologique. Créé en 1966, il a pour mandat d'analyser les dossiers scientifiques et technologiques; de recommander des lignes d'action au gouvernement; de sensibiliser les Canadiens à l'importance des sciences et de la technologie dans leur vie; et de susciter, auprès des administrations publiques, des entreprises et des établissements d'enseignement, la prise de mesures dans des domaines scientifiques et technologiques. Ce document fait donc la lumière sur le Conseil.  
CA NO PS SC

# Exploration de l'incidence du changement climatique sur la forêt boréale et l'économie forestière de l'ouest du Canada : résumé

par E.E. Wheaton et T. Singh. Ottawa : Environnement Canada, 1988. 20, 18 p. Bibliogr. (Sommaire du changement climatique : SCC 89-02) (SRC publication : no. E-906-61-A-88) *Bilingue (Exploring the implications...)*. ISSN 0835-3980 ISBN 0-662-56798-6 MICROLOG 90-05247 1 fiche

Ce rapport résume les résultats initiaux d'une étude préliminaire destinée à évaluer les implications du changement climatique provoqué par le CO2 pour les forêts boréales des provinces de Prairies et les Territoires du Nord-Ouest. Cette étude vise à évaluer l'état actuel des connaissances relatives aux répercussions du changement climatique sur la croissance et la physiologie des arbres, afin de concevoir un plan d'évaluation de l'utilisation des modèles de changement climatique/forêt/économie et d'entreprendre des études prospectives préliminaires du changement climatique.  
CA EV FO SC

# Exploration in British Columbia, 1989

Victoria : Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1990. 240 p. : ill., maps. Bibliogr. CSI/37104.004. ISSN 0823-2059 MICROLOG 90-06854 3 fiche

Annual report on exploration activity, geological descriptions of selected properties, and assessment report summaries of minerals and coals. The overview of exploration activities is presented by district and gives trends, highlights, a summary by mineral, coal or placer mine, development, operating mines and exploration opportunities. The geological descriptions are categorized by metals, industrial minerals, and a regional geochemical survey, and for each mine include location, claims, access, owners, operator, commodities, and a description including history. Assessment reports are presented geographically, with separate mineral and coal indices of property names, operators and authors. Property descriptions include name, location, claims, operator, author, commodities, description, work done, and references.  
BC NR PR PS SC

# L'Exploration minière et la forêt : une question de respect

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1990. 20 p. : ill. ISBN 2-550-19677-5 MICROLOG 90-04825 1 fiche

L'exploration géologique et minière constitue une intervention indissociable à la découverte de nouvelles mines, et par le fait même, à

l'inventaire de nos richesses minières. Le gouvernement du Québec a défini des modalités d'intervention en milieu forestier que devront respecter tous ceux que leurs activités amènent en forêt. Certaines de ces modalités s'appliquent aux activités reliées à l'exploration minière. Ce document en présente les plus importantes dans cet aide-mémoire.  
FO NR PR QU

# Exploration preview, 1988

Yellowknife : Northern Affairs Program, Geology Division, 1988. 16 p. CSI/21113.009 MICROLOG 90-02040 1 fiche

Exploration previews for Slave province, Bear province, Churchill province west of Keewatin, Arctic Islands regions, and Keewatin. A summary of the Northwest Territories geology division projects is also given, as well as a list of Geological Survey of Canada projects for 1988.  
NO NR PR PS SC

# An Exploratory analysis of mortality among employees of Canada Wire and Cable Limited, Toronto, Ontario

by M.M. Finkelstein. Toronto : Ministry of Labour, Health Studies Service, 1989. 14 p. MICROLOG 90-01070 1 fiche

Following a letter from the United Steelworkers concerning the number of cancer deaths at Canada Wire and Cable, the Ministry of Labour initiated an investigation. This document compares the causes of death of workers from the company with the Ontario average, and discusses causes of death by department.  
HE LA ON PR

# An Exploratory analysis of mortality among employees of Celanese Canada Inc., Kingston (Millhaven), Ontario

by G.M. Liss. Toronto : Ministry of Labour, Policy and Regulations Branch, Health Studies Service, 1989. 30 p. : ill. Bibliogr. MICROLOG 90-06829 1 fiche

In April 1989, the Health Studies Service of the Ministry of Labour, through the Health and Safety Support Services Branch (HSSSB), was informed of concerns about cancer occurrence among employees of Celanese Canada Inc. In response, the HSSSB staff indicated, following a March 1989 meeting at the plant, that a mortality study would be requested of the Health Studies Service. This document contains the results of that study.  
LA ON PR

# Exploratory crab survey, Labrador, 1989

by E. Dawe. St. John's : Fisheries and Oceans Canada, Newfoundland Region, Fisheries and Habitat Management Branch, Fisheries Development Division, 1989. iv, 29 p. : ill. MICROLOG 90-01993 1 fiche

An exploratory crab survey was carried out from Black Tickle to Makkovik, Labrador beginning August 9 and ending September 5, 1989 to determine the commercial distribution and abundance of snow crab in areas north of the existing commercial crab fishery in Labrador. The Nautical Enterprise, a 65-foot commercial crab fishing vessel, was chartered to complete the survey. This report provides descriptions of the vessel, fishing gear and method of operation and a discussion of the results, divided into 3 areas.  
• AP CA CF FI SC

# Exploratory fishing and hydroacoustic observations of rockfish off Brooks Peninsula, Vancouver Island from the My Velma C and CSS John P. Tully, March 13-23, 1989

by K.R. Matthews...et al. Nanaimo, B.C. Dept.

of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 101 p. : ill. (Canadian manuscript report of fisheries and aquatic sciences : no. 2029) ISSN 0706-6473 MICROLOG 90-01421 2 fiche

Summary of cruise results from 2 vessels operating in Brooks Bay, on the west coast of Vancouver Island, from March 13-23, 1989, to describe rockfish communities on hard (untrawlable) bottom and to compare these communities with similar communities on smooth (trawlable) bottom. To fish hard-bottom areas, a chartered commercial longline vessel deployed and retrieved experimental sunken gillnets. Hydroacoustic observations were made concurrently. The survey was motivated by the hypothesis that hard-bottom areas provide refuge for rockfish, in particular, Pacific ocean perch, from the commercial trawl fishery. Due to equipment limitations, the cruise was limited to depths shallower than 200 m, which is shallower than the usual winter depth range of Pacific ocean perch.  
• BC CA CF FI LS SC

# Exploratory high elevation regeneration trials in the Vancouver forest region : 10-year species performance of planted stock

by R. Scagel...et al. S.I. : Forest Resource Development Agreement, 1989. vi, 40 p. : ill., maps. Bibliogr. (FRDA report : 098) ISSN 0835-0752 ISBN 0-7726-1046-0 MICROLOG 90-03825 1 fiche

Clearcut logging followed by slashburning and planting of bareroot Douglas-fir used to be a common practice at high elevations on the B.C. coast. Chronic plantation failure prompted foresters to look for alternative species and stocktypes, and these became available in the mid-1970s. This report presents the results of 10-year trials of a wide range of planted stocktypes and species  
• BC CA FO PR SC

# Explore report, 1989 : mineral exploration and development work performed in Ontario

Toronto : Ministry of Northern Development and Mines, Mineral Development and Lands Branch, Information and Statistics Section, 1989. iv, 54 p. : ill. CSI/55117.005. MICROLOG 90-02783 1 fiche

Data on mineral exploration and development work performed in Ontario in 1988, based on data received as of November 1989. The report first presents a summary, followed by more detailed information on general expenditures, regional expenditures, by metal or mineral sought, by mining region, value, and number of companies with mining interests in Ontario and Canada for 1986/87-1988/89. Data generally covers 1981-88 and comparisons are made between 1981 and the current year.  
NR ON PR PS SC

# Exploring the implications of climatic change for the boreal forest and forestry economics of western Canada : a summary

by E.E. Wheaton and T. Singh. Ottawa : Environment Canada, 1988. 18, 20 p. Bibliogr. (Climate change digest : CCD 89-02) (SRC publication : no. E-906-61-A-88) *Bilingue (Exploration de l'incidence...)* ISSN 0835-3980 ISBN 0-662-56798-6 MICROLOG 90-05247 1 fiche

This report summarizes Phase I results of an exploratory study to assess the implications of CO2-induced climatic change for the boreal forest of the Prairie Provinces and the Northwest Territories. The study area forms part of an extensive forest belt stretching from the eastern coast of Canada to Alaska, constituting 82% of the forest land in Canada. The study reviews the current literature and



searches for appropriate methodologies for assessing climatic change effects; develops a framework to assess the models for use in the climatic change, forest and economics system, as well as a systems analysis design; evaluates and selects climatic change scenarios; and undertakes preliminary impact assessments.  
CA EV FO SC

#### Explosibility tests on reference sulphide mineral samples

by K.J. Mintz. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. iii, 15 p. : ill. Bibliogr. (Report ; MRL 90-007(TR))  
MICROLOG 90-03372 1 fiche

Under the Canadian certified reference material project, samples of ores, in the form of fine dusts, are prepared as analytical standards for the mining industry. Dust clouds of sulphide ores containing high concentrations of pyrite or pyrrhotite are known to be capable of exploding. Therefore, to ensure the safe processing of these materials, appropriate tests were carried out on the explosibility of a candidate reference material and a previously-processed reference material. Chemical analysis was carried out and the mineralogical composition estimated from that data. A sieve analysis was also conducted.  
• CA CM NR PS SC

#### Export Development Corporation (Canada) : Annual report 1989

Ottawa : The Corporation, 1990. 37, 37 p. : ill. Bilingual. CSI 22220.001  
MICROLOG 90-04140 1 fiche

The Corporation is Canada's official export credit agency, responsible for providing export credit insurance, loans, guarantees and other financial services for Canada's exporting community. This annual report outlines the major activities and accomplishments of the Corporation. It includes financial statements.  
CA CO EX

#### Exporter's guide to ASEAN : Brunei, Indonesia, Malaysia, Philippines, Singapore, Thailand

Ottawa : External Affairs Canada, 1989. 86 p. : ill.  
MICROLOG 90-06678 1 fiche

Contains a profile of the Association of Southeast Asian Nations. It discusses Canada-ASEAN relations, and includes statistics on Canadian exports from, and imports to ASEAN. It also presents information on federal government support to exporters and lists useful contacts.  
CA CO EX

#### Exposition aux vibrations en milieu de travail

par B. Pathak et D. Charron. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 15 p. : ill. Bibliogr. ISBN 0-660-92940-6  
MICROLOG 90-05754 1 fiche

Bon nombre d'outils et de machines vibrent. Un travailleur en contact avec un outil vibrant reçoit une énergie vibratoire qui peut, après une exposition prolongée, entraîner certains troubles ou certaines maladies. Les risques de maladie dépendent des caractéristiques de vibrations, de la partie du corps qui reçoit l'énergie vibratoire et de la durée (nombre d'années) de l'exposition. Dans cette publication, on présente un résumé des effets pathologiques de l'exposition aux vibrations et une description des méthodes de mesure des vibrations et des façons de contrôler l'exposition aux vibrations en milieu de travail.  
• CA HE LA

#### Exposition aux vibrations mécaniques engendrées par les meuleuses portatives

par P.-E. Boileau, H. Scory et J. Boutin. Montréal : Institut de recherche en santé et en sécurité du travail du Québec, 1988. 29 p. Bibliogr. (Etude : bilan de connaissances) ISSN 0820-8395 ISBN 2-551-06878-9  
MICROLOG 90-02339 1 fiche

Dans la présente étude, on rapporte des résultats de mesures de vibrations effectuées sur des meuleuses portatives utilisées par des travailleurs dans un chantier naval. Les mesures sont effectuées sur différents modèles de meuleuses verticales, fonctionnant à l'air comprimé et opérant à des vitesses variant entre 6 000 et 12 000 rpm. L'étude comporte trois volets. comparaison des niveaux de vibration pour différents modèles de meuleuses sous des conditions contrôlées d'opération; comparaison des niveaux de vibration pour différentes méthodes de travail; et évaluation de l'exposition typique des travailleurs aux vibrations mains-bras (segmentaires) lors d'opérations réelles exigeant différentes postures de travail.  
AG PR QU SC

#### Exposure guidelines for residential indoor air quality : a report -- Rev.

Federal-Provincial Advisory Committee on Environmental and Occupational Health (Canada). Ottawa : Health and Welfare Canada, 1989. iii, 23 p. French ed. (Directives d'exposition...) on the same fiche. ISBN 0-662-17882-3  
MICROLOG 90-06861 1 fiche

It is now recognized that non-industrial indoor environments can contribute significantly to human exposure to airborne pollutants. This is particularly true in Canada, with its long cold winters and hot summers, which results in considerable amounts of time being spent in climate-controlled buildings. The working group was set up in October 1980 to consider a definition of acceptable air quality, the need for objective and/or maximum acceptable concentrations for specified substances and a specification of ventilation rates, or recirculation criteria in domestic premises. This report presents guidelines and recommendations for substances with non-carcinogenic and carcinogenic effects, and for substances with recommendations for controlling exposure. A description of the derivation of the guidelines is also included. Recommendations were not developed for radon because of the specialized knowledge required to develop guidelines.  
CA EV SC

#### Exposure system for animal studies involving high-level 60-Hz magnetic fields

by S.M. Harvey. Toronto : Ontario Hydro, Research Division, 1989. 16 p. : ill. (Report ; no. 89-259-K)  
MICROLOG 90-03521 1 fiche

An animal study was proposed as part of the risk assessment program for electrical magnetic fields to test the hypothesis that an association may exist between exposure to 60-Hz magnetic fields and the incidence of some types of cancer. This testing involved the use of animal exposure chambers capable of accommodating 6 different groups of laboratory mice, each containing up to 96 animals, with 4 of the groups exposed to preselected magnetic field levels up to 2 mT rms. This report describes new design criteria and specifications.  
EN EV ON PR PS SC

#### L'Expression commerciale : la publicité et la Constitution

par J. Robertson. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989.

15 p. Bibliogr. (Etude générale ; BP-200F) L'éd. anglaise (Commercial expression...) sur la même fiche. ISBN 0-660-92705-5  
MICROLOG 90-01884 1 fiche

A la différence d'autres modes d'expression, le discours commercial propose en général une opération financière; il vise à favoriser l'échange d'argent contre des biens ou des services. Ce document porte sur l'expression commerciale, la publicité et la constitution. Il examine particulièrement les points suivants: la définition de l'expression 'commerciale'; le discours commercial tel qu'on le conçoit aux Etats-Unis; l'expérience canadienne; et, la nature du discours commercial.  
CA CO

#### Exterior insulation cementitious fibre-reinforced cladding systems

Trow Incorporated Consulting Engineers. Toronto : Ministry of Housing, 1989. iii, 67 p. : ill. Bibliogr.  
MICROLOG 90-02897 1 fiche

Review of the performance characteristics and practices relating to exterior insulation cementitious fibre reinforced cladding systems (EICFS) as currently used in Canada and the U.S. The review outlines the principles which should be considered by architects and engineers involved in the design and field inspection of buildings using the EICFS systems, and offers suggestions as to measures that will provide optimum performance and extended service life. Suggested specifications and inspection check-lists for both factory manufactured panels and field applied systems are provided as indicative of current practice.  
ON PL PR PS SC

#### Extracted from guidelines for archaeological permit holders in Alberta

Edmonton : Alberta Culture and Multiculturalism, Archaeological Survey of Alberta, Historical Resources Division, 1989. 34 p.  
MICROLOG 90-03514 1 fiche

An archaeological resource impact assessment is intended to determine the impact potential of a development project on archaeological sites and make recommendations to mitigate anticipated impacts. This assessment almost always requires subsurface excavation and necessitates a historical resources mitigative research permit. This publication gives guidelines for permit holders, including the resource impact philosophy, pre-filed research, research design, site inventory approaches, site recording and assessment procedures, field collection procedures, record keeping, field emergencies and special conditions, submission requirements and development clearance, and mitigation studies.  
AL CU EV PR SC

#### F/V Eastward Ho assemblage survey of Hecate Strait, May 24-June 13, 1989

by B.L. Antonsen...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, Pacific Biological Station, 1990. iv, 17 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 783) ISSN 0706-6465  
MICROLOG 90-05146 1 fiche

From May 24-June 13, 1989, the F/V EASTWARD HO completed a synoptic trawl survey of groundfish species occupying the shelf area of Hecate Strait. Previous surveys were conducted in May-June 1984, February 1986 and May-June 1987 to collect information on species assemblages in the region using catch composition data. This is the first step towards development of an ecological basis for mixed species stock assessment. This report contains the results of the survey regarding weight and number for species caught and length frequencies by haul (95 usable). A



summary of temperature recordings at selected depth intervals at various locations is also included.

• BC CA CF FI SC

### **Fabrication and fatigue evaluation of welded joints for structures in marine environment, phase II : final report**

by M.J. Pates...et al. S.I. : AMCA International, Research and Technology Centre, 1989.

337 p. : ill. Bibliogr. CANMET contract: OSQ84-00431.

MICROLOG 90-07135 4 fiche

The prediction of the fatigue performance of tubular welded joints, used in the construction of offshore structures, has received much attention during the last decade. This report presents results of fatigue testing on large scale tubular joints welded in the T configuration to determine the effects of stiffening internally with two ring plates welded in the chord tube. All tubular joints were subjected to constant amplitude loading; the brace tube loading was axial, in-plane bending or out of plane bending. Two unstiffened and 7 stiffened joints were tested in air, two stiffened joints were cathodically protected (-0.85 V Ag/AgCl) and tested in artificial seawater at 5C or -2C. Strain gauges were used to determine the stress distributions produced by each mode of loading. Potential drop techniques were used to detect crack initiation at the chord toe of the brace/chord weld and to monitor crack shape development.

• CA CM PS SC

### **Fabrication and testing of a superconducting coil : phase 3 of the Maglev Development Program**

prepared for the Transportation Development Centre ; by A.A. Fife, S. Lee and M. Tillotson. Port Coquitlam, B.C. : CTF Systems Inc., 1989. xvi, 49 p. : ill. Bibliogr. MICROLOG 90-01752 1 fiche

Report documents research on superconducting magnet technology suitable for the levitation and propulsion units of the Canadian Maglev vehicle. The research involved the design, fabrication and testing of a racetrack coil using epoxy-impregnated windings of copper stabilized NbTi wire. The following results were achieved: fabrication and testing of a magnet with a strength of 400,000 Amp-turns in a support frame; selection and characterization of cryogenic strain gauges; characterization of strain in solenoidal and racetrack superconducting magnets; design, fabrication and testing of high current persistent switches and operation of superconducting magnets in persistent mode.

CA EN PS SC TR

### **The Face of the national capital**

by J.H. Taylor. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 39, 41 p. : ill., maps. Bibliogr. (About Canada) *Bilingual (Le Visage de la...)*. ISBN 0-662-55749-2

MICROLOG 90-00857 1 fiche

This document includes a history of Ottawa, and discusses the critical decades -- 1841-1867, the Ottawa of the early 20th century, planning the capital, the modern capital, and the modern city.

CA CU MU ON

### **Facilitating production of affordable housing through regulatory reform and streamlining approval processes**

Ottawa : Canada Mortgage and Housing Corporation, Research Division, 1986. 38 p. Prepared for the National Conferences of the Canadian Association of Housing and Renewal Officials, and the Federation of Canadian Municipalities.

MICROLOG 90-01697 1 fiche

This paper identifies the types of problems (real or perceived) that are being attributed to regulations that affect the development of new housing, or the renovation or conversion of existing housing; initiatives that have been taken to address these problems, both in Canada and abroad, and opportunities for regulatory reform in Canada. Finally, it outlines various strategies for promoting and facilitating reform.

CA JU SA

### **Facility design safety features and emergency response planning : on-site and along the access routes**

by P.D. Hunt. Toronto : Ontario Waste Management Corporation, 1988. iii, 155 p. : ill., fold. maps.

MICROLOG 90-02875 2 fiche

Description of the safety features and programs of the design and operation of the proposed Ontario Waste Management Corp. waste treatment facility. This report covers anticipated wastes, major process areas, general facility safety procedures, the on-site emergency response plan, organization and responsibilities, the proposed emergency response capabilities, the response plan development, the emergency response plan, and off-site emergency response planning.

EV ON PR SC

### **Fact finding under the School Boards and Teachers Collective Negotiations Act of Ontario**

by R.L. Jackson. Toronto : Education Relations Commission, 1988. 92 p. : ill. Bibliogr. ISBN 0-7729-5984-6

MICROLOG 90-01580 1 fiche

Explores the nature and efficacy of fact finding under the Act. Recognizing that the principal goal of fact finding is to help the parties reach a settlement, it examines the impact of fact finding on negotiations, both pre- and post-fact finding and, particularly, on the attainment of settlements. It also discusses fact finding in a procedural, tactical and strategic perspective from the point of view of the fact finder.

ED ON PR

### **Fact sheets**

Royal Canadian Mounted Police. Ottawa : The Police, 1990. 28, 28 p. Bibliogr. *Bilingual (Résumés des faits saillants)*. ISBN 0-662-57307-2

MICROLOG 90-04482 1 fiche

These fact sheets are designed to give a brief overview of the Royal Canadian Mounted Police and its activities. There are 28 fact sheets included here, covering the history and organization; training; activities relating to drugs, commercial crime, and traffic law enforcement, international cooperation with Interpol, security services; native policing, police dog services, marine, land and air transport; technical resources; telecommunications; the musical ride, counterfeiting and computer crime, and contract policing.

CA JU

### **Facteurs de production agricole et finance, 1989**

Ottawa : Agriculture Canada, Direction des politiques, 1989. 101 p. : ill. Bibliogr. (Analyse du marché) *L'éd. anglaise (Farm inputs and finance...)* : 90-02781/2.

CSI 21100.018F

MICROLOG 90-02780 2 fiche

Ce rapport contient une série de textes faisant état de la situation et des perspectives concernant les facteurs de production agricole (terres, main-d'oeuvre, crédit et financement, machines et bâtiments, engrais, produits agrochimiques et énergie), selon l'information disponible avant la fin d'octobre 1989, c'est-à-dire avant que les données du Recensement de l'agriculture de 1986 soient accessibles. Le

document examine particulièrement les points suivants : la main d'oeuvre agricole, les terres agricoles, la machinerie et les constructions agricoles, l'énergie, les engrais, les produits agrochimiques, le crédit et le financement agricoles, et le survol de la situation financière du secteur agricole canadien.

AG CA CO SC

### **Facteurs de sécurité biologiques et évaluation du risque toxicologique**

préparé pour la Direction de l'hygiène du milieu, Direction générale de la protection de la santé, Santé et bien-être social Canada ; par R. Stephen McColi. Ottawa : Santé et bien-être social Canada, 1990. 45 p. : ill. Bibliogr. *L'éd. anglaise (Biological safety...)* sur la même fiche. ISBN 0-662-95920-5

MICROLOG 90-06409 1 fiche

Ce document se penche particulièrement sur les points suivants, les notions de base pour la détermination des facteurs de sécurité; la dose journalière admissible et les facteurs de sécurité; la classification des effets toxiques; la description des facteurs de sécurité; les modèles mathématiques pour le facteur de sécurité; les autres conceptions des méthodes FS; les méthodes FS appliquées aux produits cancérigènes; et, les méthodes FS appliquées aux lérotogènes.

CA EV LA SC

### **Factorial experiments**

by V. Seshadri. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 6 p. (Report ; MS 65-127)

MICROLOG 90-04646 1 fiche

Description of factorial experiments and their uses, including analyses for contrasts, and sample size problems.

• CA CM NR PS SC

### **Factors controlling the secondary productivity of benthic macroinvertebrates in freshwaters : a review**

by T. Iwakuma. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 30 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5361) *Originally published in Japanese, by the Japanese Journal of Ecology*. ISSN 0704-3716

MICROLOG 90-01493 1 fiche

Among the groups of secondary producers, Chironomidae were the most productive, both in standing and running waters. A regression analysis was performed on the reported secondary production data for 39 herbivorous and detritivorous chironomid species in 37 standing waters. This paper presents the results of that analysis.

• CA CF FI LS SC

### **Factors modifying lung cancer risk in Ontario uranium miners, 1955-81**

by J. Muller, R. Kusiak and A.C. Richie. Toronto : Ministry of Labour : Workers' Compensation Board of Ontario ; Ottawa : Atomic Energy Control Board of Canada, 1989. 37 p. : ill. Bibliogr. MICROLOG 90-03108 1 fiche

This report shows how smoking and time factors such as time since exposure and attained age affect the exposure response function in Ontario uranium miners. It also reports on the relationship between exposure to radon progeny and the cell type of the lung cancer.

LA ON PR



**Failure of concrete foundations in Atlantic Canada housing in the 1980's**

by R.C. Hale. Ottawa : Canada Mortgage and Housing Corporation, 1988. 13 p.  
MICROLOG 90-01627 1 fiche

Failures, including cracked basement walls and settling of concrete basement floor slabs, occurred in the concrete foundations of houses built in Atlantic Canada in the 1980s. From a list of over 300 candidate units, 30 units in the Halifax, Dartmouth, Sackville and Bedford areas of Nova Scotia were selected for detailed study. The analysis determined what caused the problem, the type and cost of the remedy, the effectiveness of the repairs, and steps to take during construction to control cracking and prevent water and foundation damage.  
AP CA PL PS SC

**Failure probability distribution for the top event of a fault tree : user's guide**

by R. Sue and A.H.C. Chan. Toronto : Ontario Hydro, Research Division, 1990. 268 p.  
(Report, no. 89-300-K)  
MICROLOG 90-06027 3 fiche

To investigate the effect of using different probability distributions for failure probability parameters in the analysis of a fault tree, a Monte Carlo simulation package was developed to determine the failure probability distribution for the top event of the fault tree. This guide describes fault tree approximations, details on how to get started and the technical documentation, then presents a sample run.  
EN ON PR PS SC

**Faits saillants des travaux de la Station de recherches de Lennoxville, 1981**

par Y. Martel. Lennoxville, Québec : Agriculture Canada, Direction générale de la recherche, Station de recherches, 1981. ii, 50 p. : ill. (Bulletin, 2) CSI 21100.013.  
MICROLOG 90-05312 1 fiche

La Station a la responsabilité principale des recherches en productions animales dans le Québec pour le compte d'Agriculture Canada. Le but de cette expérience est de comparer divers systèmes fourragers pour la production du lait. On a utilisé quatre groupes de 10 vaches chacun et recueilli des données sur le rendement et la qualité des récoltes, la consommation d'aliments, la production de lait ainsi que la reproduction et la santé des animaux. Ce document présente les résultats de ces études.  
● AG CA QU SC

**Fall calving of beef cows**

by R. Hand and D. Engstrom. Edmonton : Alberta Agriculture, 1989. 9 p. : ill. (Agri-fax)  
MICROLOG 90-00211 1 fiche

The potential for higher conception and weaning rates, price premiums and the elimination of calf scours are among the reasons some Alberta beef producers have switched from spring calving to fall calving. This factsheet presents the advantages and disadvantages of the switch, a feeding program, fertility and health measures, getting started, facilities, marketing, economics, and a management calendar.  
AG AL PR SC

**Fall feeder sale, 1989**

Halifax : Dept. of Agriculture and Marketing, 1989. 6 p. CSI 51700.004.  
MICROLOG 90-02149 1 fiche

Brief statistical summary of the 1989 fall feeder sales, held on October 10 and 28 in Truro, Nova Scotia. The report outlines average prices paid for feeder cattle by quality and sex, and compares them to the previous 9

years.  
AG AP PR SC ST

**The Families and subfamilies of Canadian Chalcidoid wasps, Hymenoptera : Chalcidoidea**

by C.M. Yoshimoto. Ottawa : Dept. of Agriculture, Research Branch, 1984. 149 p. ill. Bibliogr. (The Insects and arachnids of Canada ; pt. 12) ISSN 0706-7313 ISBN 0-660-11482-8  
MICROLOG 90-00011 2 fiche

Manual to assist amateur and professional entomologists, technical assistants, and students to recognize the families and subfamilies of Chalcidoids, primarily through the use of illustrated keys. The book also contains a discussion and glossary of anatomical terms used in Chalcidoid taxonomy, a section on general biology, and a discussion of the biology of each family and subfamily. Keys to the families and subfamilies are included. Subfamily treatments include a discussion of the tribes and genera known to occur in Canada.  
CA LS SC

**La Famille : priorité nationale : document de travail de la Saskatchewan**

Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1988. 6, 6 p. Bilingue (The Family : a national priority...). Présenté à la Conférence des premiers ministres provinciaux.  
MICROLOG 90-02016 1 fiche

Lors de leur récente rencontre à Parksville, en Colombie-Britannique, les Premiers ministres des provinces de l'Ouest ont affirmé que la croissance économique et les services sociaux à la population allaient de pair pour bâtir une société meilleure. Ils ont également admis l'importance primordiale de la famille et la nécessité de protéger et de soutenir cette dernière grâce, entre autres, à des services de garderie, de soutien aux familles monoparentales et d'aide aux victimes de violence intra-familiale. La Saskatchewan croit que le moment est peut-être venu pour les gouvernements d'envisager des moyens communs d'élaborer des stratégies visant à améliorer la vie familiale au Canada. Ce document fait la lumière sur ce point.  
MS PR SA

**The Family : a national priority : a Saskatchewan discussion paper**

Ottawa : Canadian Intergovernmental Conference Secretariat, 1988. 6, 6 p. Bilingue (La Famille : priorité...). Presented at the Premiers' Conference.  
MICROLOG 90-02016 1 fiche

In a recent conference, Western Premiers affirmed their view that economic growth and human services to people go hand in hand in building a better society. They also recognized the increasing importance of the family and the need to protect and support it through family services including child care, support services to single parents, and services to victims of family violence. This document discusses the family in the 1990's, a framework for a family policy, the policies and programs which Saskatchewan is building, and opportunities for intergovernmental cooperation.  
CI MS PR SA

**Family and Social Services : in review**

Edmonton : Alberta Family and Social Services, 1990. 75 p.  
MICROLOG 90-07339 1 fiche

This document details the many programs and services provided to Albertans by the Department including the child welfare services, children's advocate, income support services,

and services to persons with disabilities.  
AL PR SA

**Family law legislative package, 1989**

Manitoba. Manitoba Justice, Winnipeg : Manitoba Attorney General, 1989. 44 p.  
MICROLOG 90-02358 1 fiche

Explains the Dependents Relief Act, the Intestate Succession Amendment Act, the Wills Amendment Act, the Dower Amendment Act, the Family Maintenance Act, and the Marital Property Amendment Act.  
CI JU MS PR

**Family Maintenance Enforcement Program : Status report, 1990**

Victoria : Ministry of Attorney General, 1990. 11 p. : ill. CSI 37101.003  
MICROLOG 90-03158 1 fiche

This report outlines the Program's activities and accomplishments for 1989 and some of the challenges to be addressed in 1990.  
BC PR SA

**Family violence : a review of theoretical and clinical literature**

by D. Frankel-Howard. Ottawa : Health and Welfare Canada, Policy, Communications and Information Branch, 1989. 115, 129 p. Bibliogr. Bilingue (La Violence familiale...). ISBN 0-662-16951-4  
MICROLOG 90-01009 3 fiche

The purpose of this review is to provide an analytical overview of recent literature in the area of family violence. The review covers scholarly research, theoretical approaches and practical applications to prevention, protection and treatment of family violence.  
● BS CA SA

**Farm Credit Corporation Canada : Annual report 1989-90**

Ottawa : The Corporation, 1990. 40 p. : ill. CSI 22222.001  
MICROLOG 90-06067 1 fiche

Annual report of the Corporation, established in 1959 as a Crown agency to provide financial services to enable farmers to establish, develop and maintain viable farm enterprises. Highlights are given for the current year, and an outlook for the coming year. Further information is presented on corporate objectives, lending operations, and financial operations, including cash flow borrowings, interest margin, and allowance for loan losses and a five-year review. A financial statement is included, along with a corporate directory.  
AG CA CO SC ST

**Farm credit statistics, 1988-89**

Ottawa : Farm Credit Corporation Canada, 1989. iv, 43 p. Bilingue (Statistiques du crédit...). CSI 22222.003  
MICROLOG 90-00823 1 fiche

Presents information on lending activity; arrears, properties, and interest rates, characteristics of FCA borrowers, and an overview of Canadian agriculture. It also contains census tables.  
AG CA CO ST

**Farm credit statistics, 1989-90**

Farm Credit Corporation Canada. Ottawa : The Corporation, 1990. ii, 42 p. Bilingue (Statistiques du crédit agricole, 1989-90) CSI 22222.003  
MICROLOG 90-06557 1 fiche

Annual report for fiscal year 1990 of the Farm Credit Corporation, a Crown agency established in 1959 to provide loans to assist farmers in developing viable farm units, such as buying farmland, erecting or modernizing farm buildings, purchasing livestock and equipment, refinancing debts, or any other purpose which facilitates the efficient operation of the farm



unit. An overview is given of the year's loans and of agricultural operations, including net and gross farm income, for the country. Other data are presented on lending activity, arrears and interest rates, characteristics of borrowers, and census tables of related interest.  
AG CA CO SC ST

#### Farm Improvement Loans Act : Annual report 1987

Ottawa : Agriculture Canada, 1989. 13, 14 p. *Bilingual (Loi sur les prêts...)*.  
CSI 21100.003. ISBN 0-662-56426-X  
MICROLOG 90-01639 1 fiche

Annual report of the Act, which provides intermediate and short-term credit to farmers for the improvement and development of farms, and for the improvement of living conditions on them. This report outlines the financial activity for the 13-month period ending January 31, 1988. The report includes an overview of programs, objectives and performance for 1987 and for 1988-89, an overview of the farm economy, financial highlights, and 1988 outlook. Financial data is included.  
AG CA CO ST

#### Farm Income Stabilization Commission of Ontario : Annual report 1988-89

Toronto : The Commission, 1989. 11, 11 p. *Bilingual*. CSI 56105.001.  
MICROLOG 90-01644 1 fiche

Annual report of the Commission, covering the year's activities, and a financial statement with statistics.  
AG CO ON PR

#### Farm inputs and finance, 1989

Ottawa : Agriculture Canada, Policy Branch, 1989. 96 p. : ill. Bibliogr. (Market commentary) *French ed. (Facteurs de production...)* : 90-02780/2. CSI 21100.018.  
MICROLOG 90-02781 2 fiche

This report contains situation and outlook papers for the major farm inputs: land, labour, credit and finance, machinery and structures, fertilizer, chemicals, and energy. It is based on information available up to the end of October, 1989, before the release of data from the 1986 Census of Agriculture.  
AG CA CO SC

#### Farm machinery economics

Winnipeg : Manitoba Farm Business Management ; Canada-Manitoba Agri-Food Agreement, 1989. 35 p.  
MICROLOG 90-00443 1 fiche

This publication is intended to assist farmers evaluate investments in farm machinery. It sorts out those costs and returns that need to be taken into account, and develops ways to compare dollars leaving or entering the farm business at different time periods. It also provides ways to compare different ownership and financing alternatives as they affect profitability, liquidity, and the farmer's wealth or equity in the business.  
AG CO MS PR

#### Farm planning guide : 1990 crop estimates

by K. Kyle and G.A. Therrien. Winnipeg : Manitoba Agriculture, Farm Business Management, 1990. 11 p. (Information update) CSI 41100.015.  
MICROLOG 90-03897 1 fiche

Projected crop costs in 2 budgets, prepared to assist in developing individual production costs. General departmental recommendations are assumed in using fertilizers and chemical inputs. The figures provide an economic evaluation of the crops and estimate the yields required to cover all costs plus give a return to labour, management and investment. Estimated costs are given for wheat, barley, canola, flax, rye, corn, sunflowers, peas, lentils,

and buckwheat.  
AG MS PR SC ST

#### Farm water supply : water treatment systems

Toronto : Ministry of Agriculture and Food, 1989. 27 p. : ill. Bibliogr.  
MICROLOG 90-05299 1 fiche

Guide for water treatment on farms, covering water quality objectives and criteria, surface and groundwater quality, bacteriological and chemical tests, and common problems. Specific treatments for hardness; iron and iron bacteria, manganese; coliform bacteria, protozoa and viruses; hydrogen sulphide and sulphate-reducing bacteria; chloride, sulphate and nitrate, turbidity; gasoline and oil; gases such as methane; taste and odour, acidity, and pesticides are given.  
AG ON PR SC

#### Farrowing facilities -- Rev.

Edmonton : Alberta Agriculture, Pork Industry Branch, 1990. 9 p. : ill. (Alberta pork production handbook)  
MICROLOG 90-05949 1 fiche

This pamphlet on farrowing facilities covers the room, creep area, sow stall, flooring for sows and weaners, waterers, farrowing pens, and environment.  
AG AL PR SC

#### Fastats N.B., VIII : a summary of answers to frequently asked questions

Fredericton : Alcoholism and Drug Dependency Commission of New Brunswick, Research Division, 1990. 25, 25 p. : ill. *Bilingual (Statistiques sommaires..VIII...)*.  
CSI 46100.002. ISSN 0833-5117  
MICROLOG 90-05133 1 fiche

The purpose of the Commission is to treat and rehabilitate persons suffering from alcoholism and drug dependency, control problems related to the consumption of alcohol and other drugs, and communicate information respecting the nature and effects of alcoholism and drug dependency. This document analyses consumption, the economics of alcohol production, alcohol related problems, and it reports on special interest groups, facilities available in New Brunswick for dealing with the alcohol and drug dependent person, in-house research, and library services.  
AP BS PR SA ST

#### Fate and toxicity of the herbicide diclofop-methyl : a literature review

by D.R. Lintott and D.T. Waite. Ottawa : Environmental Protection Service, Western and Northern Region, 1989. 32 p. Bibliogr. (Report : CP(EP) WNR 89/90-3)  
MICROLOG 90-06743 1 fiche

Diclofop-methyl methyl 2-[4-(2,4-dichlorophenoxy) phenoxy] propionate, otherwise known as HOE-23408, Hoelox, HOE-GRASS and Illoxan, is a phenoxyalkanoic herbicide introduced several years ago by Farbwerke Hoechst AG. It is extensively used in western Canada as a post emergence herbicide for control of wild oats and other grassy weeds in crops such as wheat, barley and flax. Both diclofop-methyl and its hydrolysis product diclofop acid have herbicidal activity which may be toxic to humans and wildlife. This report summarizes the results of a literature review on the fate of diclofop-methyl in terrestrial and aquatic environments, its transport in the environment, and its toxicity to humans and wildlife on land and in the water.  
● CA EV SC

#### Fatness in grenadiers of the North Atlantic

by P.I. Savvatimskii. Ottawa : National Research Council, Canada Institute for

Scientific and Technical Information, 1988  
25 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences : no. 5390)  
Originally published in Russian, by PINRO, at Murmansk, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-01513 1 fiche

Fat accumulates in perches, minnows, herring-like fishes and righteye flounder in the subcutaneous cellular tissue and in the internal organs, chiefly in the intestine; in cods and grenadiers the fat is concentrated in the liver. The behaviour of the fishes depends on the quantity of fat accumulated in the liver; those with much fat can remain in one place for a long time with little feeding. Grenadier fishing began in the North Atlantic only in 1967 and their habits have not therefore been well researched. A determination of the fatness of grenadiers aids in understanding and in predicting their behaviour and the intensity of fattening in different seasons and in different years, as well as its periods of migration and spawning. This report presents the results of a study of the fatness of North Atlantic grenadier that are of commercial importance and that show commercial promise.  
● CA CF FI SC

#### Faut-il vraiment que je l'utilise? Un modèle motivationnel de l'utilisation de la bureautique : document de travail

par H. Daoust. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, Direction de la recherche organisationnelle, 1987. 49 p. Bibliogr. *L'éd. anglaise (Do I really have to use it...)* : 90-04209/1. ISBN 0-662-95018-6  
MICROLOG 90-04201 1 fiche

La micro-informatique occupe une place de plus en plus importante dans de nombreux secteurs de la société nord-américaine et cette tendance ira en s'accroissant, poussée par le développement des nouvelles technologies et par les demandes sociales et organisationnelles pour une productivité accrue. Le document se penche sur la théorie de l'évaluation cognitive; la revue de la littérature; les pistes de recherche; et, les références.  
CA LA PS SC

#### Le Favoritisme politique : une tradition mise en question

par J. Stilborn. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 44 p. Bibliogr. (Etude générale : BP-199F) *L'éd. anglaise (Political patronage...)* sur la même fiche ISBN 0-660-92704-7  
MICROLOG 90-01883 1 fiche

Ce document vise à faciliter la discussion sur le favoritisme politique en fournissant des renseignements et en procédant à l'analyse de quatre questions principales: Qu'est-ce que le favoritisme? Comment le favoritisme est-il né au Canada et quel est son statut à l'heure actuelle? Quelles pratiques retrouve-t-on dans d'autres pays et comment se comparent-elles à celles du Canada? Enfin, quelles sont les principales perspectives de réforme et comment devrait-on les évaluer?  
CA PA

#### Fawcett Township

compiled by the staff of the Resident Geologist's Office, Cobalt, Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 32 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 507)  
MICROLOG 90-05982 1 fiche

Geological data inventory for Fawcett Township, including a data sources checklist, references to metals and minerals, mineral occurrences by geographic area, type of exploration work by company or individual, drillhole summary by company, geochemical survey data, newspaper



clippings, results of an ODM general index search, and selected references.  
NR ON PR PS SC

### Fawn River Provincial Park : interim management statement

Toronto : Ministry of Natural Resources, 1989. 7 p. : maps. Bibliogr.  
MICROLOG 90-01986 1 fiche

This statement identifies park values which are to be protected, resource management prescriptions necessary to protect these values, and restrictions on the use of natural resources within the park. The statement presents management guidelines on land tenure, land acquisition/disposition, existing/proposed development, recreation activities, commercial activities, native interests, natural resources, cultural resources, client services, research, and marketing.  
CU ON PR

### Fe-Nb-oxides : phase relationships at 1180C

by A.C. Turnock. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. i, 23 p. : ill. Bibliogr. (Report : MS 65-13)  
MICROLOG 90-04649 1 fiche

Subsolidus phase relationships of the oxides in the system Fe-Nb-O were experimentally determined at 1180C, 1 atm. total pressure, and variable partial pressures of oxygen. This paper describes the results of those experiments.

• CA CM NR PS SC

### Fe-Ta-oxides : phase relationships at 1200C

by A.C. Turnock. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1964. i, 32 p. : ill. Bibliogr. (Report : MS 64-45)  
MICROLOG 90-04625 1 fiche

Recent studies of the tantalates wadginite and ixiolite have focused attention on the phase relationships in systems containing the oxides of Ta, Nb, Fe, Mn and Sn. This paper deals with the oxides encountered in the system Fe-Ta-O. The paper describes the stability and oxidation products of FeTa<sub>2</sub>O<sub>6</sub> and the end-member of the topiolite mineral series. Other ternary compounds were synthesized, some of them previously unknown.

• CA CM NR PS SC

### Feasibility of aquatic plant harvesting in water quality amelioration and nutrient management in a shallow impoundment : the Orangeville Reservoir

prepared by Beak Consultants Limited and Credit Valley Conservation Authority. Toronto : Environment Ontario, 1989. iii, 60 p. : map. Bibliogr. ISBN 0-7729-5284-1  
MICROLOG 90-01351 1 fiche

Aquatic plant harvesting represents a simple and low cost method of nutrient management. In most southern Ontario reservoirs, eutrophication is a major management problem. The Orangeville reservoir, located at the headwater of the Credit River, is typical of many southern Ontario impoundments. The reservoir is shallow and supports heavy growth of aquatic macrophytes in summer. Aquatic plant harvesting was carried out to a limited extent in 1984 and 1985, and more extensively in 1986. A study of the role of plant harvesting in the nutrient budget of the Orangeville reservoir was undertaken in 1986 to evaluate the potential of biomass harvesting as a water quality management tool for shallow reservoirs. This was accomplished through a 1-year evaluation of the nutrient budget for the reservoir, an evaluation of the role of sediments in the nutrient budget, and an

evaluation of the effects of plant harvesting on water quality through comparison with historic data.

EV LS ON PR SC

### The Feasibility of energy-from-waste incineration in Alberta

Edmonton : Alberta Energy, Research and Technology Branch, 1990. 10 p. : ill. Bibliogr. ISBN 0-86499-663-2  
MICROLOG 90-04989 1 fiche

Energy-from-waste incineration plants, burning a minimum of 1,000 tonnes per day of garbage, are common in Japan, Europe and the U.S. However, Canada has been slow to adopt this method of waste disposal, partly because of the expense of building the incinerators, and partly because of the lack of large cities. This report presents a summary of a state-of-the-art review of energy-from-waste technology and the feasibility of its use on a relatively small scale in Alberta. The report covers design elements, air pollution control, emissions, energy recovery, economics and a case study for the county of Mountain View in central Alberta.  
AL EN PR SC

### The Feasibility of integrated pest management on potatoes in Ontario

by D.J. Madder and M. Stemeroff. Toronto : Pesticides Advisory Committee, 1985. ix, 89 p. Bibliogr. ISBN 0-7729-5775-4  
MICROLOG 90-02486 2 fiche

A large variety of insects, weeds, diseases and nematode pests attack potatoes, leading to 60% of crop losses. Frequent application of pesticides is usually the only recourse. This report gives information on the biology and significance of pests to potato production, current control tactics and the problems associated with them, potential techniques for use in integrated pest management, and the potential of implementation of integrated pest management.  
AG ON PR SC

### Feasibility of using segmentation techniques for the enhancement of marine radar images as encountered in ice infested waters

by F. Kahloun and A. Nilakantan. Ottawa : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1989. xii, 59 p. : ill. Bibliogr.  
MICROLOG 90-04083 1 fiche

Investigation of the feasibility of using image processing techniques to enhance and segment the ice features present in marine radar images. Enhancement methods based on linear and non-linear spatial filtering, frequency domain filtering, histogram treatment, thresholding, and mathematical morphology were implemented and tested. The segmentation process was subdivided into edge-based and region-based techniques. Edge-based segmentation methods include convolution with local operators, relaxation labeling on edges and curves, and contour tracing. Region-based segmentation techniques include clustering, relaxation labelling on clusters, quadtree, and region merging.  
AP CA NO PS SC TR

### Feasibility study and costing of proposed pollution control measures in the Humber sewershed

Paul Theil Associates. Toronto : Toronto Area Watershed Management Strategy Steering Committee, 1986. 2 v. : ill., maps. Bibliogr. (Technical report ; no. 9) Contents: Vol. I : Technical report -- vol. II : Addendum.  
MICROLOG 90-01898 4 fiche

In an effort to maintain or upgrade water quality within the Toronto area watershed, the Ministry of the Environment has commissioned a number of studies. This study deals specifically with the watersheds of the Humber

River and the associated tributaries. Four specific tasks involving the feasibility and costing of various pollution control works were completed for this study, a brief description and the main objectives of which are given. The tasks included combined sewer overflow control at centralized locations, flow control in local combined sewers, separation of combined sewers, and stormwater detention ponds. Brief descriptions of the main advantages and disadvantages of the inlet control method and sewer separation are given, as well as the estimated costs for the proposed works. The cost estimates were based on 1984 construction costs and include installation, restoration, operation, maintenance and replacement costs, land costs and a 20% engineering and contingency allowance.  
EV MU ON PR PW SC

### A Feasibility study for an enhanced 911 system for the Greater Vancouver Regional District

Vancouver, B.C. : Greater Vancouver Regional District, 1987. 56 p.  
MICROLOG 90-05425 1 fiche

This document reports on the results of the study that identified several operating arrangements which are feasible; describes the operating standards that are critical to the design of the system; estimated the capital and operating cost of the system options; and describes the administrative options available to local governments to finance and to manage the system options.  
BC JU MU

### Feasibility study of a wind shear/microburst detection, analysis and advance warning system for Canadian airports

prepared for the Transportation Development Centre : by Geoff Austin, Douglas Ballantyne and Karl Snider. Ottawa : MacDonald Dettwiler & Associates, 1989. xxiii, 164 p. : ill. Bibliogr.  
MICROLOG 90-01751 2 fiche

Hazardous wind shear conditions have been linked to the meteorological phenomena known as microbursts. Microbursts, and the associated wind shear conditions, are difficult to predict with the detection technology currently available at Canadian airports. This study examined the feasibility of a wind shear/microburst detection system for use at Canadian airports. Six user requirements for the detection system were established by Transport Canada, including cost, coverage and functionality. The report describes the meteorological causes of wind shear, including a detailed discussion of microbursts; current wind shear/microburst detection technologies; and a system consisting of Doppler radar and low level sensors.  
CA PS SC TR

### A Feasibility study of residential intensification in single-industry towns : a case study of Hemlo

by J. Stafford and B. McMillan. Ottawa : Canada Mortgage and Housing Corporation, 1987. 153 p. : ill., maps. Bibliogr.  
MICROLOG 90-01698 2 fiche

The study examines the flexibility of intensifying the existing stock of housing and serviced land in residential subdivisions in two Northwestern Ontario resource towns currently experiencing rapid population development related to the Hemlo goldfield expansions. It determines and discusses the opportunities for residential intensification through surveys with community residents and interviews with key municipal and community personnel, and data analyses which measure the physical potential of existing housing.  
CA SA



**A Feasibility study of solvent-assisted gravity drainage of heavy oil using propane vapour : development of the VAPEX process : final report**

by R.M. Butler and I.J. Mokrys. Calgary, Alta. : University of Calgary, Dept. of Chemical and Petroleum Engineering, 1989. 124 p. : ill. Bibliogr. CANMET contract: 79145-01-SS MICROLOG 90-05643 2 fiche

Final report summarizing experimental work carried out during the investigation of solvent-assisted gravity drainage of heavy oils using solvent vapour. The experiments were conducted in a scaled visual Hele-Shaw cell and in a scaled packed cell with Tangleflags North heavy oil and propane. All phases of the experimental development involved the contracting of bitumen with propane vapour at or above its dew point in a vertical cell. In the first experiments, the Hele-Shaw cell was exposed to saturated propane vapour along a vertical edge which was left open and the oil drainage was determined from photos. In later experiments, saturated propane vapour entered the vertical Hele-Shaw cell at the top and formed a V-shaped chamber. The rate of oil drainage was studied as a function of saturation temperature and pressure at a constant rate of withdrawal. In the final experiments, a scaled packed cell with 7 thermocouples arranged in a 7-spot pattern was designed. All heat to the oil was supplied by simultaneous injection of propane and hot water.

• AL CA CM EN PS SC

**The Fecundity of the Atlantic salmon *Salmo salar* L. from the Varguza River**

by M.N. Melnikova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 15 p. (Canadian translation of fisheries and aquatic sciences ; no. 5114) Originally published in Russian, in the USSR ISSN 0704-3716 MICROLOG 90-00043 1 fiche

The Atlantic salmon of the Varguza River are grouped into winter salmon (enters the river in June), summer salmon (enters the river at the end of June or the beginning of July), grise (July), and autumn salmon (enters the river mainly in October-November). Since females of the autumn salmon sharply predominate in the river, and the abundance of female grise and summer salmon constituted approximately 4% of the number of female autumn salmon in 1958 and 2.3% of the same in 1959, the data presented in this paper characterize mainly the fecundity of this particular group. The paper describes the relationship between size and weight and fecundity.

• CA CF FI LS SC

**Federal and provincial support to post-secondary education in Canada : a report to Parliament, 1988-89**

Ottawa : Dept. of the Secretary of State of Canada, 1990. ii, 115, ii, 119 p. : ill. Bilingual (*Aide fédérale et provinciale à...*). CSI 21120 005 ISBN 0-662-57340-4 MICROLOG 90-05414 3 fiche

This annual report describes post-secondary education financing, federal programs of support to, or involvement in post-secondary education, the relationship between such federal contributions, transfers and programs and Canada's educational and economic goals. It describes the results of consultations by or on behalf of the Secretary of State of Canada with the Council of Ministers of Education relating to the definition of national purposes and the means by which those purposes will be achieved. The report also identifies areas in which the views of provincial/territorial governments are significantly different from those represented by federal legislation. CA ED ST

**Federal by-elections : report of the Chief Electoral Officer pursuant to section 193 of the Canada Elections Act, 1989**

Canada. Office of the Chief Electoral Officer. Ottawa : The Office, 1989. 4 p. Bilingual (*Elections partielles fédérales* 1989). ISBN 0-662-57216-5 MICROLOG 90-03629 1 fiche

Includes a report from the various polling stations and the total vote calculation. AL CA PA

**Federal by-elections : report of the Chief Electoral Officer pursuant to subsection 58(9) of the Canada Elections Act, 1988**

Canada. Office of the Chief Electoral Officer. Ottawa : The Office, 1988. 7 p. Bilingual (*Elections partielles fédérales...* 1988). CSI 22163 004 ISBN 0-662-56338-7 MICROLOG 90-02258 1 fiche

This publication reports on the by-election for Lac-Saint-Jean, Quebec. It contains information on polling stations, ballot papers cast, rejected ballot papers, and the total vote. CA PA ST

**The Federal deficit and universality of social programs**

by M.G. Wrobel. Ottawa : Library of Parliament, Research Branch, 1989. 16 p. ill. (Background ; BP-202E) French ed (*Le Déficit fédéral...*) on the same fiche ISBN 0-660-13307-5 MICROLOG 90-01886 1 fiche

In the April 1989 federal budget, the Minister of Finance introduced a taxback mechanism for the family allowance and the old age pension. This paper examines the current federal deficit and the implications of various universally available programs and tax measures for the size of that deficit. CA CI CO PA SA

**Federal economic instruments and the achievement of environmental objectives : an overview of opportunities and achievements**

by E.W. Manning, W.K. Bond and R. McKechnie. Ottawa : Environment Canada, Sustainable Development Branch, 1989. 10 p. Bibliogr. MICROLOG 90-06317 1 fiche

Some work has already begun in Environment Canada to identify the range of economic and fiscal instruments available and to examine potential ways of modifying them in support of environmental objectives. This overview describes some of the opportunities identified, the levers which could be used (e.g., use of tradeable permits or marketable quotas, resource pricing, development rights, use of tax instruments), and the impacts of federal programs on environment planning and resource management.

• CA EV SC

**The Federal Energy R&D Program : putting imagination to work**

Ottawa : Energy, Mines and Resources Canada, 1989. 42 p. : ill. French ed (*Programme fédéral de recherche...*) : 90-02761/1. ISBN 0-662-17096-2 MICROLOG 90-02760 1 fiche

Since 1974 the Canadian federal energy R&D program has been developing new technologies and creating opportunities, working through 13 federal departments and agencies, in areas as diverse as domestic furnaces and global warming. This booklet gives a series of examples and case histories to show the results of the program. It covers projects for energy efficiency and diversification, health and safety, the environment, industrial growth,

regional development, and future technologies. A list of International Energy Agency agreements for cooperative R&D in which Canada is a participant, federal departments and agencies which have participated in the interdepartmental Panel on Energy R&D, and the programs carried out by the federal Panel for Energy R&D are also given. CA EN SC

**Federal expenditures as a tool for regional development**

by P. Hartling. Halifax : Council of Maritime Premiers, 1990. iv, 36 p. ISBN 0-920925-03-0 MICROLOG 90-07053 1 fiche

This publication examines federal government spending priorities currently, and over time. It also provides information on federal department spending by province. It includes observations and conclusions. Crown Corporations and similar bodies are not included although they have significant impact on the economies of the provinces. In many cases their major policy decisions are influenced by government. It does not analyze spending in qualitative terms either.

• CA CO PA

**Federal forests in Canada, 1990**

Ottawa : Forestry Canada, 1990. 6 p. French ed (*Les Forêts fédérales*) on the same fiche CSI 22189 017. ISBN 0-662-17830-0 MICROLOG 90-06965 1 fiche

Brochure giving data on Canada's forests, including area classification, inventoried, productive land by province and ownership, federal lands by ownership and size class, estimated wood volume on federal land, roundwood harvest and stumpage revenue and estimated value of primary forest products from federal lands.

CA FO SC ST

**The Federal Green Plan : assessing the 'prequel'**

by G.B. Doern. Toronto : C.D. Howe Institute, 1990. 8 p. Bibliogr. (Commentary ; no. 17) ISSN 0824-8001 ISBN 0-88806-260-5 MICROLOG 90-05847 1 fiche

This document reviews the federal government's green message, and points out some of its failings including its ahistorical nature. It also examines market approaches, and command-and-control approaches. In addition it looks at consultation and negotiation in setting standards, cabinet decision making processes, environmental monitoring and information, and setting environmental priorities.

• CA CI EV

**Federal pollution legislation**

by H. Morrison and P. Niemczak. Ottawa : Library of Parliament, Research Branch, 1989. 20 p. Bibliogr. (Background ; BP-198E) French ed (*La Législation...pollution*) on the same fiche ISBN 0-660-13303-2 MICROLOG 90-01892 1 fiche

Summary of the Canadian federal legislation that regulates and prohibits pollution, generally understood to imply the contamination or disturbance of the environment by the emission or discharge of some noxious substance. The document begins with general legislation, describing the responsibility of the Department of the Environment, environmental quality objectives, guidelines and codes of practice, environmental assessment, criminal code offences, emergency measures, and federal works, lands and undertakings. Legislation dealing with toxic substances and hazardous waste is then considered, including water pollution, air pollution, and noise pollution. Some of the more important laws regulating



pollution in the oil and gas industry, the nuclear industry, transportation, and agriculture conclude the paper.  
CA CI EV JU SC

### Federal spending : changing trends -- Rev.

by M. Wrobel. Ottawa : Library of Parliament, Research Branch, 1989. 14 p. Bibliogr. (Current issue review ; 87-2E) French ed. (*Les Dépenses fédérales...*) on the same fiche ISBN 0-660-13391-1  
MICROLOG 90-03015 1 fiche

Presents information on the national accounts basis, the envelope system, spending on social services, and debt charges. It also covers parliamentary action on this matter.  
CA CO PA

### Federal-provincial crop insurance review : discussion paper summary

Winnipeg : Manitoba Crop Insurance Corporation, 1989. 12 p.  
MICROLOG 90-00240 1 fiche

Contains background information and an overview of crop insurance, a summary of issues such as yield determination, coverage level, unit prices, risk splitting, new or experimental crops, forage insurance, and self-sustainability and program administration; and a framework for discussing options.  
• AG CA CO

### Federal-provincial programs and activities : a descriptive inventory, 1989-90

Ottawa : Federal-Provincial Relations Office, 1990. ix, 311 p. French ed. (*Répertoire des programmes et...* 1989-90) : 90-05833/4. CSI 22144 001 ISSN 0707-1639 ISBN 0-662-17837-8  
MICROLOG 90-05832 4 fiche

The inventory provides the most current information on shared-cost programs and on projects involving joint federal and provincial administration. This edition includes two new chapters: Forestry Canada, formerly a part of Agriculture Canada, and Industry, Science and Technology Canada, comprising the former Department of Regional Industrial Expansion and the former Ministry of State for Science and Technology. Basic information is given on each program and activity, along with the source within the federal government from which more detailed information can be obtained.  
CA PA

### Feed additives for swine

by S. Jaikaran and A. Pierce. Edmonton : Alberta Agriculture, Pork Industry Branch, 1989. 8 p. (Alberta pork production handbook)  
MICROLOG 90-00205 1 fiche

Feed additives are widely used in the swine industry as a means of reducing production costs and increasing the profitability of producing pork. This factsheet covers their regulation and purpose; the types; the use of additives for weanling pigs, treatment of swine dysentery, growing and finishing and for sows; choice of feed additives; withdrawal periods; and their proper use  
AG AL PR SC

### Feeding of the ringed seal of the European north of the USSR

by Y.I. Nazarenko. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 9 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5166) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-00109 1 fiche

One of the objects of the hunting industry in the north of the USSR is the ringed seal, which in recent years has become a major

source of fur, leather, grease and meat. As the hunt for this seal expanded, it was claimed that the seal ate commercially important fish, thus reducing the fishery. This paper reports on seal stomachs examined in different regions of the White and Barents Seas, directly offshore and at some distance from the shore. In all, 195 seals were dissected and the contents of their stomachs described and identified.  
• CA CF FI LS SC

### Feeding of the ringed seal, *Pusa hispida* Schr.

by G.A. Fedoseev. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 13 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5152) Originally published in Russian, at Magadan, USSR. ISSN 0704-3716  
MICROLOG 90-00093 1 fiche

Feeding of the ringed seal is discussed in the literature only for the Canadian sector of the Arctic, the Barents and Kara seas. For the rest, the Sea of Okhotsk, the Bering Sea, the East Siberian and Laptev seas, information on feeding, as well as other biological data, is either nonexistent or extremely inadequate. This paper discusses feeding of the ringed seal of the Sea of Okhotsk and compares it with the feeding of the other subspecies, providing some explanation of the seasonal distribution of its subspecies and a more complete picture of its ecology. The work is based on original data collected from 1960-63 in the Sea of Okhotsk, as well as some published data.  
• CA CF FI LS SC

### Feeding trials with concentrated fish silage for fox and mink

by A. Skrede. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 11 p. (Canadian translation of fisheries and aquatic sciences ; no. 5348) Originally published in Norwegian. ISSN 0704-3716  
MICROLOG 90-01481 1 fiche

A new method was developed for manufacturing fish silage which consists of preserving the raw material with 1.3%-1.8% formic acid and ethoxyquin as an antioxidant, followed by further processing which includes concentration to about 55% dry matter and adjustment of the fat content to the desired level. The silage is also subjected to a heat treatment which destroys enzymes such as thiaminase. Trials were conducted in 1985 and 1986 with 4 batches of concentrated fish silage. This report discusses results from the first 3 batches, with the 4th trial carried out in the fall. Batches were analysed and tested for digestibility.  
• AG CA CF FI SC

### Female/male income trends Manitoba, 1980-88

Winnipeg : Manitoba Bureau of Statistics, 1990. 55 p. : ill. CSI 42108.215.  
MICROLOG 90-06553 1 fiche

Presents a comparison of male and female income levels as reported on T1 individual income tax returns. It also presents data on earnings and income of males and females, as collected by Statistics Canada's Survey of Consumer Finances.  
MS PR SA

### La Femme dans la ville : sans refuge

par L. MacLeod. Montréal : Conférence européenne et nord-américaine sur la sécurité et la prévention de la criminalité en milieu urbain, 1989. 66, 60 p. Bibliogr. Bilingue (*The City for women...*). Travail pour la Conférence européenne et nord-américaine sur la sécurité et la prévention de la

criminalité en milieu urbain / financé par la Direction générale des politiques ministérielles, Secrétariat d'Etat du Canada.  
MICROLOG 90-00630 2 fiche

Ce document porte sur les sujets suivants: la peur en tant que question d'égalité; une question de société et un enjeu politique; la reconnaissance du problème par la communauté internationale; les objectifs du rapport; la structure du rapport, la portée du rapport; le besoin d'un leadership exercé au niveau municipal; l'étendue et les caractéristiques de la victimisation des femmes; les risques auxquels les femmes sont exposées; les différences entre l'expérience de la victimisation chez les hommes et chez les femmes, les caractéristiques des délits criminels dont les femmes sont victimes; les conséquences de la victimisation pour les femmes, l'analyse du phénomène de la peur chez les femmes; et la réduction de la peur et de la victimisation chez les femmes.  
CA SA

### Ferroresonance tests on T14 tertiary at Claireville TS

by R.W. Cheung. Toronto : Ontario Hydro, Research Division, 1989. 14 p. : ill. Bibliogr. (Report ; no. 89-216-K)  
MICROLOG 90-00422 1 fiche

A ferroresonance condition was experienced at Claireville Transformer Station in June 1985. Methods for suppressing ferroresonance were investigated and validated by computer simulation. A method involving connection of a damping resistor across the spare-secondary windings of existing PTs connected in open-corner delta was recommended. In addition, low-voltage excitation tests were performed on T15 PTs to obtain data for estimating the damping resistor value. Full-scale switching operations were conducted on T14 autotransformer to duplicate the reported condition and to demonstrate effectiveness of the damping-resistor solution. This report presents results of full-scale switching operations and low-voltage excitation tests. It also gives an assessment of the test results and estimates the damping resistor value.  
EN ON PR PS SC

### Fertility, population and the economy : the macro-implications of alternative life cycle choices

by F.T. Denton and B.G. Spencer. Ottawa : Review of Demography and its Implications for Economic and Social Policy, 1988. 92 p. Bibliogr.  
MICROLOG 90-01569 1 fiche

Discusses the concept of family size as a life cycle decision, and in particular the trade-offs with consumption and leisure that are involved. It also discusses briefly the collective implications of microeconomic life cycle decisions for the macrosystem, for the population and macroeconomy. It develops a formal micromodel of household life cycle choice, and a macromodel with the micromodel at its base. It discusses the macromodel in general and in detail. It presents a series of simulation experiments, and concludes with a summary statement of the project and its findings.  
CA SA

### Fertilization and thinning effects on a Douglas-fir ecosystem at Shawnigan Lake : 15 year growth response

by E.R. Gardner. Victoria : Forestry Canada, Pacific and Yukon Region, Pacific Forestry Centre, 1990. ix, 42 p. : ill. Bibliogr. (Information report ; BC-X-319) ISSN 0830-0453 ISBN 0-622-17647-2  
MICROLOG 90-05789 1 fiche

The Shawnigan Lake project was established in 1970 to determine the mechanisms of response to thinning and nitrogen fertilization within a Douglas-fir ecosystem. The study site is



located within the very dry maritime coastal western hemlock biogeoclimatic subzone. Thinning was conducted so as to obtain an even spacing of residual trees together with a maximum number of crop trees while maintaining representation across a range of diameter classes. The fertilizer applied was forest grade urea. This report summarizes the 15-year growth response in the main experiment and includes the recalculation of all merchantable volumes of Douglas-fir; the presentation of merchantable volumes to diameter limits of 12.5 and 17.5 cm; and the inclusion of measurements of the minor tree species present within the unthinned plots.

● BC CA FO SC

### The Fertilization of lakes in Kamchatka

by I.I. Kurenkov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 7 p. (Canadian translation of fisheries and aquatic sciences ; no. 5466) *Originally published in Russian.* ISSN 0704-3716

MICROLOG 90-00606 1 fiche

The fertilization of lakes is one of the methods used in pastoral fishery but it is at the experimental stage only. This paper gives the results of lake fertilization, beginning with Lake Listvennichnoe on the southeastern coast of the Kamchatka Peninsula. Superphosphate and carbamide were spread on June 26, July 3 and July 9, 1980. The quantity of algae was monitored from 1980-86, as well as the size of holopedium. Number of salmon returning to the lake was also monitored, as was their size. The success of this experiment promoted further experimentation with Lake Kuril, a volcanic lake. This lake was fertilized with Ammophos and was monitored for size and number of fish from 1981-87. In addition to the fertilizer added, the eruption of a nearby volcano added ash to the water.

● CA CF FI LS SC

### Fibre optic aircraft fuel gauge

prepared for the Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by J.W. Snow, S.H. Woodside and P.D. Colbourne. Dartmouth, N.S. : Focal Technologies Inc., 1990. xi, 68 p. : ill.

MICROLOG 90-07190 1 fiche

Fibre optics technology is being considered increasingly by airframe manufacturers for such flight critical systems as primary surface and engine control systems, the so-called fly-by-light concept, and for numerous sensor applications. This project demonstrated the feasibility of a fibre optic continuous liquid level sensor for aircraft fuel quantity measurement, leading to a development application. Two sensor configurations were developed and tested, the first using a fluorescent optical fibre and the second using rod waveguides. Both sensor types were optimized through computer models and a common lead insensitivity scheme was also developed for both sensors. An automated, instrumented test tank facility was constructed to evaluate the sensors for key performance criteria against a generic FQM specification developed from inputs received from various airframe manufacturers and from relevant equipment standards.

CA PS SC TR

### Le Fichier d'attente

Conseil consultatif du Régime de pensions du Canada. Ottawa : Santé et bien-être social Canada, 1989. 28, 26 p. *Bilingue (The Suspense file)*

MICROLOG 90-02974 1 fiche

Le Conseil consultatif du Régime de pensions du Canada (RPC) est un organisme statuaire dont les membres sont des citoyens nommés pour représenter les travailleurs salariés, les employeurs, les travailleurs autonomes et le

public. Ce rapport examine la section du Registre des gains du RPC contenant le relevé de toutes les cotisations ouvrant droit aux pensions des cotisants au Régime.

CA CO

### Field criteria for sampling effluents and receiving waters

by R.A. Bollans, R. Crozier and N.R. McQuacker. Victoria : Ministry of Environment, Waste Management Branch, 1989. ii, 17 p. ISBN 0-726-0998-5

MICROLOG 90-03071 1 fiche

Manual dealing with key elements of field sampling such as siting, collection procedures, flow measurement, effluent sampling, receiving water sampling, and groundwater sampling.

BC EV PR SC

### Field crop recommendations, 1989-90

Toronto : Ministry of Agriculture and Food, 1990. 91 p. : ill., maps. 1990 *Supplement* (23 p.) laid in. CSI 55137 010 ISSN 0701-5321

MICROLOG 90-06153 2 fiche

Guidelines for the production and management of such field crops as corn, soybeans, forage crops, cereal crops, field beans and field peas, spring canola and winter rapeseed. The guide gives general information on soil testing and sampling, plant analysis, the use of manure and sewage sludge as fertilizer, acidity and liming, and toxicity of fertilizer materials. General information on pesticide use and application is included, as well as specific pesticides recommended for particular applications in raising the listed crops.

AG ON PR SC

### Field crop variety recommendations for Manitoba, 1990

prepared by Manitoba Agriculture ; in cooperation with agricultural research personnel in industry, University of Manitoba and Agriculture Canada. Winnipeg : The Dept., 1990. 35 p. CSI 41100.016

MICROLOG 90-04934 1 fiche

Annual publication recommending suitable varieties of cereal crops, oilseeds and special crops, corn, and forage crops for particular areas of Manitoba. For each individual crop, information is given on recommended varieties for a particular purpose and comments are included on the advantages or disadvantages of the variety. Tables for yields and physical characteristics are also included for individual crops. Changes to the current edition of the field crop production guide are also included.

AG MS PR SC

### Field determination of ice jam porosity

by T.D. Prowse. Saskatoon, Sask. Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 18 p. : ill. Bibliogr. (NHRI contribution ; no. 88039) *Prepared for the 9th International Symposium on Ice.* ISSN 0838-1992

MICROLOG 90-06477 1 fiche

The complex hydraulic and thermodynamic processes which control the formation, growth, decay and breakup of river ice produce a variety of ice forms and accumulations which vary widely in porosity (ratio of air and water pore volume to total volume). The porosity of ice jams is of particular interest because it is required for the direct accumulations of such data as jam volume, thickness, compressive strength, coefficient of internal friction and ultimately in the prediction of flood levels. Although a theoretical value of 0.4 is often assumed for the porosity of such accumulations no direct field verification of this value has been made. This paper reports on the direct calculation of jam porosity based on heat energy and mass balance computations associated with the thermal shrinkage of a

breakup ice jam on the Liard River.

CA NO NR PS SC

### Field evaluation of TDC/Intera MARINE-VUE upgrades : final report

prepared by Robert Gorman ; for Transportation Development Centre, Policy and Coordination Group, Transport Canada. Ottawa : Canarcic, 1989. xiv, 71 p. : ill. Bibliogr

MICROLOG 90-05804 1 fiche

This report presents the results of a field trial of a prototype ice navigation marine radar display system called MARINE-VUE. The field trial took place onboard the M.V. *Arctic* during the November 1988 commercial voyage to and from the minesite at Nanisivik, NWT in the eastern Canadian Arctic. The MARINE-VUE upgrades tested included the additions of radar video enhancement functions such as gain control and sensitivity time control curves on the system. In addition, the STAR-VUE system was upgraded to allow the operator to mark a ship's position on the SAR display based on the analysis of the MARINE-VUE display.

CA NO PS SC TE TR

### A Field guide for identification and interpretation of ecosystems of the northeast portion of the Prince George Forest Region

by C. DeLong, A. MacKinnon and L. Jang. Victoria : Ministry of Forests and Lands, 1990. v, 108 p. : ill. (Land management handbook ; no. 22) ISSN 0229-1622 ISBN 0-7718-8925-9

MICROLOG 90-04427 2 fiche

Guide describing the lowland and montane ecosystems (below 1200 m in the south and 1050 m in the north) in B.C.'s northeastern corner. The units in the guide are described in the biogeoclimatic ecosystem classification system. The guide includes a description of the biogeoclimatic units included and differentiates them, and then describes the site units within each variant, and their management interpretation.

BC EV LS PR SC

### A Field guide for identification and interpretation of ecosystems of the northwest portion of the Prince George Forest Region

by A. MacKinnon, C. DeLong and D. Meidinger. Victoria : Ministry of Forests and Lands, 1990. v, 116 p. : ill. Bibliogr. (Land management handbook ; no. 21) ISSN 0229-1622 ISBN 0-7718-8924-0

MICROLOG 90-04426 2 fiche

Field guide describing the ecosystems of the northwest portion of the Prince George Forest Region. The area covered by the guide extends from Williston Reservoir and the Rocky Mountain Trench north of it, in the east, to the Prince George/Prince Rupert Forest Region boundary in the west, and from the base of Williston Reservoir in the south to the regional boundary again in the north. The guide describes the biogeoclimatic units included and differentiates them, then describes the site units within each variant and their management interpretation.

BC EV LS PR SC

### Field guide to gold occurrences in New Brunswick

by A.A. Ruitenberg et al. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. vii, 63 p. : ill., maps. Bibliogr. (Field guidebook ; no. 1) *Fold maps not filmed.* ISSN 0847-0405

MICROLOG 90-01583 1 fiche

Several types of gold mineralizations can be distinguished in New Brunswick, including auriferous stratiform volcanogenic deposits and several epigenetic types. These field



excursions examine epigenetic gold deposits and their relationship to the tectonic evolution of New Brunswick.

• AP CA NR PS SC

### A Field guide to muskeg spill response

Prairie Regional Oil Spill Containment and Recovery Advisory Committee. Research and Development Subcommittee. Calgary, Alta. : Canadian Petroleum Association, 1987. iii, 74 p. : ill.  
MICROLOG 90-04398 1 fiche (Available on fiche only)

Manual to determine appropriate strategies for spill containment, recovery and disposal. Spill site assessment is given for wetlands or muskeg types such as bogs, fens, and marshes. Types of documentation are described. Salt water spill containment, recovery and cleanup are also included.

• CA EN EV NO SC

### Field guide to pests of managed forests in British Columbia

by K.E. Finck, P. Humphreys and G.V. Hawkins. Victoria : Forestry Canada, Pacific and Yukon Region, Pacific Forestry Centre ; B.C. Ministry of Forests, 1989. viii, 188 p. : ill. (Joint report ; no. 16) ISSN 0843-4719 ISBN 0-7726-0910-1

MICROLOG 90-05921 3 fiche

Field guide to the identification of injurious insects, diseases and other agents in the forests of B.C. The selection of individual pests and abiotic agents was based on the level of damage, the frequency of encountering it in the field, and the age of the forest predominantly affected. Notes on the biology of a pest were included only if these were considered to be useful for identification purposes. In addition, pest management strategies were not addressed in any detail. Animal damage from porcupines, bears, deer, hares, rabbits, tree squirrels and voles is also described. A glossary is included.

• BC CA FO LS SC

### Field investigation of epoxy-coated reinforcing steel

by P. Hededahl and D.G. Manning. Toronto : Ministry of Transportation, Research and Development Branch, 1989. 28 p. : ill.  
MICROLOG 90-05895 1 fiche

Two cracked concrete barrier walls, built in 1979, which had shallow cover and were exposed to frequent applications of de-icing salts, were investigated. A similar barrier wall, also constructed in 1979 but with uncoated reinforcement, was used for comparison. Tests for chloride profiles, continuity, half cell potential, rate of corrosion and the condition of the steel and of the coating were conducted. This report presents the results of those tests.

ON PR PS SC TR

### Field sampling manual for reactive sulphide tailings

Canect Environmental Control Technologies Ltd. Vancouver, B.C. : Energy, Mines and Resources, Mine Environment Neutral Drainage Program, 1989. v, 154 p. : ill. Bibliogr. CANMET contract: 89036-01-SQ.  
MICROLOG 90-03388 2 fiche

Manual covering sampling methods for tailings impoundments and their surrounding basins. The manual offers guidance and recommendations on the selection of appropriate sampling methodology while recognizing the importance of site-specific conditions and the value of on-site decision making. Emphasis is placed on maximizing sample quality by minimizing both sample disturbance and artificial contamination during sampling. The manual contains indexes to summarize the solid, liquid and pore gas phase methods according to such factors as the type

of required equipment and the degree of isolation from the atmosphere. Methods for the collection of samples are divided into liquid, solid and pore-gas phases, with concise presentations of each method to explain objectives, descriptions, advantages and disadvantages. A summary of quality control recommendations for the collection of high-quality solid, liquid and pore-phase samples is also included.

• CA CM EV NR PS SC

### Field study to determine teacher and student needs regarding curriculum documents and resources : complete report

by H.C. Rhodes and E.A. Torgunrud. Edmonton : Alberta Education, 1989. ix, 249 p. Bibliogr.  
MICROLOG 90-03573 3 fiche

The main purposes of this study are to identify teacher and student needs relative to the implementation of new and revised curricula; to determine the effectiveness of current publications and procedures in providing the support needed; and to identify means for improving them.

AL ED PR

### Field testing shell hardness gauges for the snow crab industry

by T.P. Foyle, G.V. Hurley and D.M. Taylor. St. John's : Dept. of Fisheries and Oceans, Newfoundland Region, Fisheries and Habitat Management, Fisheries Research Branch, 1989. viii, 38 p. : ill. Bibliogr. (Canadian industry report of fisheries and aquatic sciences ; no. 193) ISSN 0706-3694  
MICROLOG 90-02233 1 fiche

Phase II of a broadly based investigation to develop a gauge which could be used to eliminate the problematic 'soft shell' snow crabs from fishermen's catches. In Phase I, a wide range of measuring devices were tested and one gauge type (a durometer modified to measure indentation hardness of Dungeness crab shells) proved promising. This report documents the technical aspects of the modified durometers and analyses the field experiments.

• AP CA CF FI SC

### Fifteen year assessment of thirty year old red spruce stands cleaned at various intensities in Nova Scotia

Truro, N.S. : Dept. of Lands and Forests, 1988. 8 p. : ill. Bibliogr. (Forest research report ; no. 2)  
MICROLOG 90-02222 1 fiche

Cleaning is utilized as a method to allow natural forest stands of dense saplings to reach a merchantable size sooner than if left to grow naturally. In some jurisdictions, variable density growth and yield computer programs were developed to aid in predicting these effects, among them the softwood variable density model for Nova Scotia. However, there is little long-term growth and yield data available to determine the accuracy of these growth model predictions for cleaned red spruce stands. Therefore, 2 red spruce stands cleaned at different intensities in 1968 were remeasured in 1983 and compared with projected values from the Nova Scotia Department of Lands and Forests variable density model for softwoods.

AP FO PR SC

### Fifty-third Federal-Provincial/Territorial Wildlife Conference : transactions

Federal-Provincial/Territorial Wildlife Conference (53d : 1989 : St. John's, Nfld.). St. John's : Environment Canada, Canadian Wildlife Service, 1989. 155 p. ISSN 0069-0007 ISBN 0-662-17318-X  
MICROLOG 90-03922 2 fiche

Report of a conference on wildlife, concentrating on integrated resource management and presenting recommendations for integrating land management for wildlife with other resource uses. The conference also addressed the processes necessary for planning policy and legislation, public involvement, and methods of building wildlife support. Case studies on experience in New Brunswick and Ontario's Algonquin Park are included. Reports on committees on endangered wildlife in Canada, international trade in endangered species, and polar bear administration were given.

CA EV NR SC

### File plan

Metropolitan Toronto (Ont.). Toronto : Metropolitan Toronto, 1988. 86 p.  
MICROLOG 90-03803 1 fiche

Provides guidance that will assist the records keeper in reaching correct decisions, when developing and maintaining a subject/functional file classification structure, suited to the needs of the department, agency, or programme.

MU ON PA

### Filler and extender minerals in Nova Scotia

by P. Luke. Halifax : Dept. of Mines and Energy, 1990. v, 64 p. : maps. Bibliogr. (Economic geology series ; 90-2)  
MICROLOG 90-05906 1 fiche

This report describes findings from research on potential filler consumers in Nova Scotia, New Brunswick, Prince Edward Island, Newfoundland, Maine and eastern Quebec. The major industry user groups, including plastics, paint, paper, rubber and carpet backing manufacturers, were identified. For these groupings, company names, numbers and contacts were supplied from manufacturers guides for all areas except eastern Quebec. The second part of the report is an assessment of deposits, beginning with a review of previous work on several mineral deposits and occurrences in the province, followed by field and sample investigations and lab testing. The focus of the study is on barite, diatomaceous earth, kaoline, muscovite, ground silica and calcium carbonate deposits with some attention being directed towards talc, titanium bearing minerals and wollastonite.

AP NR PR PS SC

### Final evaluation of Operation Employability

by M. Pennock, L. Wilson and F. Carson. Hamilton, Ont. : Social Planning and Research Council of Hamilton and District, 1989. v, 65 p.  
MICROLOG 90-03320 1 fiche (Available on fiche only)

Presents the results of a final evaluation of the 'Operation Employability' project - a work experience program for handicapped students which operates within three Boards of Education in the Regional Municipality of Hamilton-Wentworth.

LA MU ON

### Final guidelines for the preparation of an environmental impact statement for the proposed expansion of the Port of Montreal

S.I. : Environmental Assessment Panel, 1990. ii, 13 p.  
MICROLOG 90-03325 1 fiche

The objective of the guidelines is to define the scope, orientation, and the general format of the environmental impact statement. They also identify the particular issues the proponent will have to deal with in evaluating the possible effects of the project.

EV MU QU



**Final report covering the conduct of a situation study on the Philippine market for hospitals/medical equipment and supplies**

Ottawa : Dept. of External Affairs and International Trade, 1989. v, 104 p. : ill. MICROLOG 90-05447 2 fiche

This final report examines the existing structure of the Philippine Health Care Industry. It provides a market profile including typical composition or product mix, dominant market players, foreign trade statistics for imports and exports, and local production. It also examines typical marketing/distribution systems, and size-of-market estimates. CA CO EX HE

**Final report for field investigation of domestic hot water tanks as space heating appliances**

by R Thrall and W. Mayhew. Ottawa : Canada Mortgage and Housing Corporation, 1989. iii, 71 p. : ill. Bibliogr. MICROLOG 90-03778 1 fiche

As a result of the trend towards energy efficiency housing, the space heating load has been replaced by the domestic hot water load as the major heating load. This project reviewed relevant codes and standards and contacted appropriate authorities to approve domestic hot water tanks as hydronic space heating appliances in residential applications; determined the state and condition of 3 domestic hot water tanks currently being used as combination hot water and space heating appliances in the Northwest Territories; and analyzed the cost effectiveness of using domestic hot water tanks in such an application. Two of the 3 tanks were dissected in the presence of local officials, while the 3d tank was shipped to the manufacturer for a thorough inspection in their laboratory. An assessment of the overall condition of the tanks, including the degree of deterioration/corrosion of the liner, condition of the burner and the quality of the water was carried out. In addition a radiator and plumbing pipe were examined CA EN NO PL SC

**Final report for the 1986 National Housing Survey**

submitted to Jeanne Leong ; prepared by Ekos Research Associates Inc. Ottawa : Canada Mortgage and Housing Corporation, 1987. iv, 228 p. MICROLOG 90-02014 3 fiche

Provides information on the state of repair of the existing low rise housing stock, the nature and extent of low rise residential renovation activity in 1985 and underlying determinants and constraints, and the socio-economic characteristics and building operating costs of publicly-assisted renovators, non-assisted renovators and non-renovators. CA CI CO PL

**Final report for the evaluation of property value impacts : non-profit housing**

Ekos Research Associates Inc. Toronto Housing Advocacy Task Force, 1989. 100, 113 p. : ill. Bibliogr. *Bilingual (Rapport final sur l'évaluation...)*. Summary reports (12, 14 p.) laid in. ISBN 0-7729-5771-1 MICROLOG 90-01862 3 fiche

In light of concerns about the impact of non-profit housing projects on property values, and the province's commitment to develop more affordable housing, a study documenting the true impact of non-profit development on property values, as well as the perception of neighbours regarding the impact of non-profit housing projects on the quality of the neighbourhood was needed. This report compared the selling prices of properties

surrounding non-profit housing projects with the selling price of a matched group of houses not having a non-profit housing project both before and after the introduction of the housing project. The report also addressed the issues of perception of quality of neighbourhood with or without the project and perceived impact of non-profit housing on property values. The final issue addressed was the extent to which non-profit housing projects were accepted, which involved surveying the perceptions of neighbours toward various forms of non-profit housing projects. CI CO ON PL PR SA

**Final report of the 1985 and 1986 field seasons at Head-Smashed-In Buffalo Jump, Alberta**

by J. Brink and B. Dawe. Edmonton : Alberta Culture and Multiculturalism, Historical Resources Division, Archaeological Survey of Alberta, 1989. xxii, 357 p. : ill. Bibliogr. (Manuscript series ; no. 16). CSI 35188 001 MICROLOG 90-06841 4 fiche

This document presents a review of the excavations, and discusses the soils, stratigraphy, and chronology of the 1985/86 excavations. It includes an analysis of the features encountered during excavation of the processing area, and of the fir-broken rock recovered from the processing area excavations. It also contains an interpretation of the faunal remains recovered from both the processing area and the spring channel excavations. It details the lithic artifacts recovered from the 1985/86 excavations, and reports on the ceramic and historical artifacts recovered. Finally it presents a brief discussion of some of the more important ideas and implications arising from the results of the 1985/86 field seasons. AL CU PR

**Final report of the Ontario Elevator Safety Task Force**

Ontario Elevator Safety Task Force. Toronto : The Task Force, 1989. 36 p. *Bilingual (Rapport...sécurité des ascenseurs...)*. ISBN 0-7729-6211-1 MICROLOG 90-02081 1 fiche

The Task Force was established to consider the recommendations of the jury issued on the conclusion of the inquiry into the April 1, 1989 fatality on an elevator at Lees Ave., Ottawa. The report considers each recommendation of the jury separately, presents its conclusions and gives a discussion of them. LA ON PR

**Final report on beverage container legislation for New Brunswick**

Fredericton : Legislative Assembly, Special Committee on Social Policy Development, 1989. iii, 60, iv, 66 p. : ill. *Bilingual (Rapport définitif sur...boissons)*. MICROLOG 90-00796 2 fiche

This document contains recommendations concerning the control of litter, solid waste management, and resource consumption. AP JU PR

**Final report on hazard analysis of Ontario Waste Management industrial waste treatment and disposal facility, phase II : probability analysis of tank farm fire involving vaporization of halogen-organic waste**

by W.H. Goldthwaite et al. Toronto : Ontario Waste Management Corporation, 1987. v, 40 p. : ill. Bibliogr. MICROLOG 90-03020 1 fiche

An accident was hypothesized which involved a leak in a halogen-organic waste tank. This report gives the results of a risk analysis, including modelling assumptions, of such an accident and the probability of unacceptable

concentrations of halogen-organic vapour at the boundary of the facility. An analysis was also made of the vaporization of methylene chloride caused by radiation from a fire of organic sludge waste in the diked area adjacent to the halogen-organic waste tanks. EV ON PR SC

**Final report on the Constitution Amendment, 1987**

New Brunswick Legislative Assembly. Select Committee on the 1987 Constitutional Accord. Fredericton : The Committee, 1989. 126, 140 p. Bibliogr. *Bilingual (Rapport définitif sur la Modification)*. MICROLOG 90-00663 3 fiche

Presents discussions concerning the province and the Meech Lake Accord. AP CI PA PR

**Final report on the determination of APIOS precipitation chemistry from the climatology of regional precipitation episodes**

by D.R. Hudak and T.B. Low. Toronto : Ministry of the Environment, 1987. 126 p. : ill. MICROLOG 90-00216 2 fiche

The complexity of Eulerian long range transport models now being developed in Canada and the US resulted in questions about applying such large computer models to derive seasonal and annual sulphate or nitrate deposition. Since the models require very detailed meteorological input data, the processing and subsequent running of the model requires significant amounts of time on large, fast computers. Several methods were suggested for obtaining long-term deposition results for Eulerian models, including development of a climatology of precipitation episodes for a given geographic region with subsequent derivation of physical-statistical relationships between the precipitation climatology and observed precipitation chemistry. The model would be run for a number of representative episodes during a year and seasonal and annual deposition totals would then be derived by using the climatological data for the year to extrapolate from the limited number of model runs. This report investigates the feasibility of this method for deriving long-term deposition. EV ON PR SC

**Final report on the economic and cultural impact of the Canada-Manitoba Subsidiary Agreement on Manitoba's book and periodical publishing industries : study no. 4**

prepared for the Canada-Manitoba Subsidiary Agreement on Communications and Cultural Enterprises, Evaluation Steering Committee ; by Paul Audley and Associates Ltd. Toronto : The Corporation, 1989. vi, 116 p. MICROLOG 90-06269 2 fiche

One of 4 studies evaluating the 1984 Canada-Manitoba Communications and Cultural Enterprises Subsidiary Agreement. The study considers the book and periodical publishing industries separately. It identifies major industry problems, develops a series of sectoral profiles using the main economic and financial indicators and putting the Manitoba industry into the Canadian and international perspective; assesses the Agreement and its effects and impact on each subsector using mainly the information provided by the beneficiaries; determines if the program will solve the problems identified; assesses the cultural impact of the contributions mainly through the accessibility and diffusion of cultural products; and suggests any changes to the program, if required. • CA CO MS TE



### Final report on the economic and cultural impact of the Canada-Manitoba Subsidiary Agreement on Manitoba's film, video and sound recording industries

prepared for the Canada-Manitoba Subsidiary Agreement on Communications and Cultural Enterprises ; by Paul Audley & Associates Ltd. Toronto : The Corporation, 1989. v, 160 p. MICROLOG 90-06246 2 fiche

This document contains a section which deals with the film and video industry, and a section which deals with the sound recording industry. Each of these sections includes an overview of the industry, which provides background and profile information concerning that industry, and then describes and assesses the impact of the support programs established under the Agreement. Each section then examines the relationship between the Agreement programs and other government support programs for the industry concerned, and proposes possible adjustments to the programs in the context of an assessment of the potential for further growth. Finally, it provides a summary of the recommendations related to film/video and sound recording.

• CA CO CU

### Final report on the review of school integration

New Brunswick. Legislative Assembly. Special Committee on Social Policy Development. Fredericton : The Legislative Assembly, 1990. 78 p. French ed. (*Rapport sur l'examen...*) : 90-04106/2 MICROLOG 90-04107 1 fiche

Contains a history of integration in the province, and examines the work of the Committee, the philosophy of integration, the range of exceptionalities, individual education plans, options for placement of exceptional pupils, human resources, funding, and the quality of education.

AP ED PR

### Final report to CMHC of the multi-point space frame foundation monitoring and analysis

prepared for Project Implementation Division, Canada Mortgage and Housing Corporation ; by Reid Crowther & Partners Ltd. Ottawa : Canada Mortgage and Housing Corporation, Project Implementation Division, 1989. 85 p. : ill. MICROLOG 90-01281 2 fiche

This report deals with the foundation field monitoring and theoretical computer analysis of the multi-point supported space frames erected for residential structures in Hay River and Fort Franklin, N.W.T. It determines the load sharing capability of a multi-point space frame bearing on flexible supports compared to a rigid support system that theoretically would result in overstraining the soil and frame members.

NO PL PR SC

### Final status of legislation of the House of Assembly of the Province of Nova Scotia, 1990

compiled and edited by the Office of the Legislative Counsel. Halifax : The Office, 1990. 43 p. CSI 51001.001. MICROLOG 90-06536 1 fiche

This booklet contains a list of all the Bills that were introduced into the Nova Scotia House of Assembly during the spring 1990 session of the Nova Scotia Legislature. In addition to the title of the Bill, it also gives the name of the member who introduced the Bill.

AP JU PR

### Final status report : program activities to Sept. 30, 1987 under the 1981-86 Core Area Agreement

Winnipeg : Winnipeg Core Area Initiative, 1988 93 p. MICROLOG 90-06263 1 fiche

The initiative is a multi-million dollar, tri-government project designed to improve the economic, social and physical conditions in Winnipeg's core area. This status report is a documentation of activities undertaken under the first agreement. It contains information updated as of September 30, 1987 and is the final report to be produced for the first agreement. CA MS MU PL PR SA SC

### Finance of municipalities : preliminary discussion draft

Edmonton : Alberta Municipal Statutes Review Committee, 1989. iv, 40 p. (Legislation paper ; no. 4) MICROLOG 90-02295 1 fiche

Covers the legislation paper process and presents the recommended municipal policy statement. It also supplies the preliminary draft legislation covering budgets, property taxation, business taxation, local improvement taxation, and borrowing. AL CO JU MU

### Financement des programmes établis : calcul des avances, 1989-90

Ottawa : Ministère des finances, Division des relations fédérales-provinciales, 1989. 15, 15 p. Bilingue (*Established programs financing...*). CSI 21104.002. MICROLOG 90-03362 1 fiche

Document donnant des renseignements sur les points suivants: les droits au titre du F.P.E.; le transfert en impôts au titre du F.P.E. les données de base utilisées dans le calcul des droits au titre du F.P.E.; les résultats intermédiaires relatifs aux calculs du F.P.E.; les facteurs de progression du F.P.E. et les droits par habitant; et, le calcul du total des droits et des paiements de transfert. CA CO ST

### Finances des municipalités locales et des organismes intermunicipaux, 1987

Québec : Gouvernement du Québec, Ministère des affaires municipales, Direction générale de l'administration financière, Service des études et programmes d'administration financière, 1989. 2 v. CSI 66115.006. ISBN 2-550-19585-X MICROLOG 90-03237 16 fiche

Cette publication comprend deux parties: une première qui présente les finances de chaque municipalité locale et une seconde qui présente les données sur des groupes de municipalités locales (selon leur niveau de population) ou sur des groupes d'organismes intermunicipaux. Pour la partie qui traite des municipalités locales prises individuellement, il y a autant de sections qu'il y a de municipalités régionales de comté. A l'intérieur de chaque section, les municipalités membres sont présentées selon l'ordre alphabétique. CO MU PA PR QU

### Financial analysis of salmon farming in coastal British Columbia : a computer-based model approach

by B.D. Egan, H.M. Egan and B.F. Wright. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. viii, 95 p. : ill. (Economic and commercial analysis report ; no. 54) ISSN 0843-5626 ISBN 0-662-17703-7 MICROLOG 90-04883 2 fiche

A computer model of fish farming economics was developed for use as a planning tool to include all factors that affect the cost of production and farm viability. This report

provides a detailed explanation of the factors that determine the cost of production and affect a farm's viability, including a series of program modifications which, in addition to describing several likely salmon farm scenarios, demonstrate how to use the program to simulate still other operating scenarios. A standard farm is used to illustrate how operating decisions (changing program variables) affect farm viability and the cost of production. The standard farm is defined as 50% financed through debt, well financed for capital purchases, having transport costs similar to the Campbell River area, of a moderate size, having only one farm site, having good management, and raising monosex feminized chinook salmon and accelerated coho salmon in the same numbers each year. • BC CA CF FI SC

### Financial and statistical highlights, 1989

Edmonton : Workers' Compensation Board - Alberta, 1990. 15 p. : ill. CSI 35201.003 MICROLOG 90-06338 1 fiche

The mission of the Board is to serve workers and employers by reducing injuries, compensating workers while disabled, and rehabilitating to re-employment or self-sufficiency. These highlights cover the present financial situation, employers' assessments, cost of operations, costs for 1989 operating activities, investments, the accident fund balance, unfunded liability, claim statistics, and administrative expenses. AL LA PR

### Financial assistance by a corporation : section 42, the Business Corporations Act (Alberta)

Edmonton : University of Alberta, Institute of Law Research and Reform, 1989. vii, 275 p. (Report ; no. 54) ISSN 0317-1604 ISBN 0-8886-4155-9 MICROLOG 90-01463 3 fiche

This report makes recommendations against the backdrop of research in two areas: remedies under the Business Corporations Act and under the fraudulent conveyances and preferences legislation. AL CO JU PR

### Financial assistance programs for Nova Scotia municipalities, 1990-91

Halifax : Dept. of Municipal Affairs, 1990. 70 p. MICROLOG 90-05551 1 fiche

Directory lists all financial assistance available to the 66 municipalities of the province. Program information and contact personnel are listed in alphabetical order by government department and agency. AP CO MU PA PR

### A Financial impact analysis : Eastern Passage

Nova Scotia. Dept. of Municipal Affairs, Policy Development and Research Division. Halifax : Municipality of the County of Halifax ; Eastern Passage Ratepayers Association, 1990. 109 p. MICROLOG 90-05237 2 fiche

At the request of the of the Eastern Passage Ratepayers' Association and in cooperation with the Municipality of the County of Halifax, the Dept. of Municipal Affairs agreed to develop a financial impact model. This report is the first time the model was used because 1988 was the most recent year where complete financial data was available. This document includes summaries of revenues and expenditures which are the main functional accounts. Appendices provide further detail to the revenue and expenditure portion of the study. AP CO MU PR



**Financial Institutions Act and Credit Union Incorporation Act regulations : discussion paper**

Victoria : Ministry of Finance and Corporate Relations, 1990. 152 p.  
MICROLOG 90-03078 2 fiche

The purpose of this paper is to provide draft regulations to the Acts for public discussion prior to their finalizations. It is organized into a number of sections, roughly following the structure of the legislation. In order to explain the purpose and intent of the draft regulations, each section includes a description of the background to the regulations and the purpose of the regulations covered in the section.  
BC CO JU PR

**Financial management in unstable conditions : an empirical study of the fisheries**

by B.A. Bertheussen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 5 p. (Canadian translation of fisheries and aquatic sciences ; no. 5265) *Originally published in Norwegian, by the Institute of Fishery Technology Research at Tromsø, Norway.* ISSN 0704-3716  
MICROLOG 90-02735 1 fiche

Financial study of the Norwegian fisheries, covering management, formalization and efficiency, internal and external conditions, and management methods and tools. A research methodology is included. Only the table of contents and the foreword are reproduced.  
• CA CF CO FI SC

**Financial management practices and plight of small- and medium-sized building contractors : final report -- Rev.**

by L. Kryzanowski. Ottawa : Canada Mortgage and Housing Corporation, 1989. 78 p.  
Bibliogr.  
MICROLOG 90-05834 2 fiche

Identifies the financial management practices which have a material impact on the ongoing financial success and viability of small- and medium-sized building contractors (SMBCs). The required primary data was collected by administering a mail questionnaire survey and an in-depth interview guide to two samples of SMBCs from the greater Montreal region.  
CA CO

**Financial report of Ontario universities, 1988-89**

Council of Ontario Universities. Research Division. Toronto : The Council, 1989. 3 v. *Contents: Vol. 1 : Universities -- vol. 2 : Affiliated and federated colleges and universities -- vol. 3 : Physical plant operating expenses.* CSI 99465.009. ISSN 0823-5872 ISBN 0-88799-245-5  
MICROLOG 90-02766 5 fiche

This report provides detailed information on the revenues and expenses and changes in fund balances at all Ontario universities for the fiscal year ending in 1989. It provides consistent categories and definitions for all 43 provincially-assisted universities and colleges in Ontario. Volume 1 provides information on the 21 universities and related institutions which receive grants directly from the government of Ontario. Volume 2 provides financial information on 22 church-related colleges, universities and seminaries which receive financial support from the Ontario government through the university with which they are federated or affiliated. Volume 3 presents information on physical plant operating expenses at 16 universities.  
ED ON PR

**Financial statements 1988-89**

Nova Scotia. Halifax : The Province, 1989. 23 p. CSI 51105.004  
MICROLOG 90-00512 1 fiche

This report includes a statement of financial position; consolidated fund transactions; current revenue and expenditure; capital expenditure; changes in net direct debt; advances and investments; additional advances, investments, and repayments; debentures and sinking funds, and notes to the financial statements.  
AP CO PA PR

**Financial statements for the year ended March 31, 1989**

Public Trustee for Saskatchewan. Regina : The Trustee, 1989. 10 p. CSI 71112.002.  
MICROLOG 90-04710 1 fiche

Report contains financial statements which reflect the year's activities in administering funds held for estates, investment earnings, and cash and securities.  
CO MS PA PR

**Financial statements of boards, commissions, and government agencies of the Province of Manitoba, 1987-88**

Winnipeg : Manitoba Finance, 1988. 793 p. CSI 41111.011.  
MICROLOG 90-02421 9 fiche

This document presents a balance sheet; a statement of liabilities and shareholders' investment; and statements of operation, deficit, and changes in financial position for each organization listed.  
CO MS PA PR

**Financial statements of the enterprises of the Gouvernement du Québec, 1987-88**

Québec (Province). Ministère des finances. Québec : The Ministère, 1989. 604 p. CSI 66120.001E. ISBN 2-550-17832-7  
MICROLOG 90-04308 7 fiche

For each government enterprise listed, this document provides information on the ministry responsible for the enterprise, when its fiscal year ended, and relevant financial data.  
CO PA PR QU

**Financing greater equality and excellence in the Newfoundland school system : report**

Newfoundland. Task Force on Educational Finance. St. John's : The Task Force, 1989. xiii, 261 p. Bibliogr.  
MICROLOG 90-00539 3 fiche

This document discusses the changing context of education, principles and practice in school finance, the growth of financial support for education since 1968, the current financial status of school boards, a framework for the task force review, financing central office administrative costs, instructional costs at the district and school levels, financing instructional resources, financing programs and services for students with special needs, financing operational and maintenance costs of schools, geographical factors, and capital related costs. It includes a summary and recommendations.  
AP ED PR

**Financing international projects : a guide to export opportunities and sources of financing**

Toronto : Ontario International Corporation, 1990. 29 p. ISBN 0-7729-6844-6  
MICROLOG 90-07028 1 fiche

Exporting is a way of life for many Ontario professional service firms, contractors and manufacturers. Foreign work can generate growth revenues and provide a cushion when the domestic economy takes a downturn. In

fact, export experience may determine the long-term success of a business. It teaches the art of remaining competitive. This document contains information on exporting, project sponsors, finding information on financed projects, financing and credit offers, five approaches to financing, and useful contacts.  
EX ON PR

**Findings of the Fraser Valley Access Committee : a report**

by Fraser Valley College...et al. Victoria : Ministry of Advanced Education, Training and Technology, 1990. ii, 72 p. : ill. CSI 37121.202.  
MICROLOG 90-06582 1 fiche

The Fraser Valley Access Committee was convened to make proposals for improved post-secondary educational access in the Fraser Valley. The Committee investigated the combined influence of population growth, demographic change and higher participation rates on regional access demand and identified the special barriers to accessibility presented by a deteriorating transportation infrastructure and insufficient institutional capacity. Fraser Valley College, Kwantlen College, Douglas College and Simon Fraser University each prepared an institutional profile that includes estimates of institutional growth required to serve their respective constituencies adequately. This report presents the Committee's conclusions and recommendations.  
BC ED PR ST

**Findings of the survey of rest and retirement homes**

Toronto : Office for Senior Citizen's Affairs, 1989. 35 p. CSI 56203.200. ISBN 0-7729-4428-8  
MICROLOG 90-02033 1 fiche

Although the rest and retirement home sector is well established in Ontario, neither the industry nor the government has had access to a reliable body of information about it. This study is the first overview of rest and retirement homes in Ontario. It describes the numbers, size, and geographic distribution of rest and retirement homes, the types of care and services available, and the primary client groups served.  
CI ON PR SA ST

**The Fine structure of the house of appendicularian *Oikopleura dioica* Fol. and the tunic of ascidian larvae *Botryllus schlosseri* Pak.**

by G. Kummel. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 12 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5118) *Originally published in German.* ISSN 0704-3716  
MICROLOG 90-00048 1 fiche

Function and development of the house of the appendicularian genus *Oikopleura* are well known, as is the chemical composition of the house. However, the fine structure of the house still requires clarification. This paper discusses that structure.  
• CA CF FI LS SC

**Finite element analysis of residual stresses in 2Cr-Mo repair welds including transformation plasticity**

by A.S. Oddy. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. 16 p. : ill. Bibliogr. (Report ; MTL 89-16(TR))  
MICROLOG 90-03373 1 fiche

Welding is frequently used in the repair of pressure vessels. Accurate prediction of the residual stresses caused by welding is important to the safe operation of a pressure vessel especially when post-weld stress relief is not feasible. This report outlines some of the experience generated in the 3-dimensional finite



element analysis of welds. In particular, the importance of transformation plasticity to the prediction of residual stresses is examined. A method based on the fundamental laws of plasticity and basic material properties is proposed to incorporate transformation plasticity in a finite element program. The transformation plasticity which occurs depends on the stress state present in the material. During any time step, the stress state can change substantially and if the step size is too large the analysis may become unstable. A method which allows larger steps while eliminating the instability and improving the convergence is presented. A 3D analysis of a short longitudinal pipe weld in typical pressure vessel steel is also given.

• CA CM PS SC

#### Fire alarm systems : installation, testing, maintenance -- Rev.

Edmonton : Alberta Labour, General Safety Services Division, 1988. 66 p.  
MICROLOG 90-04895 1 fiche

Manual consolidating the requirements for fire alarm systems of the Alberta Building Code 1985, the Alberta Fire Code and documents referenced in these two codes. A glossary and a list of applicable standards are included. The manual includes the design and installation of fire alarm systems, its verification, the audit of an existing system, and maintenance.

AL PR PS SC

#### Fire damages and losses in the local government District of Armstrong and the Rural Municipality of Woodlands : final report

Winnipeg : Manitoba Disaster Assistance Board, 1988. iii, 34 p. : ill.  
MICROLOG 90-01273 1 fiche

The severe fire which struck the local government district of Armstrong and the rural municipality of Woodlands on April 29, 1988 caused a number of farmers to suffer damages to their fencing and loss of hay bales. In addition, heavy fire-fighting costs were incurred. The Manitoba government announced an assistance program to financially assist those individuals who incurred losses and damages, as well as a reimbursement of fire-fighting costs. This report provides the details of this program as well as the activities and findings of the Manitoba Disaster Assistance Board.

EV MS PR SC

#### Fire losses in British Columbia in 1987

Victoria : Ministry of Municipal Affairs, Recreation and Culture, Office of the Fire Commissioner, 1990. i, 38 p. : ill.  
CSI 38131.002 ISSN 0821-820X  
MICROLOG 90-04439 1 fiche

Lists fire losses by municipal areas, by non-municipal areas, and by month. It identifies the status, age, and sex of casualties. It also provides fire loss statistics for all fires, and presents information on circumstances contributing to fire casualties, fire losses by property groups, arson losses by property groups, and fire losses of \$500,000 or more. Includes a 10 year fire loss comparison for 1978-87.

BC PR PW ST

#### Fire losses in British Columbia in 1989

Victoria : Office of the Fire Commissioner, 1990. 41 p. : ill. CSI 38131.002 ISSN 0821-820X  
MICROLOG 90-07034 1 fiche

Annual summary of fire losses in B.C., beginning with a summary of the data and an overview of losses in municipal and non-municipal areas, by month, and by age, sex and status of casualties. More detailed

information is given for a number of contributing factors, including property groups and those caused by arson. Data is given for both 1989 and the past 10 years.  
BC PR PW ST

#### Fire losses in Canada : annual report 1988

compiled by the Fire Commissioner of Canada.  
Ottawa : Labour Canada, 1990. 43, 43 p. : ill. *Bilingual (Les Pertes causées...)*.  
CSI 22165.002 ISBN 0-662-57212-2  
MICROLOG 90-06609 2 fiche

This document contains a summary of fire and arson data for all of Canada for the year 1988 including detailed analysis of fire losses and fire deaths, and property loss by type of property involved. Includes data on arson and attempted arson, ignition sources of fires, acts or omissions causing fire, and fire losses valued at \$500,000 or more. Also includes a list of provincial and federal government fire marshals and fire commissioners.

CA PW SC ST

#### Fire Marshal's report, 1988

Yellowknife : Safety and Public Services, 1989. 61 p. CSI 75119.001  
MICROLOG 90-02420 1 fiche

Presents a fire loss summary, and information on prevention, training, inspections, investigations, protective clothing and equipment, and property losses. It also contains detailed information on losses, injuries, and deaths.

NO PR PW ST

#### Firing up the technology engine : strategies for community economic development

Ottawa : Science Council of Canada ; Canadian Advanced Technology Association, 1990. 12, 13 p. *Bilingual (Embrayer le moteur...)*. ISBN 0-662-57606-3  
MICROLOG 90-06574 1 fiche

Traditionally, innovation policy has been the prerogative of higher levels of government. However, a broad consensus is emerging in Canada, the U.S., Europe, and parts of the Pacific Rim regarding the importance of building innovation policy instruments into local and subregional economic development strategies. This report describes the initiatives communities should take and the actions which should be taken at the regional and national levels. The recommendations made in this paper draw on extensive consultations undertaken in the framework of the 1989 National Technology Policy Roundtable.

CA CO PS SC

#### Firm response to price uncertainty : tripartite stabilization and the western Canadian cattle industry

by T.M. Horbulyk. Ottawa : Agriculture Canada, Policy Branch, 1990. vi, 67 p. : ill. Bibliogr. (Working paper ; 2/90)  
MICROLOG 90-05917 1 fiche

Examines the optimal response of individual firms in the Western Canadian cattle industry to a participatory stabilization scheme. The type of stabilization scheme analyzed here is a stylized version of the National Tripartite Price Stabilization Program. The theoretical approach employs a static partial equilibrium model of firm behaviour under uncertainty, where competitive risk-neutral firms employ a two-stage production technology. The principal empirical findings are that a marginal increase in the size of a firm's breeding herd will increase the short-run own-price elasticity of supply.

AG CA CO

#### First Joint Meeting of Round Tables on Environment and Economy

British Columbia Round Table on Environment

and Economy...et al. Victoria : The Round Tables, 1990. 169 p. *Bilingual (Première rencontre...)*.  
MICROLOG 90-07217 2 fiche

The national, provincial and territorial round tables arose out of a key recommendation of the National Task Force on Environment and Economy and were set up in 1988 to provide forums for continuing discussion between various sectors and organizations interested in achieving sustainable development. Membership includes premiers, senior cabinet ministers, top executives of major national corporations, leading environmentalists and senior leaders in labour, agriculture, small business and universities. This first joint meeting discussed the development of different round table models and sustainable development strategies and identified areas of mutual interest in furthering the integration of the economy and the environment in each of their jurisdictions. This document summarizes the concepts of round tables and of sustainable development, gives the program of the meeting, then presents the addresses of the speakers in both English and French.

• CA CO EV SC

#### First report of the Select Standing Committee on Forests and Lands : Forest Act, part 12 : (log exports) and the Vancouver Log Market

British Columbia. Legislative Assembly. Select Standing Committee on Forests and Lands. Victoria : The Committee, 1990. 26 p.  
MICROLOG 90-06796 1 fiche

Report on the criteria and procedures for determining the availability of the exemptions pursuant to section 136 of the Forest Act; the conditions, fees and permits imposed pursuant to section 137 of the Forest Act; the prices of timber bought, sold or traded on the Vancouver log market and whether such prices represent or reflect the true market value of species for export or domestic use and the suitability of such prices for determining the relative values of different species for the purpose of calculating stumpage. A list of witnesses and exhibits is included.

BC FO PR SC

#### First report of the Select Standing Committee on Public Accounts

British Columbia. Legislative Assembly. Select Standing Committee on Public Accounts. Victoria : The Committee, 1990. 29 p.  
MICROLOG 90-06797 1 fiche

This document describes the composition of the Committee, the terms of reference and procedure, and the Committee's recommendations. It also presents information on the Canadian Council of Public Accounts Committees, and the status of business. It includes the minutes of the proceedings.

BC CO PA PR

#### The First step : adult literacy, basic education and academic upgrading for Acadians in Nova Scotia

by C. D'Entremont. Halifax : Dept. of Advanced Education and Job Training, 1990. 70, 120 p. : ill. Bibliogr. *Bilingual (Le Premier pas vers...)*.  
MICROLOG 90-06039 2 fiche

By declaring 1990 International Literacy Year, the United Nations has drawn literacy to the public's attention. Literacy is now the subject of active debate at the provincial, national, and international levels. During the last few years, the field of Francophone literacy has progressed dramatically. Francophones throughout Canada are recognizing the cultural, social and linguistic dimension of literacy in a minority context. This document provides an overview of Francophone literacy in Canada and examines French programs in select provinces; examines the Acadian community and



identifies specific concerns, issues and expectations; discusses the current state of literacy and upgrading programming in Acadian communities in Nova Scotia; and presents recommendations on how the linguistic, cultural, and educational needs of the Acadian population might best be met.  
AP ED PR

### First supplement to tabulation of reports prepared by Mining Research Laboratories, 1965-66 inclusive

by D.M. Varette. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1967. i, 14 p. (Report : FMP 67/27-MRL)  
MICROLOG 90-04548 1 fiche

Listing of reports issued by the Mining Research Laboratories, including a number of reports prepared by other groups that cooperated with the lab in some of the investigations and some translations of European reports. The listing is arranged by report number for each year and gives title and author(s).

• CA CM NR PS SC

### First Symposium on the ecological biochemistry of fish : summaries of reports

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 12 p. (Canadian translation of fisheries and aquatic sciences ; no. 5436) *Originally published in Russian, by USSR Academy of Sciences, at Yaroslavl, USSR.* ISSN 0704-3716  
MICROLOG 90-00615 1 fiche

One sentence summaries of 127 reports presented at the symposium.

• CA CF FI LS SC

### Fish discharge residency study, Pickering NGS B postoperational study, 1988

by L.P. King and J.K. Kwik. Toronto : Ontario Hydro, Research Division, 1989. vi, 62 p. : ill. Bibliogr. (Report : no. 89-253-K)  
MICROLOG 90-03994 1 fiche

A fish discharge residency study was conducted from March 15 to June 21, 1988 in the Pickering Nuclear Generating Station (NGS) A discharge, and from March 15-June 28, 1988 in the Pickering NGS B discharge as part of the third year of a 3-year postoperational aquatic program initiated in 1986. The study was undertaken to test the hypotheses that smallmouth bass would increase in the discharge, walleye would decrease, and more gizzard shad would be impinged in the discharge. This study identified fish species residing in the plume during the winter and early spring, assessed the abundance of gizzard shad, walleye and small mouth bass in the discharges, and determined whether walleye and smallmouth bass spawn there.  
EN EV ON PR SC

### Fish farming in Finland

by O.V. Lindqvist. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 7 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5273) *Originally published in Finnish.* ISSN 0704-3716  
MICROLOG 90-02743 1 fiche

Overview of fish farming in Finland, with comparisons to other Scandinavian countries. Methods of water pollution control are also described.

• CA CF FI SC

### Fish farms polluting the Archipelagic Sea

by J. Elkund. Ottawa : National Research

Council, Canada Institute for Scientific and Technical Information, 1986. 9 p. (Canadian translation of fisheries and aquatic sciences ; no. 5269) *Originally published in Swedish.* ISSN 0704-3716  
MICROLOG 90-02739 1 fiche

Fish farming of rainbow trout has become the most important fish species economically in Finland. Marine farming, mainly in the Archipelag Sea, is on the increase, while lake farming is declining. This paper describes the water pollution involved, the loopholes in the laws governing such fish farms, trends in fish farming in the area, and the need for reduction of discharges.

• CA CF EV FI SC

### Fish handling system for blue whiting

by O. Meland. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 14 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5299) *Originally published in Norwegian.* ISSN 0704-3716  
MICROLOG 90-02116 1 fiche

During the 1978 season it became evident that it was possible to pump blue whiting from a ship's hold, but it was also necessary to add water during large portions of the unloading. This paper discusses the experiments in such pumping, describing the strainer, the fish handling system, amount of water to be added, the unloading capacity and costs using the system, and the reduction in labour force.

• CA CF FI SC

### Fish population data from Split and Stephens lakes, 1988

by I. Hagenson. Winnipeg : Manitoba Natural Resources, Fisheries, 1989. viii, 70 p. : ill., maps. Bibliogr. (Manuscript report : no. 89-16)  
MICROLOG 90-00433 1 fiche

The fish populations of Split and Stephens Lakes were sampled in the summer of 1988. This report summarizes the collected data, with special emphasis on the relative abundance of each species and the effects of various mesh sizes on fish species. Growth rates, age compositions, maturity, survival and mortality rates of whitefish, walleye, sauger, and northern pike are also described to provide a data base for future management purposes.  
FI MS PR SC

### Fish population data from Split and Stephens lakes, 1989

by I. Hagenson. Winnipeg : Manitoba Natural Resources, Fisheries, 1990. viii, 70 p. : ill., maps. Bibliogr. (Manuscript report : no. 90-07)  
MICROLOG 90-06264 1 fiche

Data presented in this report were collected in the summer of 1989 as part of the ecological monitoring project, whose purpose was to ascertain and evaluate current impacts and long-term effects on existing and planned hydroelectric developments in northern Manitoba on abiotic and biotic environments in affected lakes and watercourses. This report lists the species caught, their relative abundance, and catches per unit of effort, compares the effects of various mesh sizes on the number and total weight of each species caught; and describes age-composition, length-frequency distributions, maturity, growth and mortality regimes of whitefish, walleye, sauger and northern pike. Since the project was undertaken to provide baseline data only, interpretation and discussion of the results is not included.  
FI LS MS PR SC

### Fish rearing is profitable and risky

by O. Okland. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 8 p. (Canadian translation of fisheries and aquatic sciences ;

no. 5119) *Originally published in Norwegian.* ISSN 0704-3716  
MICROLOG 90-00050 1 fiche

Results of a survey conducted in February 1983, sent to rearing stations in Norway. Reports from 105 stations are included and information is included on profitability, the probable reasons for its variation, the relationship to type of undertaking, and the most profitable regions.

• CA CF FI LS SC

### Fish silage and quality : product labelling and quality standard I and II

by O.A. Pederson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 22 p. (Canadian translation of fisheries and aquatic sciences ; no. 5350) *Originally published in Norwegian.* ISSN 0704-3716  
MICROLOG 90-01483 1 fiche

Examination of the need for product labelling and the possibilities and problems involved in improving and ensuring the quality of fish silage.

• CA CF FI SC

### Fish survey of S.E. Clayoquot Sound streams, Vancouver Island

by T.G. Brown, et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. vi, 71 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2021) ISSN 0706-6473  
MICROLOG 90-02300 1 fiche

There has been considerable speculation as to the relationship between a watershed's logging history and its capacity to produce coho salmon. This survey was conducted in part to gain specific on-site information to support the Clayoquot Sound fish/forestry database. Minnow traps were used to capture juvenile salmonids from 6 locations in each of 23 S.E. Clayoquot Sound streams. At each location, the environmental features were noted, the length and weight of all captured juvenile coho were recorded, and scales were obtained for age determination. Juvenile coho catch/effort, mean length of 1-year-old coho, and percent 2-year-olds were calculated for each stream surveyed. The mean catch at each location was correlated to such environmental features as dominant biogeoclimatic variant, gradient, stream order, stream orientation, stream location, vegetation type, vegetation age, percentage in-stream cover, cover type, and substrate type.  
• BC CA CF FI SC

### A Fisher management strategy for British Columbia

by V. Banci. Victoria : Ministry of Environment and Parks, Wildlife Branch, 1989. x, 117 p. : ill. Bibliogr. (Wildlife bulletin ; no. B-63) *CSI 37105.210.* ISSN 0829-9560 ISBN 0-7718-8913-5  
MICROLOG 90-04124 2 fiche

The fisher belongs to the Mustelidae, the family that also includes wolverines, otters, weasels and martens. Fishers only occur in North America, with B.C. representing the northern limit of their distribution. The animals are susceptible to overtrapping and habitat loss. This report synthesizes available information and outlines an approach for the management of fishers in B.C. The report covers the biology and management of fishers, includes an annotated bibliography, and concludes with a summary statement intended for trappers.  
BC EV PR SC ST

### Fisher *Martes pennanti* and timber management in northern Ontario : a literature review

by G. Racey and B. Hessey. Thunder Bay, Ont. : Ministry of Natural Resources, Northwestern Ontario Forest Technology



Development Unit, 1989. ii, 16 p. Bibliogr. (Technical report ; no. 15)  
MICROLOG 90-01572 1 fiche

Summary of literature on the biology of the fisher and how logging may affect fisher populations in northwestern Ontario. The report covers population and habitat, travel, food habits, hunting activity, refuge or den sites, and home ranges. Abstracts are given for each citation in the bibliography.  
FO ON PR SC

# **A Fisheries inventory of Dogskin, Family, Viking and Vickers lakes, 1978**

by I. Hagenson and J.F. O'Connor. Winnipeg : Manitoba Natural Resources, Fisheries Branch, 1980. vi, 64 p. : ill., fold. ill. Bibliogr. (Manuscript report ; no. 80-32)  
MICROLOG 90-05592 1 fiche

Dogskin, Family, Viking and Vickers lakes are presently accessible only by aircraft or canoe, ensuring light angler pressure. This is likely to change as transportation methods improve. This study determined the sport fish potential of the lakes and provided baseline data to permit recommendations for improving recreational fishing opportunities in the lakes.  
FI MS PR SC

# **Fisheries Joint Management Committee (Canada) : Annual report 1987-88, 1988-89, combined**

S.I. : The Committee, 1989. 24 p. : ill. CSI 22378 001  
MICROLOG 90-02398 1 fiche

The Committee was established in 1986 to provide advice to the Inuvialuit and the Department of Fisheries and Oceans on fisheries management and relevant issues. This report provides a summary of the Committee's activities and projects for 2 fiscal years beginning April 1987 and ending March 1989. Activities include control of fishing on Inuvialuit lands, regulatory amendments, proposals to harvest bowhead whales, beluga management strategy, scientific and test fishery licenses, and the Beaufort Sea fishery strategy. Programs include harvest data collection and beluga hunt monitoring. Research/assessment projects include the harvesting and monitoring of Arctic char and other fish species, as well as beluga tagging and ringed seal assessment. Budgets for both years are included.  
• CA FI NO PA SC

# **Fisheries Loan Board of Newfoundland : Annual report 1988-89**

New John's : The Board, 1989. 26 p. CSI 48119 001  
MICROLOG 90-06054 1 fiche

The mandate of the Board is to provide financing exclusively for those working in the fishing industry to acquire fishing vessels and related equipment to pursue the inshore and midshore fisheries. This report briefly describes some of the highlights for the fiscal year 1988-1989 to convey to the Minister of Fisheries and to the general public the statistical, financial, and general information related to the Board's operations.  
AP CO FI PR SC

# **The Fisheries of Cross, Pipestone and Walker lakes, and effects of hydroelectric development**

by M.N. Gaboury and J.W. Patalas. Winnipeg : Manitoba Natural Resources, Fisheries Branch, Biological Services, 1982. xix, 198 p. : ill., maps. Bibliogr. (Manuscript report ; no. 82-14)  
MICROLOG 90-05898 3 fiche

This report culminates a 2-year study initiated at the request of Manitoba Hydro in 1980 to assess the fish stocks in Cross and Pipestone Lakes, and to determine the impact of the current water level regime on the fisheries resource, since the seasonal pattern of water level fluctuations in these lakes, and in Walker Lake, has been reversed by the operation of the Jenpeg hydro-electric development. The study determined the morphometry of Walker Lake; assessed the fisheries and limnology of the lakes; determined the annual harvest by domestic fishermen; recommended commercial fish quotas for Cross and Pipestone lakes under the current water level regime; and recommended measures to mitigate the impacts of the current water level regime on fisheries.  
EN EV FI MS PR SC

# **Fisheries Prices Support Board Canada : Annual report 1988-89**

Ottawa : The Board, 1989. 24, 24 p. Bilingual CSI 22145 001. ISBN 0-662-56917-2  
MICROLOG 90-00721 1 fiche

Annual report of the Board, covering legislation, highlights of the fishing industry for the year, landings, processing and marketing, exports and imports, the International Food Aid and Development Program, and statistical data. Financial statements are included.  
CA CO FI SC ST

# **Fisheries production statistics of British Columbia, 1987**

Victoria : Ministry of Agriculture and Fisheries, Aquaculture and Commercial Fisheries Branch, Commercial Fisheries Section, 1988. v, 56 p. CSI 38140 002. ISSN 0715-0768  
MICROLOG 90-00333 1 fiche

Summary of fish production statistics reported in the 1987 census of fish processing plants licensed in B.C. The majority of the data relates to fish landings and production, but there is also a section on licensing within the fishing and fish processing sectors, and a table documenting the regional distribution of employment in the fish processing sector by month in 1987. Landings are given by species (salmon, herring, halibut, groundfish, shellfish) and aquaculture production is divided into oysters, salmon, and freshwater trout.  
BC FI PR SC ST

# **Fisheries production statistics of British Columbia, 1988**

Victoria : Ministry of Agriculture and Fisheries, Aquaculture and Commercial Fisheries Branch, Commercial Fisheries Section, 1989. iv, 63 p. CSI 38140 002. ISSN 0715-0768  
MICROLOG 90-04839 1 fiche

Annual report giving a summary of fish production data reported in the 1988 census of fish processing plants licensed in the province. Information is given on fish landings and production, licensing within the fishing and fish processing sectors, the quantity and value of aquaculture production, and a historic overview of aquaculture production. Data on fish landings is provided by the federal Dept. of Fisheries and Oceans. Catch data includes direct vessel exports, and estimates of year-end bonus payments to fishermen. A summary is given by species (salmon, herring, halibut, groundfish, shellfish) and aquaculture production.  
BC FI PR SC

# **Fisheries raw material : comparison of the keeping quality of capelin containing and not containing food**

by J. Gudmunsson and H. Gunnlaugsson. Ottawa : National Research Council, Canada

Institute for Scientific and Technical Information, 1988. 6 p. (Canadian translation of fisheries and aquatic sciences ; no. 5378) Originally published in Icelandic. ISSN 0704-3716  
MICROLOG 90-01517 1 fiche

Some difficulties were encountered in freezing of capelin during the latest capelin fishing season because considerable quantities of capelin full of feed were fished. Capelin full of feed were fished for a few days during the fishing season only. Two samples of fresh capelin were taken on February 14 in Grindavik and their keeping quality was studied. Portions of the samples were also frozen, thawed later, and observed for keeping quality. This report presents the results of that study.  
• CA CF FI SC

# **Fisheries resources and fisheries potential of Williston Reservoir and its tributary streams, vol. II : fisheries resources potential of Williston Lake tributaries : a preliminary overview**

by P.G. Bruce and P.J. Starr. Victoria : Ministry of Environment, 1985. v, 150 p. : ill., maps. Bibliogr. (Fisheries technical circular ; no. 69) ISSN 0229-1150 ISBN 0-7726-0441-X  
MICROLOG 90-06966 2 fiche

In 1975, a study of the Williston Lake fisheries resource was initiated as one component of the Williston Potentials Study. An important part of the fisheries study was to survey streams in the reservoir watershed, to locate and describe important spawning areas in tributaries and evaluate reproductive and rearing capacity for stream resident and reservoir fish, and to determine fish species and diversity. Williston Lake is located 240 km north of Prince George and was formed by construction of the W.A.C. Bennett Dam on the Peace River. The physical habitat was described and samples were taken of fish and water for chemical analysis. Assessments were made of the streams of the Parsnip Reach Basin, the Finlay Reach Basin and the Peace Reach Basin.  
BC FI PR SC

# **Fishery conservation in river reservoirs : final report from FAK : the imposition of fishery conservation measures in power plant reservoirs, part 1**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 7 p. (Canadian translation of fisheries and aquatic sciences ; no. 5270) Originally published in Swedish. ISSN 0704-3716  
MICROLOG 90-02740 1 fiche

A large number of the rivers and lakes in Sweden are used for hydroelectrical generation, seriously affecting the fishing. A cooperative project was conducted from 1976-82 by the government and the electric power industry for research on the imposition of fishery conservation in power plant reservoirs. The project investigated the conditions for fish production, attempted the planting of salmon trout and other fish species, performed experiments with measures for biotope improvement in river reservoirs and constructed fishing equipment for use in these areas. This paper describes this project and the findings. Only the table of contents and the summary are reproduced.  
• CA CF FI SC

# **Fishing Equipment Losses Program in Easterville, 1989 : final report**

Winnipeg : Manitoba Disaster Assistance Board, 1989. iii, 17 p.  
MICROLOG 90-05072 1 fiche



The severe storm which struck Easterville on June 11 and 12, 1989 caused severe hardship to the commercial fishermen. The government announced a fishing equipment losses program to financially assist those commercial fishermen that incurred losses. This report gives details of that program, as well as the activities and findings of the Manitoba Disaster Board.  
FI MS PR SC

### Fishing grounds for a possible deep-sea fishery west of the British Isles

by S. Ehrich. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 13 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5183) *Originally published in German, by Bundesforschungsanstalt für Fischerei, at Hamburg.* ISSN 0704-3716  
MICROLOG 90-00067 1 fiche

From 1974-1984, fishery research vessels conducted 8 trips to investigate the fish stocks on the continental slope of western Europe and its outlying banks. The program was undertaken to find alternatives for the German deep-sea fishery fleet in the face of a foreseeable decline in fishing opportunities. This paper uses the results from the 8 trips made to provide information on the commercially important species expected at the various fishing grounds over the year and to demonstrate the importance of the various fishing areas commercially. Fishing grounds were evaluated using the maximum catches for the various seasons of the year.  
● CA CF FI SC

### The Fishing sector in Esbjerg, part I : description of status of the fishing sector in Esbjerg

by E. Roth. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 8 p. (Canadian translation of fisheries and aquatic sciences ; no. 5278) *Originally published in Danish.* ISSN 0704-3716  
MICROLOG 90-02748 1 fiche

Report on the development of the fishing industry in Esbjerg, Denmark. The report begins with a description of the fishery, the cutter fleet, catches landed and landing patterns, pricing, seasonal fluctuations, sales of fish, the fishermen's organization, and increases in the value of the fisheries overall and that of Esbjerg. Production of fish and fish products includes the value of the fish meal industry. Unemployment is given special consideration, both in the fishing industry, in processing plants, and in other sectors involved with the fishing industry. Only the table of contents and the introduction are reproduced.  
● CA CF FI SC

### The Fishing sector in Esbjerg, part II : analysis of the limitations on development in the Esbjerg fishing sector

by E. Roth. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5279) *Originally published in Danish.* ISSN 0704-3716  
MICROLOG 90-02749 1 fiche

Report on the technical, biological, economic and political limitations on the development of the fishing industry and related sectors in Esbjerg, Denmark. Only the table of contents is reproduced.  
● CA CF FI SC

### Fishing vessels : summaries of reports of investigations into marine casualties and accidents aboard ships, 9

Canada. Marine Casualty Investigations.

Ottawa : The Investigations, 1989. 55 p. : ill., maps. (Issue ; no. 9) *French ed. (Bateaux de pêche : résumés. 9) : 90-02173/1*  
MICROLOG 90-02172 1 fiche

Summary of the reports of investigation into marine casualties and/or marine accidents involving fishing vessels. Reports are listed by ship's name and include detailed maps and relevant photos, along with a summary of the incident and the findings.  
CA FI SC TR

### Fishing vessels : summaries of reports of investigations into marine casualties and accidents aboard ships, 10

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 68 p. : ill., maps. (Issue ; no. 10) *French ed. (Bateaux de pêche...10) : 90-04824/1*  
MICROLOG 90-04885 1 fiche

Summary of the reports of investigations into marine casualties and/or marine accidents involving fishing vessels which were investigated. A glossary is included.  
CA FI SC TR

### Fishing vessels : summaries of reports of investigations into marine casualties and accidents aboard ships, 11

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 46 p. : ill., maps. (Issue ; no. 11) *French ed. (Bateaux de pêche...11) : 90-07233/1*  
MICROLOG 90-07234 1 fiche

Summary of reports of investigations into marine casualties and/or marine accidents involving fishing vessels which were investigated. A glossary is also included. For each report, a summary of the incident and of the findings is included, along with a detailed map of the relevant area.  
CA FI SC TR

### Fishing vessels of the future : experiences and trends

by K. Neilson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 1 p. (Canadian translation of fisheries and aquatic sciences ; no. 5228) *Originally published in Danish.* ISSN 0704-3716  
MICROLOG 90-02681 1 fiche

Report on future trends in hulls, propulsion systems, lay-out, navigation and safety, and environment for Danish fishing vessels. The report is part of a preliminary project examining the existing fleet structure and vessel lay-out within the Danish fisheries, and outlining, on the basis of the material collected, those trends in boat-building that will characterize both Danish and foreign fisheries in the future. Only the table of contents and introduction are included.  
● CA CF FI SC

### Five year corporate plan, 1990-91 to 1994-95

Canada. Public Works Canada. Ottawa : The Dept., 1990. 18, 18 p. *Bilingual (Plan quinquennal...).* CSI 21118 002.  
MICROLOG 90-05302 1 fiche

Public Works Canada is responsible for the provision of real property services to the Government. These services include the acquisition and management of general purpose office space, and the provision of architectural, engineering, and realty services. This Plan is established as a guide for the development of the Department for the next five years. It sets out a strategic vision of the future and the operational priorities which the Department will stress in realizing that future.  
CA PW

### Five year forest and range resource program, 1990-95

British Columbia. Ministry of Forests. Victoria : The Ministry, 1990. 21 p. *CSI 37107.002.* ISSN 0229-1886  
MICROLOG 90-045394 1 fiche

Report on the programs of the Ministry of Forests, outlining the government's intentions for the management of the province's forest and range resources for five years beginning April 1, 1990. The major program themes for this period which are discussed are public understanding and trust, forest renewal, resource stewardship, economic development and jobs, and revenue management. An overview of the ministry's programs is then provided including the role of the private sector in implementing these programs.  
BC FO PR SC ST

### Five year report to the legislature on fisheries, 1989

Winnipeg : Manitoba Natural Resources, 1989. x, 38 p. : ill. *CSI 41119.011.*  
MICROLOG 90-04935 1 fiche

Review of the status and management of Manitoba's fish resources over the past 5 years (1984/5-1988/9) with emphasis given to fishery enhancement, spawning habitat, assessment and monitoring programs, fish stocking, conservation licenses, resource user participation, regulations for conservation, rehabilitation of the declining Lake Winnipegosis walleye fishery and the Dauphin Lake fishery, a transferable individual quota system, and new policy and procedural directives to clarify the fishing rights of Treaty Indians.  
FI MS PR SC ST

### Five year research plan, 1990-94

Memorial University of Newfoundland. Centre for Cold Ocean Resources Engineering. St. John's : The Centre, 1990. 18 p.  
MICROLOG 90-04218 1 fiche (Available on fiche only)

The Centre is involved in solving engineering problems related to resource development in cold oceans; undertaking research in ice engineering, remote sensing, and seabed geotechnics; developing collaborative programs with industry, government and universities; and educating and training engineers and scientists. C-CORE works within the framework of a 5-year research plan, with the current plan covering 1990-94. This report describes the research plan for each area of activity and identifies new initiatives or a change in emphasis resulting from the May 1989 review.  
● CA EN NO PS SC

### The Fix is out : a defense of the floating Canadian dollar

by D.E.W. Laidler and W.B.P. Robson. Toronto : C.D. Howe Institute, 1990. 16 p. (Commentary ; no. 18) ISSN 0824-8001  
ISBN 0-88806-261-3  
MICROLOG 90-05907 1 fiche

The recent strength of the Canadian dollar has prompted proposals that Canada should adopt a fixed exchange rate against the U.S. dollar. Some proponents of this idea argue that a fixed exchange rate would help to insulate the Canadian economy from shocks arising in specific sectors. Others maintain that it would alleviate, or even make unnecessary, the pain of the Bank of Canada's current tight monetary policy. There are, however, reasons for scepticism about the capacity of a fixed exchange rate to deliver the benefits claimed for it. This document sets out these reasons. First, it discusses what fixing the exchange rate would mean in practice. It then reviews the manner in which the Canadian economy might respond to various economic forces under fixed and floating exchange-rate regimes.  
● CA CO



**Fixed coefficients : are they accurate predictors of occupational employment**

Canada. Employment and Immigration Canada (Dept.). Labour Market Outlook and Structural Analysis Directorate. Ottawa : The Directorate, 1987. iii, 32 p. Bibliogr. French ed. (*Les Coefficients fixes...*) on the same fiche.  
MICROLOG 90-00774 1 fiche

This paper assesses the accuracy of the fixed coefficient approach by comparing actual occupational employment in 1981 to estimated occupational employment for the same year under the fixed coefficient approach.  
CA LA

**A Fixed point calibration curve generator for gas analysis**

by D.J. Kennedy. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1989. v, 14 p. : ill. (Report : CRL 89-58(TR))  
MICROLOG 90-01323 1 fiche

Description of a gas mixing device developed at the Cape Breton Coal Research Laboratory. The instrument is capable of quickly and accurately preparing a series of 32 standard mixtures by dynamically blending primary gas standards with zero air. Sample injection techniques for gas chromatography are also discussed.

• AP CA CM NR PS SC

**Flexible pavement condition rating : guidelines for municipalities**

by G.J. Chong, W.A. Phang and G.A. Wrong. Toronto : Ministry of Transportation, Research and Development Branch, 1989. iii, 95 p. : ill. Bibliogr.  
MICROLOG 90-01349 2 fiche

Most highway authorities use highway pavement surface condition ratings to judge the pavement's ability to continue providing required service to the public. Municipalities have the same duty to monitor and maintain the roads in their respective communities. Riding quality and distress manifestations are the bases of the pavement condition rating scheme used in Ontario by the Ministry of Transportation. However, a scheme is required that specifically addresses the unique conditions and needs of municipal roads. This document was prepared to meet this pavement management need and to present a pavement surface condition rating scheme for municipal roads and streets, also using riding quality and distress manifestations as its bases.  
ON PR PS SC TR

**Flexible systems for the design of heuristic algorithms in complex or domains**

by J.-Y. Potvin and S.F. Smith. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 13 p. Bibliogr. (Publication : no. 668)  
MICROLOG 90-01606 1 fiche

This paper advocates a 'design through experimentation' methodology based on the use of flexible interactive tools to facilitate the process of relating characteristics of the problem at hand to the appropriateness of various alternatives. With such tools, it becomes possible to quickly configure different heuristic strategies and examine their performance in different problem solving contexts. The expertise gained in this experimentation can then be encoded to produce systems capable of automatically constructing resolution strategies well suited to the problems to be solved. This paper presents the system OPIS, a job-shop scheduling system, and ALTO, a system for the design of vehicle routing algorithms.  
PR PS QU SC TR

**Floating intakes for dugouts and ponds**

Winnipeg : Manitoba Water Services Board, 1990. 4 p. : ill.  
MICROLOG 90-07172 1 fiche

Description of the construction, installation, operation, and maintenance of floating intakes for dugouts and ponds.  
AG MS PR SC

**Flood Assistance Program in the Town of Gimli : final report**

Winnipeg : Manitoba Disaster Assistance Board, 1989. iii, 32 p.  
MICROLOG 90-07016 1 fiche

The heavy rain which struck the Town of Gimli on June 12, 1989 caused severe hardship to those Manitobans. The Manitoba Government announce the Flood Assistance Program to assist financially the individuals in the Town that incurred damages to their homes. This document outlines the details of this program as well as the activities and findings of the Manitoba Disaster Assistance Board.  
MS NR PR SC

**Flood of September, 1986 in the watersheds of Lodge, Battle and Lyons Creeks, southwest Saskatchewan**

prepared by Les Adrian ; approved by Brian Yee. Regina : Environment Canada, Water Resources Branch, Saskatchewan District, 1990. ix, 130 p. : ill., maps. Bibliogr.  
MICROLOG 90-03111 2 fiche

In September 1986 a strong storm system developed over Montana, generating high winds and heavy rainfall. The storm entered Saskatchewan and deposited unusually high amounts of rain over 48 hours, leading to considerable flooding and occasional road washout. This report analyses data from 16 hydrometric stations in the immediate area, including hydrographs showing peak flows for the period of record and for the flood event. Frequency analysis was conducted on those stations for which streamflow regulation is negligible.  
CA EV MS NR SC

**The Flooding hydrology of Mackenzie Delta lakes near Inuvik, N.W.T., Canada**

by P. Marsh and M. Hey. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 9 p. Bibliogr. (NHRI contribution : no. 88008) In *Journal of the Arctic Institute of North America*: vol. 42, no. 1, 1989. ISSN 0838-1992  
MICROLOG 90-02433 1 fiche

An important feature of the Mackenzie Delta is the large number of freshwater lakes, which cover up to 50% of the deltaic plain. This paper analyzes the flooding regime of a large number of lakes in the east-central portion of the Mackenzie Delta and quantifies a simple lake classification system used in previous studies. The study was carried out in an area extending approximately 10 km southwest of Inuvik. The area was chosen because East Channel at Inuvik is the only gauging station within the delta with more than 10 years of records and in addition, East Channel is a major distributary channel of the Mackenzie River, controlling the water levels both within the study area and in a larger portion of the eastern section of the delta.  
CA EV NO SC

**Flora of the north shore of Lake Superior : vascular plants of the Ontario portion of the Lake Superior drainage basin**

Ottawa : National Museums of Canada, National

Museum of Natural Sciences, 1989. 61 p. Bibliogr. (Syllogeus ; no. 63) ISSN 0704-576X  
MICROLOG 90-02206 1 fiche

This study is based on botanical explorations carried out in the Ontario portion of the Lake Superior drainage basin. Collections of vascular plants were examined from a 5-year survey as well as from more recent botanical explorations in the area. Twelve hundred and eleven species of vascular plants (994 native and 217 introduced) are listed with tabular distribution indicated for 9 subdivisions of the north shore of Lake Superior. There are brief discussions, with examples, of different types of geographical distribution presented by some of the species in the flora. A separate list of the rare species is provided.  
CA EV LS ON SC

**Flow fingers and ice columns in a cold snow cover**

by P. Marsh. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 7 p. Bibliogr. (NHRI contribution : no. 88022) Paper presented at the Western Snow Conference. ISSN 0838-1992  
MICROLOG 90-02458 1 fiche

Melt water does not move uniformly into a snow cover, but instead a large proportion of the water follows distinct flow paths, commonly referred to as flow fingers. This paper reports on field observations of flow-finger and ice column growth in a low density Arctic snow cover and compares measurements of their size, spacing and aerial coverage to those from a denser snow cover in the high Arctic. The implications of these features to water movement in snow covers are then discussed.  
CA EV NO SC

**Flumequine distribution and tissue kinetics in rainbow trout *Salmo gairdneri* Richardson : detection of residues**

by R. Chevalier, J.P. Gerard and C. Michel. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 11 p. (Canadian translation of fisheries and aquatic sciences ; no. 5116) Originally published in French. ISSN 0704-3716  
MICROLOG 90-00046 1 fiche

An earlier study demonstrated the value of flumequine in treating furunculosis in salmonids and the absence of any signs of acute toxicity in the subjects treated. Toxicity is an important factor in assessing potential risks for the consumer as a result of residues that may be present in the fish. The purpose of this study was to detect flumequine residues in rainbow trout 6, 12, 24, 48, 72, and 96 hours after cessation of a 5-day treatment with 6 or 12 mg/kg/day.  
• CA CF FI LS SC

**Fluoridation of water supply reservoirs in the Northwest Territories**

by M.L. Murray and G.W. Heinke. Yellowknife : Dept. of Municipal and Community Affairs, Community Works and Capital Planning Division, 1988. vi, 62 p. : ill. Bibliogr.  
MICROLOG 90-02649 1 fiche

The poor state of dental health and the high incidence of tooth decay in the Northwest Territories, particularly among native people, is a cause for considerable concern. This study examined, in detail, water fluoridation in those communities with water storage reservoirs which are filled once a year. The report describes the necessary equipment and gives conceptual designs for batch fluoridation systems. The report also describes the first implementation of batch fluoridation in Tuktoyaktuk.  
HE NO NR PR SC



**Flyways and reserve networks for water birds**

edited by H. Boyd and J.-Y. Pirot. Ottawa : Environment Canada, Canadian Wildlife Service, 1989. 109 p. : ill., maps. Bibliogr. (IWRB special publication ; no. 9) *Developed from papers presented at the Third Meeting of the Conference of Contracting Parties to the Ramsar Convention.* ISSN 0260-3799 ISBN 0-662-17104-7 MICROLOG 90-06295 2 fiche

Collection of reviews of the status of waterfowl, shorebirds and other water birds in different parts of the world presented in papers given at a workshop on flyways and reserve networks held in Regina, Saskatchewan in May 1987. Summary reports of the other 3 workshops are given, as well as recommendations of the conference.

• CA EV LS SC

**Foam-X sorbent evaluation**

Wotherspoon & Associates ; prepared for Prairie Regional Oil Spill Containment and Recovery Advisory Committee, Research and Development Subcommittee, and the Alberta Research Council. Calgary, Alta. : Canadian Petroleum Association, 1989. ii, 25 p. : ill. Bibliogr. MICROLOG 90-04404 1 fiche (Available on fiche only)

Laboratory tests were conducted in December 1988 on Foam-X, a shredded polyurethane foam sorbent. The tests were a preliminary evaluation of the sorbent's potential to absorb and retain oil, and to reduce a hydrocarbon's flammability. Tests used included the Canadian Standards absorbency test, water column visual analysis, surface oil retention visual analysis and gas chromatograph vapour analysis.

• CA EN EV SC

**Fondation d'éducation des provinces maritimes : Rapport pour la période allant de 1985 à 1988**

S.L. : la Fondation, 1989. 18, 17 p. : ill. Bibliogr. *Bilingue (Report for the period...)*. CSI 32117.001. MICROLOG 90-01395 1 fiche

La Fondation est composée des ministres de l'Éducation du Nouveau-Brunswick, de la Nouvelle-Écosse et de l'Île-du-Prince-Édouard. Ils se rencontrent annuellement pour discuter des priorités de la FEPM, pour approuver son budget et son plan de travail et pour étudier les nouvelles idées mises de l'avant pour encourager la collaboration entre leurs ministères. Ce document porte sur les manuels d'études sur les Maritimes; les outils pédagogiques supplémentaires concernant les études sur les Maritimes; les outils pédagogiques de langue française; la liste des publications; et, les états financiers triennaux. AP ED PA PR

**Fondation de la faune du Québec : Rapport annuel 1988-89**

Québec : la Fondation, 1989. 23 p. : ill. CSI 66126.002. MICROLOG 90-03906 1 fiche

Ce document présente le rapport des activités de la Fondation de la faune du Québec pour l'exercice financier se terminant le 31 mars 1989. Il donne la présentation de la fondation, du Conseil d'administration et du personnel puis fournit le sommaire des activités, l'aperçu des priorités pour l'année 1989-1990 et les états financiers. EV PR QU SC

**Fondation de la recherche sur la toxicomanie (Ont.) : Rapport annuel 1988-89**

Toronto : la Fondation, 1989. 32 p. *L'éd. anglaise sur la même fiche.* CSI 56100.001. MICROLOG 90-04139 1 fiche

Quarante ans se sont écoulés depuis le jour où le gouvernement de l'Ontario envisagea la création d'un centre de traitement des alcooliques. Au cours de cette période, la Fondation de la recherche sur la toxicomanie et ses activités ont changé à divers égards. Ce document présente le rapport annuel de la Fondation de la recherche sur la toxicomanie pour l'année 1988-1989. ON PR SA

**Les Fondements du fédéralisme canadien**

par W. Koerner. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. 34 p. Bibliogr. (Etude générale ; BP-187F) *L'éd. anglaise (The Foundations of Canadian...)* sur la même fiche. ISBN 0-660-92692-X MICROLOG 90-01911 1 fiche

Le Canada a connu récemment de grands bouleversements d'ordre constitutionnel et pourrait en connaître de nouveaux, dans la foulée de l'accord du lac Meech. Toutefois, si nous voulons saisir pleinement la situation actuelle de notre union, nous devons d'abord nous pénétrer des intentions qui ont animé ses fondateurs. En effet, c'est souvent en période de crise et d'évolution rapide que nous voulons revenir sur les intentions originales, car celles-ci déterminent dans une large mesure le cours de la vie politique. Ce document se penche sur l'objet de la Confédération et fait la lumière sur les facteurs à son origine. CA PA

**Fonds Alberta-Canada de recherche sur les ressources énergétiques : Rapport annuel 1988-89**

Edmonton : Alberta Energy, Scientific and Engineering Services ; Ottawa : Énergie, mines et ressources Canada, 1989. 20, 20 p. : ill. *Bilingue (Alberta-Canada Energy Resources...)*. CSI 34107.005. ISSN 0828-0711 ISBN 0-86499-639-X MICROLOG 90-05503 1 fiche

Le Fonds a pour objectif de favoriser et soutenir l'exploitation et l'utilisation à bon escient des ressources énergétiques albertaines actuelles et potentielles et d'encourager en Alberta l'avancement d'une expertise scientifique et technique en matière de recherche, de développement et de démonstration énergétiques. Ce rapport annuel contient les points saillants du programme, la description de quelques projets réussis, et les états financiers. AL CA EN PR SC ST

**Fonds d'indemnisation du courtage immobilier (Québec) : Rapport annuel 1988-89**

Québec : le Fonds, 1989. 26 p. CSI 67123.001. ISSN 0847-4303 ISBN 2-550-20300-3 MICROLOG 90-04379 1 fiche

Ce rapport relate principalement des activités reliées à l'organisation administrative du Fonds. Il rend compte de l'ensemble des activités du Fonds d'indemnisation du courtage immobilier pour l'exercice financier terminé le 31 mars 1989. PL PR QU SC

**Fonds de développement technologique : des projets mobilisateurs**

Québec (Province). Secrétariat du Fonds de développement technologique. Québec : le Secrétariat, 1989. 15 p. ISBN 2-550-19833-6 MICROLOG 90-03634 1 fiche

Les projets mobilisateurs regroupent des entreprises et les milieux de la recherche dans les domaines forts ou porteurs d'avenir de l'économie québécoise. Ils ont une durée de deux à cinq ans. Enfin, ils sont initiés par

des partenaires industriels qui en assument la gérance et en fixent les grands objectifs. Ces projets portent sur l'adoption, l'adaptation et la mise au point de procédés ou de produits nouveaux commercialisables sur les marchés et visent à accroître la capacité concurrentielle de l'économie québécoise. Ce document fait la lumière sur ces projets. PR PS QU SC

**Fonds de la recherche en santé du Québec : Rapport annuel 1988-89**

Québec : le Fonds, 1989. 192 p. : ill. CSI 67196.001. MICROLOG 90-04029 2 fiche

Ce document présente le rapport annuel des principales activités pour l'exercice financier 1988-1989 du Fonds de la recherche en santé du Québec (FRSQ). Il donne des renseignements sur les membres du Conseil d'administration du FRSQ, l'orientation et l'évaluation des programmes; le bilan des activités par quelques statistiques; les publications du FRSQ, le budget d'opération; l'identification des membres des comités de pairs et des comités conseils; les états financiers de l'exercice terminé le 31 mars 1989; le sommaire des bourses et subventions pour l'exercice financier 1988-1989; et l'identification des boursiers et des chercheurs subventionnés par le FRSQ au cours de l'exercice financier 1988-1989. HE LS PR QU SC

**Fonds de renseignements : l'approche d'Environnement Canada**

Ottawa : Environnement Canada, 1989. iv, 44, iv, 44 p. : ill. Bibliogr. *Bilingue (Information holdings...)*. MICROLOG 90-02389 2 fiche

Ce document porte sur l'approche d'Environnement Canada en ce qui a trait aux fonds de renseignements. On y examine particulièrement la genèse et les définitions, les différents fonds de renseignements, la stratégie de mise en oeuvre et les résultats, le plan d'action stratégique, et les documents de stratégie. CA EV SC

**Fonds pour l'étude de l'environnement (Canada) : Rapport annuel 1989**

Ottawa : le Fonds, 1990. 20, 15 p. Bibliogr. *Bilingue.* CSI 22119.003. MICROLOG 90-03338 1 fiche

Ce document présente le rapport annuel 1989 du fonds pour l'étude de l'environnement. Il renseigne sur les activités en 1989; la structure et le fonctionnement des fonds, le programme d'études de 1989; le forum sur les orientations futures de la recherche sur les déversements d'hydrocarbures, la publication des rapports de recherche, la liste des rapports techniques de FEE; et, la composition du conseil d'administration.

• CA EV SC

**Food of the common seal and grey seal in Icelandic waters**

by E. Hauksson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 57 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5257) *Originally published in Icelandic.* ISSN 0704-3716 MICROLOG 90-02728 1 fiche

Seal samples were collected around the coast of Iceland from 1979-82 to examine various aspects of the biology of the Icelandic seal populations, among which were their feeding habits. Research on feeding habits obtains information on the relationship between food and nematode infestation and the amount of harvested fish species from Icelandic fishing grounds eaten. This paper reviews information on the food of the common or harbour seal



and the grey seal. A total of 290 samples were used, obtained from lump sucker fishermen and traditional seal hunters, as well as by the researchers themselves.

• CA CF FI LS SC

### Food supply as a factor in seasonal changes of metabolism of Baltic cod

by V.V. Ipatov and D.V. Uzars. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 14 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5453) Originally published in Russian, by the Institut für Hochseelischerei und Fischverarbeitung Rostock-Marienehe at Rostock-Marienehe. ISSN 0704-3716  
MICROLOG 90-00582 1 fiche

Food supply is one of the very important factors determining the intensity and the direction of metabolism in fish, but it is very difficult to determine the impact of this factor on their vital functions under natural habitat conditions, because it depends on numerous components. The best way of studying the food supply is to determine the effect of its use from the intensity of the reserve substances storage, the intensity of weight gain and linear growth and the maturing of sexual products. This paper uses a combined analysis of the changes in the amount of food in the digestive tract and the dynamics of some morpho-physiological and physiologo-biochemical indexes in cod to determine the effect of the changes in food supply.

• CA CF FI LS SC

### Food/beverage server certification standards -- Rev.

Edmonton : Alberta Tourism Education Council, 1990. iv, 124 p. At head of title: Food/beverage and accommodation. MICROLOG 90-05241 2 fiche

One of the important initiatives the Council has undertaken is the development of individual certification standards for a wide range of tourism occupations. This province-wide system is a major advancement for the Alberta tourism/hospitality industry. This document discusses elements of the standard, such as human relations, safe food handling, selling and ordering, service preparation and closing, food service, beverage service, safety, monetary transaction skills, and employment standards.

AG AL CO PR

### Foraging activity of migrating brant at Stubbs Island in April 1989 following the Nestucca oil spill

by M.S. Rodway. Delta, B.C. : Canadian Wildlife Service, Pacific and Yukon Region, 1989. v, 27 p. : ill. Bibliogr. (Technical report series ; no. 77) ISSN 0831-6481 ISBN 0-662-17279-5  
MICROLOG 90-06371 1 fiche

As part of an ongoing evaluation of the impact of the Nestucca oil spill on the west coast of Vancouver Island, Clayoquot Spit on the north end of Stubbs Island was studied in spring 1989. This area is a traditional staging and feeding area for Brant migrating north along the west coast of Vancouver Island. The study monitored foraging behaviour to assess possible perturbations to their behaviour due to the oil spill and screened for marked birds, beginning in March and continuing until all Brant had left the area in April. Instantaneous samples of behaviour were taken at 15 minute intervals throughout the observation periods, for a total of 176 samples. The entire flock was scanned with a 20X telescope, and the behaviour of each bird was recorded as foraging, swimming, preening, flying, walking, standing, sleeping or agonistic.

• BC CA EV SC

### Forecasting the silver hake fishery in the Nova Scotia Shelf, Canada

by C. Garcia. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 16 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5217) Originally published in Spanish. ISSN 0704-3716  
MICROLOG 90-02692 1 fiche

In 1980, an 8-year study was begun of the behaviour of warm water incursions over the Nova Scotia Shelf in summer. In the summer, when warm waters enter the Shelf, the silver hake come up to spawn, and this is the most intense period of the fishery. Since the species responds to warm water, it appears that the greater the mass of warm water the higher the probability that the hake will enter and spawn, making it possible to forecast the fishery using water temperature. Temperature charts for 1970-74 and 1976-78 were used to prepare a short-term fisheries forecast, based on an 8-year series. The areas in the Shelf occupied by warm waters were delimited for each year in the series and a temperature analysis was performed using isothermal charts. The linear regression for the temperature values at the station and in the area, and the correlation coefficient were calculated. A detailed analysis of the near-bottom temperature charts for all the years was conducted.

• AP CA CF FI SC

### Forest ecosystem classification and land system mapping pilot project : Duck Mountain, Manitoba

prepared for Canadian Forestry Service and Manitoba Forestry Branch, Manitoba Dept. of Natural Resources ; by Pedocan Land Evaluation Ltd. (Edmonton). Winnipeg : Dept. of Natural Resources, Forestry Branch ; Ottawa : Canadian Forestry Service, 1988. 216 p. : ill., maps. Bibliogr. Fold. maps not filmed.  
MICROLOG 90-06243 3 fiche

This report summarizes the results of the first of 2 pilot projects to develop and test a site classification and forest land mapping system for the province of Manitoba. The project was conducted at Duck Mountain from 1987-88 and classified the pilot area within the ecoregions-subregions of Adams (1985); mapped ecological site units at 1:50,000 scale based upon land forms, soils, and plant community types; and characterized map units by productivity estimates of site index and mean annual increment of dominant and sub-dominant site types within map units using cruise and permanent sample plot data. Non-productive wetland ecosystems were not classified. A detailed description of the methods used are included.

• CA FO MS PS SC

### Forest ecosystem classification and land system mapping pilot project : Sandilands, Manitoba

prepared for Forestry Canada and Manitoba Forestry Branch, Manitoba Dept. of Natural Resources ; by Pedocan Land Evaluation Ltd. (Edmonton). Winnipeg : Dept. of Natural Resources, Forestry Branch ; Ottawa : Forestry Canada, 1989. iii, 118 p. : ill., maps. Bibliogr. Fold. maps not filmed.  
MICROLOG 90-06242 2 fiche

This report summarizes the results of the second of 2 pilot projects to develop and test a site classification and forest land mapping system for the province of Manitoba. The project was conducted at Sandilands from 1988-89 and classified the pilot area within the ecoregions-subregions of Adams (1985); mapped ecological site units at 1:50,000 scale based upon land forms, soils, and plant community types; and characterized map units by productivity estimates of site index and mean annual increment of dominant and sub-dominant

site types within map units using cruise and permanent sample plot data. Non-productive wetland ecosystems were not classified. A detailed description of the methods used are included.

• CA FO MS PS SC

### Forest insect and disease conditions in Alberta, Saskatchewan, Manitoba and the Northwest Territories in 1988 and predictions for 1989

by F.J. Emond and H.F. Cerezeke. Edmonton : Government of Canada, Canadian Forestry Service, Northern Forestry Centre, 1989. vi, 29 p. : maps. (Information report ; NOR-X-303) CSI 22249.004. ISSN 0704-7673 ISBN 0-662-16775-9  
MICROLOG 90-00671 1 fiche

Summary of forest pest conditions for 1988, with some predictions of infestation status for 1989. Nine major pests are discussed in order of importance (spruce budworm, forest tent caterpillar, mountain pine beetle, Dutch elm disease, dwarf mistletoe, yellowheaded spruce sawfly, larch sawfly, large aspen tortrix, jack pine budworm), and additional noteworthy insects, diseases, and tree damage agents are reported. Results of surveys for acid rain symptoms and pests and damage incidence in nurseries and plantations are also reported.

AL CA FO MS NO SC

### Forest insect and disease conditions in Alberta, Saskatchewan, Manitoba and the Northwest Territories in 1989 and predictions for 1990

by F.J. Emond and H.F. Cerezeke. Edmonton : Forestry Canada, Northwest Region, Northern Forestry Centre, 1990. vi, 23 p. : maps. Bibliogr. (Information report ; NOR-X-313) ISSN 0704-7673 ISBN 0-662-17633-2  
MICROLOG 90-05782 1 fiche

This regional report summarizes the status of major forest insects and diseases and other tree damage agents within the 3 prairie provinces and Northwest Territories in 1989, and forecasts expected trends of some pests and their damage in 1990. Special surveys are reported on, and other noteworthy insects, diseases, and other tree damage agents are summarized in tabular form. Information for this report was contributed largely from field observations, special collections, and records collected from April to late October. The pests are arranged according to national and regional importance. Results of surveys for acid rain symptoms and pests and damage incidence in nurseries and plantations are also reported.

• AL CA FO MS NO SC

### Forest insect and disease conditions in Canada, 1988

compiled by B.H. Moody. Ottawa : Forestry Canada, Forest Insect and Disease Survey, 1989. 105 p. : maps. Bibliogr. CSI 22189.004. ISSN 0226-9759 ISBN 0-662-17815-7  
MICROLOG 90-06769 2 fiche

Annual survey of forest insect and disease conditions, categorized as major forest insects and diseases and individually described. Also contains information on the Acid Rain National Early Warning System, special surveys such as cone and seed pests, pests and diseases in young stands and plantation, Stillwell's syndrome, and the pinewood nematode, and a regional summary. Also included is an overall summary of defoliation and damage estimates and an index to insects, diseases and damage.

CA FO SC

### Forest insect and disease conditions in Newfoundland and Labrador in 1988

by L.J. Clarke and G.C. Carew. St. John's : Canadian Forestry Service, Newfoundland Forestry Centre, 1989. v, 38 p. : maps.



(Information report ; N-X-268) CSI 22189.005.  
ISSN 0704-7657 ISBN 0-662-17088-1  
MICROLOG 90-00292 1 fiche

Summary of forest pest conditions in Newfoundland and Labrador in 1988, compiled from information collected in 12 Forest Insect and Disease Survey Districts. Major pests of fir, spruce, pine and larch forests and deciduous tree species are discussed in detail and pests of lesser importance are tabulated.

● AP CA FO SC

### Forest insect and disease conditions, British Columbia and Yukon, 1989

by C.S. Wood and G.A. Van Sickle. Victoria : Forestry Canada, Pacific and Yukon Region, Pacific Forestry Centre, 1989. v, 28 p. : maps. (Information report ; BC-X-318) ISSN 0830-0453 ISBN 0-662-17526-3  
MICROLOG 90-05790 1 fiche

This regional report reviews the status and impact of major forest insects and diseases and the effects of environmental factors on conifer and broadleaf forests in B.C. and the Yukon Territory in 1989. The subjective terms 'light', 'moderate' and 'severe' are used to describe levels of total defoliation; these are defined as 1%-25%, 26%-50% and more than 50% defoliated, respectively. The report is compiled from information obtained largely from field observations and records collected from May to October in 6 provincial forest regions and the Yukon Territory.

● BC CA FO NO SC

### Forest insects and diseases in Cape Breton Highlands National Park in 1989

S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. (Technical note ; no. 229)  
CSI 22273.005. ISSN 0820-8107  
MICROLOG 90-04907 1 fiche

National parks are regularly surveyed for forest insect and disease conditions. This note presents the results of such a survey in Cape Breton Highlands National Park in 1989, including the depredations of spruce budworm, birch skeletonizer, gypsy moth, anthracnose, balsam twig aphid, balsam woolly adelgid and various other types of insects.

● AP CA FO SC

### Forest insects and diseases in Fundy National Park in 1989

S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. (Technical note ; no. 227)  
CSI 22273.007. ISSN 0820-8107  
MICROLOG 90-04906 1 fiche

National parks are regularly surveyed for forest insect and disease conditions. This note presents the results of such a survey in Fundy National Park in 1989, including the depredations of spruce budworm, spruce beetle, spruce shoot blight (disease), gypsy moth, maple spindlegall mite, maple leafcutter, American dagger moth and various other types of insects.

● AP CA FO SC

### Forest insects and diseases in Kejimikujik National Park in 1989

S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. (Technical note ; no. 228)  
CSI 22273.004. ISSN 0820-8107  
MICROLOG 90-04908 1 fiche

National parks are regularly surveyed for forest insect and disease conditions. This note presents the results of such a survey in Kejimikujik National Park in 1989, including the depredations of gypsy moth, oak leafroller and oak leaf shredder, pine leaf adelgid, spruce budworm, white pine weevil larvae, and other intriguing pests encountered by FIDS rangers.

● AP CA FO SC

### Forest insects and diseases in Kouchibouguac National Park in 1989

S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. (Technical note ; no. 226)  
CSI 22273.006. ISSN 0820-8107  
MICROLOG 90-04905 1 fiche

National parks are regularly surveyed for forest insect and disease conditions. This note presents the results of such a survey in Kouchibouguac National Park in 1989, including the depredations of spruce budworm, cherry blight, gypsy moth, needle rust, birch leafroller, uglynest caterpillar and various other types of insects.

● AP CA FO SC

### Forest insects and diseases in Prince Edward Island National Park in 1989

S.I. : Canadian Forestry Service - Maritimes, 1989. 2 p. (Technical note ; no. 230)  
CSI 22273.003. ISSN 0820-8107  
MICROLOG 90-04897 1 fiche

National parks are regularly surveyed for forest insect and disease conditions. This note presents the results of such a survey in Prince Edward Island National Park in 1989, including the depredations of spruce budworm, birch casebearer, spruce bud moths, cherry blight, gypsy moth, leafhopping sawfly larvae, hemlock looper larvae, uglynest caterpillar, web-spinning sawfly, and various other types of insects.

● AP CA FO SC

### Forest inventory south shore subdivision (Queen's & Lunenburg Counties), 1988

Halifax : Dept. of Lands and Forests, 1988. 102 p. (Information report)  
MICROLOG 90-07373 3 fiche

Inventory of forest resources in the south shore subdivision, using a 3-stage 3P technique. The first stage was delineation and classification of the forest or non-forest condition at the centre of each air photo. If the estimated cubic metres per hectare were equal or greater than the random number, the stand was field sampled using 3P point sample. Trees were also measured for diameter and length between measurements from stump height to top of tree, as well as for product and grade. The inventory covers land ownership (Crown, large private, small private), cover type (softwood, mixedwood, hardwood), maturity class (regeneration, young, immature, pole, mature, overmature), and type (sawlog, pulpwood).

AP FO PR SC

### Forest inventory terms in Canada -- 3d ed.

by B.H. Haddon. Ottawa : Forestry Canada, Canadian Forest Inventory Committee, 1988. vi, 109, vi, 113 p. French ed. (*Terminologie de l'inventaire...*) on the same fiche. ISBN 0-660-54772-4  
MICROLOG 90-01189 3 fiche

This publication is intended to reduce problems by providing the Canadian forestry community with common forest inventory terminology an explanation of usage. Presented in 3 sections, inventory procedures, glossary and appendices, the scope of this publication is limited to inventory for areas of wood production and harvesting. Inventory tasks are outlined in chronological sequence, the glossary includes terms, and 3 appendices present the metric measurements used in inventories, the symbols approved for species and species groups, and a description of the Canada Land Data System.

CA FO SC

### Forest land habitat management in New Brunswick : progress report

Fredericton : Dept. of Natural Resources and Energy ; Ottawa : Wildlife Habitat Canada Canada, 1989. 73 p. : ill. Bibliogr.  
MICROLOG 90-01724 1 fiche

The objective of the program is to develop a system that integrates wildlife habitat objectives into the 25-year forest management planning process used on Crown land in New Brunswick. The program establishes quantitative relationships between wildlife populations and forest habitats, identifies long-term wildlife habitat objectives that will accommodate desired wildlife population levels, and develops the computer procedures and management approaches that can integrate these objectives into the system used to determine annual allowable timber harvest levels for Crown timber licenses. This report covers the habitat relationships definition for marten, white-tailed deer and forest birds, licensee forest habitat objectives for marten and white-tailed deer; development of habitat supply analysis procedures; and public awareness measures.

AP EV FO PR SC

Ottawa : Wildlife Habitat Canada ; Fredericton : Dept. of Natural Resources and Energy, Fish and Wildlife Branch, 1990. v, 61 p. ill. Bibliogr. CSI 45124.202  
MICROLOG 90-06499 1 fiche

The goals of the New Brunswick forest land habitat management program are to define habitat objectives for Crown land that will accommodate desired wildlife population levels and to integrate habitat objectives into the forest management planning process for Crown land. This report is the third semi-annual progress report of a 5-year program and covers definitions of habitat relationships for white-tailed deer, marten, and forest birds, licensee forest habitat objectives for white-tailed deer winter habitat; mature and overmature coniferous forest habitat; habitat supply analysis procedures; and budget expenditures.

AP EV FO PR SC

### The Forest Land Use Workshop

Forest Land Use Workshop (1987 : Edmonton, Alta.). Edmonton : Environmental Council of Alberta, Public Advisory Committees, Renewable Resources Sub-Committee, 1987. 77 p.  
MICROLOG 90-07360 1 fiche

This workshop discussed the relationships among the many users of Alberta's forests, as part of the preparation of a report on Alberta's forests. The workshop focused on defining the relationships among the various forest users, resolving the differences, and examining the future of forest management in the province. During the morning session, the workshop was divided into such different user groups as agriculture, natural habitat, logging, non-renewable resources, and recreation. After each group developed responses to the workshop questions, they reconvened for the afternoon plenary session at which the perspectives of each user group were discussed. This report contains notes recorded during the morning group sessions and an edited transcript of the afternoon plenary session.

AL FO PR SC

### Forest management agreements : fourth five-year review, 1983-88

Toronto : Ministry of Natural Resources, 1989. 72 p. : ill. CSI 55116.013. ISSN 0838-3286  
MICROLOG 90-04144 1 fiche

Forest management agreements (FMAs) came into being in Ontario through an amendment to the Crown Timber Act in 1979. The agreements cover a specific section of Crown land and replace existing licensing



arrangements with an Agreement which requires the companies to manage the forests on a sustained-yield basis, including responsibility for harvesting, planning, regeneration and other silvicultural activities necessary for proper forest management, including construction of access roads. This report covers 5-year reviews on FMAs with Domtar Inc.'s White River forest and Quebec and Ontario Paper Co. Ltd.'s Cochrane forest, Gardiner forest, and Timmins forest. The report summarizes the various forest operations carried out by the 5 companies and presents the recommendations of the committee which conducted the reviews.  
FO ON PR SC

#### Forest management expenditures in Canada, 1983-85

by J.H. Smyth...et al. Sault Ste. Marie, Ont. : Forestry Canada, Great Lakes Forestry Centre ; Montreal : Canadian Pulp and Paper Association, 1989. 73 p. : ill. Bibliogr. (Joint report ; no. 14) CSI 22189.016 ISSN 0832-7157  
MICROLOG 90-06771 1 fiche

Provides information on the level of funding by government and the forest industry for forest management activity. It summarizes expenditures for selected categories of forest management and administrative activities by provincial governments, the federal government, and the forest industry.  
• CA FO SC

#### Forest management in Alberta

Alberta. Expert Panel on Forest Management. Edmonton : Alberta Forestry, Lands and Wildlife, 1990. iv, 128 p. : ill. Bibliogr. ISBN 0-86499-726-4  
MICROLOG 90-06668 2 fiche

The Expert Panel was appointed by the government following the announcement of the new forest management agreements (FMAs) in northern Alberta. A series of public meetings and workshops were held in northern Alberta, after which the Panel reviewed the issues arising, as well as reviewing any other forest land management issue in Alberta but not the environmental impacts of the proposed pulp mill facilities. The report covers recently announced forestry developments in northern Alberta, with existing FMA and quota operations considered in the more general forest management evaluations. The role of the government in allocating, planning, and regulating FMAs, the role of FMA holders in management, planning, and operations, and the role of the public in this process are all outlined and discussed, as well as technical aspects of forest management, environmental impact, wildlife management, and reforestation.  
AL FO PR SC

#### Forest management in Canada -- Rev.

by J.-P. Amyot. Ottawa : Library of Parliament, Research Branch, 1989. 15 p. Bibliogr. (Current issue review ; 87-1E) French ed. (*L'Aménagement forestier...*) on the same fiche. ISBN 0-660-13390-3  
MICROLOG 90-03016 1 fiche

Description of the changes and developments in forest management, specifically Canadian government management of Canada's forests. The document contains an overview of forest management, a description of the resources available, and problems such as dieback and increased competition in international forest products markets. An overview of federal government activity concludes the paper. A chronology is included.  
CA FO SC

#### Forest management plan for Crown land in Cambridge District, 1988 to 1993

by K.A. Elliot. Cambridge, Ont. : Ministry of Natural Resources, Cambridge District Office, 1989. viii, 125 p. : ill. ISBN 0-7729-5236-1  
MICROLOG 90-00939 2 fiche

Crown land is owned by the provincial government and the areas within this plan are managed for forestry purposes, including the production of wood products, provision of proper environmental conditions for wildlife and recreation, protection against floods and erosion, and protection and production of water supplies. This forest management plan covers 19 separate tracts of land, mostly acquired between 1955 and 1977. The document evaluates the level of achievement from 3 previous plans and modifies them for the current 5-year management plan. The plan states the objectives and targets and describes the strategies necessary to attain them. An implementation plan is also included.  
FO ON PR SC

#### Forest Modeling Symposium : proceedings

B.J. Boughton and J.K. Samoil, editors. Edmonton : Forestry Canada, Northwest Region, Northern Forestry Centre, 1990. vi, 180 p. : ill. Bibliogr. (Information report ; NOR-X-308) ISSN 0704-7673 ISBN 0-662-17314-7  
MICROLOG 90-05780 2 fiche

Papers presented in the symposium on the role of forest modeling in the past, currently and in the future, and modeling in such other resource sectors such as hydrology, wildlife, agriculture and climate change. Question and answer sessions are also reported.  
• CA FO SC

#### Forest nursery production and shipments in the Maritimes, 1988

by R.D. Hallett, L.J. Lantaigne and T.W. Burns. S.I. : Canadian Forestry Service - Maritimes, 1990. 8 p. (Technical note ; no. 223) ISSN 0820-8107  
MICROLOG 90-03131 1 fiche

Short description of forest nursery production, the Atlantic forest nursery crop advisory committee and its goals, the stock quality testing and training facility, and facilities in Newfoundland and Labrador.  
• AP CA FO SC

#### Forest pest conditions in the Maritimes in 1989

by L.P. Magasi. Fredericton : Canadian Forestry Service - Maritimes, 1990. vii, 77 p. : maps. Bibliogr. (Information report ; M-X-177) ISSN 0834-406X ISBN 0-662-17669-3  
MICROLOG 90-04219 1 fiche

Review of the status of forest insects and diseases in the Maritimes Region in 1989 and forecasts of conditions for 1990, when appropriate. Economically important pests of current concern are discussed in some detail, other organisms are listed in tabular form. Various special involvements with related activities, such as the use of pheromones as survey tools, the Acid Rain National Early Warning System, and others are discussed. A list of forest pest related publications and reports is included.  
• AP CA FO SC

#### Forest Productivity Working Group : annual report

Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 7 p. French ed. (*Groupe de travail sur la productivité...*) on the same fiche. Presented at the Conference of the New England Governors and the Eastern

Canadian Premiers.  
MICROLOG 90-00522 1 fiche

Annual report of the Working Group, established in 1984 by the Eastern Premiers of Canada and the New England Governors to address the issue of declining forest productivity and develop recommendations to ensure the long-term health of the resource. This report details the year's activities, including a reexamination of its purpose and objectives, a summary of forest health problems, and the coordination of long-term forest health monitoring. Proposals for the new year include long-term forest health monitoring, integrated monitoring, and a summary of forest stresses.  
AP CA EX FO SC

#### Forest regeneration in the ICHg, Prince Rupert Forest Region : a problem analysis

by L.J. Beaudry and L.D. McCulloch. S.I. : Forest Resource Development Agreement, 1989. vi, 65 p. : ill., maps. Bibliogr. (FRDA report ; 090) This is a joint publication of Forestry Canada and the British Columbia Ministry of Forests. ISSN 0835-0752 ISBN 0-7726-1014-2  
MICROLOG 90-05855 1 fiche

In the past, regeneration success has been inadequate in the Northwest transitional subzone of the interior cedar hemlock biogeoclimatic zone (the ICHg) in the Prince Rupert forest region. Historical records show that a large section of land denuded through logging and fire before 1986 is still not satisfactorily restocked. This project determined the nature and extent of reforestation problems and identified proven and potential solutions. The project specifically determined which factors contribute to lack of regeneration success in the subzone, ranked the relative importance of each factor, identified proven and potential methods for overcoming these factors, and recommended research priorities for problems that have not been resolved.  
• BC CA FO SC

#### Forest research and management demonstration area : Thunder Bay spacing trial

Toronto : Ministry of Natural Resources, 1989. 10 p. : ill. ISBN 0-7729-5137-3  
MICROLOG 90-01598 1 fiche

Description of the Thunder Bay spacing trial, established in 1951. It included black spruce, white spruce, red pine and white pine planted at spacings of 1.8 x 1.8 m (2900 trees/ha), 2.7 x 2.7 m (1300 trees/ha) and 3.6 x 3.6 m (730 trees/ha). The trial examined the effect of planting density on stock over time, as well as giving an opportunity to study the growth response and productivity of the species at different densities. This pamphlet describes the objectives of the trial, the species, the planting site, the growth and yield, and management and biological implications.  
FO ON PR SC

#### Forest research in Canada, 1979-80 and 1985-86 -- Rev.

Ottawa : Forestry Research Advisory Council of Canada, 1988. vii, 93 p. French ed. (*La Recherche forestière...*) : 90-02753/2. ISBN 0-662-17180-2  
MICROLOG 90-02754 2 fiche

In December 1979, the Canadian Forest Advisory Council published a report on forest research in Canada that summarized expenditures on research related to forestry by agency and broad subject matter. This report updates the data in the 1979 report and compares expenditures for 1985/86 with those in 1979/80. The report is the result of a survey of expenditures for research and development related to forests and forest products, although the emphasis is on forestry rather than the products. The report covers



expenditures by agencies such as government departments, industry, and universities, and by province; and by subject areas, including environment, production, protection, non-consumptive uses, utilization, forestry services, and economics.  
CA FO SC

### Forest research priorities in Canada : an overview for the Canadian Council of Forest Ministers

Forestry Research Advisory Council of Canada. Ottawa : Forestry Canada, 1989. iv, 10, iv, 11 p. *Bilingual (Priorités de la recherche...)*. ISBN 0-662-56910-5  
MICROLOG 90-02965 1 fiche

Annual report of Council, covering forest research priorities, emerging forestry and related concerns likely to affect research priorities, emerging forestry opportunities that may affect research priorities, status of the forest research advisory process, and the adequacy of present research programs.  
CA FO SC

### Forest site classification manual : a field guide to the Damman forest types of Newfoundland

by W.J. Meades and L. Moores. S.I. : Forest Resource Development Agreement, 1989. xvi, 312 p. : ill. Bibliogr. (FRDA report ; 003) ISSN 0840-7673 ISBN 0-662-14644-1  
MICROLOG 90-05920 4 fiche

Manual providing a forest site classification system based on the natural relationships between forest vegetation and soils, identifying nutrient and moisture relationships between component forest types. The manual includes a vegetation and soil key to 33 forest types, cross referenced to 90 botanical illustrations. Fact sheets for each forest type provide a brief description of stand composition and soil characteristics followed by interpretations of productivity, succession, harvesting sensitivity, trafficability, suitability for road construction, natural regeneration, species suitability for artificial regeneration, forest heave hazard, windthrow hazard and vegetation competition hazard. The ecoregions and subregions of Newfoundland are described and selected toposquences are illustrated to show the position of the forest types at the landscape level.

• AP CA FO LS SC

### Forest tree seed inspector's manual : OECD scheme for certification of forest reproduction material moving in international trade

by F.T. Portlock. Ottawa : Government of Canada, Canadian Forestry Service, 1988. v, 44, v, 44 p. Bibliogr. (Information report ; DPC-X-22) *Bilingual (Guide de l'inspecteur des...)*. ISSN 0705-324X ISBN 0-662-55445-0  
MICROLOG 90-01185 2 fiche

Canada has assisted in formulating the scheme for the control of forest reproductive material moving in international trade. The object of the scheme is to encourage production and use of forest tree reproductive materials that have been collected, processed, raised and distributed in a manner that ensures their trueness to name. Forestry Canada is the designated administrative authority for this scheme. Its forestry centres are the responsible certifying authorities. Since certification may protect the seed trade and enhance the value of seed products it is essential that the procedures of seed certification be well defined and strictly applied. The purpose of this manual is to provide practical instructions to ensure that certification procedures are properly executed.

• CA CO FO SC

### Forester Lake area

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 17 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 511)  
MICROLOG 90-05614 1 fiche

Geological data inventory for Forester Lake area, including a checklist of data sources, references to metals and minerals, mineral occurrences by location and company, type of exploration work conducted and by whom, drillhole summary by company, geochemical survey data, topographic maps available, results of an ODM general index search, and selected references.  
NR ON PR PS SC

### Forestry and forest products vocabulary

by N. Laflamme and H.N. Le Blanc. Ottawa : Canadian Forestry Service, 1987. xxvii, 613 p. (Publication ; no. 2) *Bilingual (Vocabulaire de la foresterie...)*. ISSN 0835-3212 ISBN 0-662-55525-2  
MICROLOG 90-03801 7 fiche

Alphabetical listing of more than 12,000 English terms and expressions related to forestry and allied sciences and to forest products, with their French equivalents. Sources of the expressions are given for both languages, as well as the category in which they are used and the universal reference number.

• CA FO SC

### Forestry Canada : preparing for the future : our strategic plan

Canada. Forestry Canada. Ottawa : The Dept., 1990. viii, 9, vii, 10 p. *Bilingual (Forêts Canada se prépare...)*. ISBN 0-662-57461-3  
MICROLOG 90-04589 1 fiche

This plan describes the context within which the department will be working and their preoccupations; outlines new orientations in international competition, management of the resource base, environmental concerns, and the incorporation of the principle of sustainable development; and describes strategic directions in the areas of national leadership, forest sector development, forest environmental quality, and science and technology.

• CA FO SC

### Forestry Canada publications, 1986-88

by D. Rochon. Ottawa : Government of Canada, Canadian Forestry Service, 1989. iii, 63 p. (Information report ; DPC-X-29) ISSN 0705-324X ISBN 0-662-56838-9  
MICROLOG 90-01186 1 fiche

List of publications by year from headquarters and the regional centres of Forestry Canada, including journal articles, information reports, symposium proceedings, and other publications.

• CA FO SC

### Forestry facts

Ottawa : Forestry Canada, 1990. 87, 87 p. : ill. *Bilingual (Regard sur la foresterie)*. CSI 22189.214. ISBN 0-662-57140-1  
MICROLOG 90-03047 1 fiche

Data on Canada's forest industry in an international, national and provincial/territorial context. Data are given on resources, production of forest products, exports and consumption for 1987.  
CA FO SC ST

### Forestry facts -- Rev.

Ottawa : Forestry Canada, 1990. 87 p. : ill. French ed. (Regard sur la foresterie) on the same fiche. CSI 22189.214. ISBN

0-662-17893-9

MICROLOG 90-06985 1 fiche

Compendium of interesting and unusual facts about the forestry sector in Canada, including Canada's place internationally, a comprehensive national overview, and capsule data organized by industry segment and by province or territory. National data covers forest management expenditures, silvicultural accomplishments, losses, prices of selected products, a comparison with other natural resources, and the top 10 forestry corporations. Data is also given on the roundwood, lumber, shingles and shakes, veneer and plywood, particleboard, waterboard, wood pulp, newsprint, and paper sectors of the industry.

CA FO SC ST

### Forestry Research Advisory Council of Canada : Annual report 1988

Ottawa : Forestry Canada, 1989. 8, 9 p. *Bilingual. CSI 22189.002* ISSN 0844-9007 ISBN 0-662-56869-9  
MICROLOG 90-02134 1 fiche

Annual report of the Council for the calendar year 1988, covering the highlights of the year, the importance of forestry research; changes in the terms of reference; actions stemming from the Council's 1987 report; research advisory structures; industry involvement in forest management research; the effect of the Canadian Environmental Protection Act on forestry research, the forest insect and disease survey, bioenergy, biotechnology, and spruce budworm research, economic studies in forest science, and plans for the coming year. The report also includes the current terms of reference and membership and meetings held from 1983-88.

• CA FO SC

### Forestry research and development in British Columbia : a vision for the future

British Columbia. Forestry Planning Committee. Victoria : Science Council of British Columbia, 1989. 62 p. Bibliogr. (Spark report)  
MICROLOG 90-01768 1 fiche

In September of 1987, the Science Council of B.C. established a number of sectoral planning committees to identify opportunities and develop specific plans for improving the application of science and technology to the economy of B.C. The sectoral committees are charged with identifying key strengths and weaknesses and of making broad recommendations. The committees include representatives of industry, universities, institutes and colleges, research institutions and the federal and provincial governments. The recommendations of each committee are reviewed by the Science Council for the establishment of priorities, then integrated into overall plans for science and technology by the Premier's Advisory Council on Science and Technology and by the provincial government itself. This report summarizes the deliberations of the Forest Planning Committee, covering their mission and objectives, R&D and economic implications, forest industry coordination and responsibility, and recommendations for the future.  
BC FO PR SC

### La Forêt privée : un potentiel à développer

voir Rapport du Comité Audet sur l'orientation de la politique relative à la forêt privée

### Forêts Canada se prépare à l'avenir : notre plan stratégique

Canada. Forêts Canada. Ottawa : le Ministère, 1990. vii, 10, viii, 9 p. *Bilingue (Forestry Canada : preparing...)*. ISBN 0-662-57461-3  
MICROLOG 90-04589 1 fiche

Le Canada est un pays de forêts. Du sapin baumier de la côte Atlantique au Douglas



taxifolié de la Colombie-Britannique, les forêts et les activités qui y sont reliées font partie intégrante de notre histoire, de notre patrimoine et, même, de notre identité. Ce document se penche sur la question en fournissant des renseignements sur différents aspects de la forêt.

• CA FO SC

### Les Forêts fédérales du Canada, 1990

Ottawa : Forêts Canada, 1990. 6 p. *L'éd. anglaise (Federal forests in...) sur la même fiche. CSI 22189.017. ISBN 0-662-96106-4 MICROLOG 90-06965 1 fiche*

Ce document porte sur les forêts fédérales du Canada et donne des données importantes sur les points suivants: la classification des superficies; la superficie des terres productives inventoriées par province et par tenure; les terres fédérales par type de tenure; la tenure des terres fédérales forestières productives par province; la récolte de bois sur les terres fédérales par type de produits et par propriété; la récolte de bois sur les terres fédérales par type de produits et par groupe d'essences; le revenu du bois sur pied et valeur estimée des produits forestiers sur les terres fédérales; le volume du bois estimé sur les terres forestières productives fédérales; la récolte de bois sur les terres fédérales; et, les terres fédérales par tenure et par classe de grandeur.

• CA FO SC ST

### La Formation des enseignants en Ontario : méthodes actuelles et perspectives d'avenir

par M.G. Fullan...et al. Toronto : Ministère des collèges et universités ; Ministère de l'éducation, 1990. viii; 159 p. : ill. Bibliogr. *L'éd. anglaise (Teacher education...)* : 90-06080/2. ISBN 0-7729-3785-0 MICROLOG 90-06081 2 fiche

Ce document s'efforce de traiter de façon logique et efficace des nombreux points contrariants afférents à la formation des enseignants. Il se penche particulièrement sur les questions suivantes: pourquoi une réforme de la formation des enseignants; où nous en sommes aujourd'hui; être et devenir enseignant; la réforme de la formation des enseignants; et, les facultés d'éducation en Ontario. Il fournit également: la liste des personnes et organismes qui ont répondu au document de prise de position sur la formation des enseignants; une bibliographie choisie sur la formation des enseignants; et, le nombre d'admissions au programme de formation avant l'emploi.

ED ON PR

### Formation du comité consultatif des normes environnementales et élaboration des normes et des lignes directrices relatives à l'environnement : document de travail

Toronto : Environnement Ontario, 1988. 11, 11 p. : ill. *Bilingue (Discussion paper on the establishment...)* MICROLOG 90-01200 1 fiche

Ce document porte sur le processus d'élaboration des normes et des lignes directrices relatives aux polluants environnementaux, qui suppose en premier lieu qu'on examine toutes les preuves scientifiques, y compris l'information sur la toxicité d'un polluant et les risques d'exposition à un polluant. Par la suite, il tient compte des questions juridiques, économiques et sociales pour que les normes et les lignes directrices soient conformes aux priorités globales de la collectivité.

EV ON PR SC

### La Formation et le marché du travail : un défi

Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 11, 7 p. *Bilingue (Training and the labour market...)*. Présenté à la Conférence annuelle des premiers ministres. MICROLOG 90-02069 1 fiche

Durant les prochaines années, la stratégie de l'Ontario relative au marché du travail doit tenir compte de quatre facteurs qui se manifestent de façon plus marquée: le facteur démographique; la concurrence internationale; l'évolution technologique et sociale rapide; et, la formation vue dans le contexte des relations de travail. Ce document présente les conclusions de la Conférence annuelle des premiers ministres sur la formation et le marché du travail.

LA ON PR

### Formation of histamine in cured herring

by E. Langmyhr and G. Tertnes. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 3 p. (Canadian translation of fisheries and aquatic sciences ; no. 5371) *Originally published in Norwegian, by the Directorate of Fisheries, at Bergen, Norway. ISSN 0704-3716 MICROLOG 90-01501 1 fiche*

Summary of an experiment in which hard-cured, sugar-cured and spice-cured herring representing 3 degrees of freshness were stored at 4C, 10C and 20C for 3 months.

• CA CF FI SC

### The Formation of the commercial stock of the North Atlantic rock grenadier

by V.V. Dushchenko. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 19 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5340) *Originally published in Russian. ISSN 0704-3716 MICROLOG 90-01476 1 fiche*

Many aspects of the biology of the rock grenadier remain unknown, in particular the population structure, its migrations, and the source of recruitment of the commercial stock of the northwestern Atlantic, where almost exclusively sexually immature fish are caught. This paper determines the degree of isolation of rock grenadier groupings by using biochemical genetics.

• AP CA CF FI LS SC

### La Formation professionnelle et le secteur privé : choix et approches

Toronto : Ministère de la formation professionnelle, 1989. vi, 37 p. : ill. Bibliogr. *L'éd. anglaise (The Training decision : training...)* sur la même fiche. ISBN 0-7729-5374-0 MICROLOG 90-00401 2 fiche

Ce rapport présente les résultats d'une étude spéciale sur les facteurs qui influencent les entreprises lorsqu'elles décident de mettre sur pied un programme de formation, sur les types de formation offerts, sur leur organisation et administration au sein des entreprises et sur l'incidence des programmes de formation structurés que les entreprises offrent à leurs employés. L'étude comprend deux volets: une série d'entrevues approfondies menées auprès de 100 entreprises ontariennes qui ont offert des programmes de formation structurés à leurs employés en 1987, et un sondage par courrier d'un échantillon d'entreprises de l'Ontario. Finalement, on aborde les questions suivantes: les raisons pour lesquelles les entreprises offrent des programmes de formation; qui reçoit la formation, la décision

d'offrir une formation et le marché du travail; l'organisation et l'administration de la formation; les observations du secteur privé face au rôle du gouvernement en matière de formation. Le rapport se termine avec un résumé d'une brève discussion sur les retombées politiques de cette recherche.

LA ON PR

### Formula Review Committee study

prepared for Nova Scotia Dept. of Education ; by Doane Raymond Management Consultants. S.l. : The Consultants, 1990. xi, 121 p. *Background notes for announcement by the Honourable Ronald C. Giffin, Q.C., regarding school funding for 1990 and implementation of changes to the high school program (6 p.) laid in.* MICROLOG 90-04758 2 fiche

This study reviews and comments on the structure, mandate and reporting relationships of the Committee and the process it followed in recommending funding formulas. It also assesses the appropriateness of the existing funding formulas and proposes alternative methods of financing both operating and capital requirements of school boards consistent with objectives of public education in Nova Scotia. Finally, it reviews and comments on the present accountability relationships between the provincial government, school boards, and municipal units.

AP ED PR

### Formulas for calculation of sea water salinity using a successive scheme

by V.I. Zaburdaev and P.A. Kalashnikov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 15 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5398) *Originally published in Russian. ISSN 0704-3716 MICROLOG 90-01543 1 fiche*

Development of concrete values and formulae for each section of a progressive scheme for salinity calculation of the world oceans.

• CA CF NR PS SC

### Fort Battleford National Historic Park : management plan

Ottawa : Canadian Parks Service, 1988. 24 p. : ill., maps. Bibliogr. MICROLOG 90-03091 1 fiche

This document deals with commemoration and protection issues which form the background to the establishment of management planning for the Park. It discusses the Park context, the plan elements, and the plan implementation framework.

CA CU

### Fort McPherson : a community study

Yellowknife : Dept. of Education, 1987. 118 p. : ill. MICROLOG 90-02651 2 fiche

This study covers the environment, camp life, early contact, recent history, and the modern community.

CU NO NP PR

### Forum des travaux en cours : programme et résumés

Forum des travaux en cours (1989 : Ottawa, Ont.) Ottawa : Énergie, mines et ressources, Commission géologique du Canada, 1989. 27, 24 p. *Bilingue (Current Activities Forum...)*. MICROLOG 90-02063 1 fiche

Ce document présente le résumé du Forum sur les travaux en cours de la Commission géologique du Canada.

CA EV NR PS SC



## Forum on the Future of the City of Toronto : proceedings

Forum on the Future of the City of Toronto (1989 : Toronto, Ont.). Toronto : Toronto Planning and Development Dept., Policy and Research Division, 1989. iii, 330 p. : ill., maps. On cover: *Cityplan '91*. MICROLOG 90-00797 4 fiche

Presents a debate on the future of Toronto, and includes speeches on the downtown planning experiences in four North American cities; the major tensions associated with downtown growth; managing commercial growth in the downtown core; creating affordable housing options for the city; responding to transportation congestion; the quality of life and the land use process; planning to achieve social equity; seeking better architectural quality and urban design; and planning for parks and open space. CO MU ON PL SC

## Forum parlementaire sur les changements climatiques dans le monde

Forum parlementaire sur les changements climatiques dans le monde (1990 : Ottawa, Ontario). Ottawa : Chambre des communes, Bureau du Président, 1990. xix, 274, xviii, 264 p. : ill. *Bilingue (Parliamentary Forum on...)*. MICROLOG 90-05943 6 fiche

Ce document présente le sommaire d'un forum parlementaire sur les changements climatiques dans le monde. Il est divisé en quatre parties qui sont les suivantes: la séance plénière d'ouverture; la première, deuxième et troisième séances conjointes; la séance plénière de fermeture; et, les procès-verbaux. CA EV SC

## The Forward scattering spectrometer probe

by A. Lemyk and G.L. Ogram. Toronto : Ontario Hydro, Research Division, 1990. 21 p. : ill. Bibliogr. (Report ; no. 89-297-K). MICROLOG 90-06034 1 fiche

A particle measuring system (PMS), forward scattering spectrometer probe (FSSP), model FSSP-100 was acquired. The FSSP uses laser-light scattering to size airborne particles from 1-95 um in diameter. It is an extremely robust instrument which has been applied to size water droplets in steam at 100C and in natural fogs at above- and below-freezing temperatures. This report describes the operating principles of the FSSP, describes modifications made to the operating software and documents operating procedure. EV ON PR PS SC

## The Fossil elephants of Manitoba

Winnipeg : Manitoba Culture, Heritage and Recreation, Historic Resources, 1990. 23 p. : ill. Bibliogr. ISBN 0-7711-0865-6. MICROLOG 90-06238 1 fiche

This pamphlet describes the mammoths and mastodons of Pleistocene Manitoba, including their phylogeny and evolution, the method by which they arrived, their physical characteristics, and their diet and distribution. Hunting of these mammals is described, as well as locations in which the bones were found. CU MS PR

## Fouilles archéologiques au lieu historique national des Fouches à Winnipeg : mesures d'atténuation liées à l'aménagement de la pointe nord

par G. Adams...et al. Ottawa : Environnement Canada, Service canadien des parcs, 1990. 17 p. : ill. Bibliogr. (Bulletin de recherches ; no 283) *L'éd. anglaise (Archaeological investigations...)* sur la même fiche. ISSN

0228-1236  
MICROLOG 90-04612 1 fiche

Le but des fouilles archéologiques effectuées au confluent des rivières Rouge et Assiniboine à l'été de 1988 était d'atténuer les effets des travaux d'aménagement associés à la création du lieu historique national des Fouches. Le document se penche particulièrement sur les mesures d'atténuation liées à l'aménagement de la pointe Nord. • CA CU MS

## The Foundations of Canadian federalism

by W. Koerner. Ottawa : Library of Parliament, Research Branch, 1988. 35 p. Bibliogr. (Background ; BP-187E) *French ed. (Les Fondements du fédéralisme...)* on the same fiche. ISBN 0-660-13292-3. MICROLOG 90-01911 1 fiche

Topics covered in this document include: the intent of confederation; Macdonald and the confederation proposal; Christopher Dunkin and the critique of the confederation proposal; motives for confederation; and revisionism. It provides a selected bibliography. CA CI PA

## Fourth Mines Branch Seminar on Environmental Improvement

Ottawa : Dept. of Energy, Mines and Resources, Mines Branch, 1973. iv, 126 p. : ill. Bibliogr. (Report ; ADM 73-1). MICROLOG 90-04497 2 fiche

Report of contributions to pollution abatement at mineral and heat process sources. Abatement of air pollution is divided into reports on coal mining and fuel process sources, fuel combustion sources and plume dispersion, and pyrometallurgical sources. Abatement of land and water pollution is considered for metallic mineral processing and fuel sources, tailings dumps, and analytical techniques. • CA CM EV NR PS SC

## Foxdale area structure plan and supporting information : office consolidation

Calgary, Alta. : Calgary Planning and Building Dept., 1990. i, 27 p. : maps. MICROLOG 90-04985 1 fiche

Foxdale is a new residential area to be developed east of Falconridge between McKnight Blvd. and 64th Ave. N.E. This plan presents the policies developed for the new area, including residential and commercial areas, open space, roads, transportation improvements, bus service, restricted development area, utilities, and the sequence of development. AL MU PL

## Fracture properties of Bruce heavy water plant hydrogen-blistered A516 Gr 70 carbon steel

by O.E. Lepik and D.W. Carpenter. Toronto : Ontario Hydro, Research Division, 1989. iv, 77 p. : ill. (Report ; no. 89-135-K). MICROLOG 90-01727 1 fiche

Study to determine the fracture properties of hydrogen-charged A516 Gr 70 carbon steel containing hydrogen-induced blister cracks to assist in establishing repair or retirement criteria for Bruce Heavy Water Plant (BHPW) blistered steel vessels. The material fracture properties were then used in a fracture mechanics assessment of hydrogen-induced blister cracking in the BHPW hydrogen sulphide absorber tower. EN ON PR PS SC

## FRAME interim report, 1988-89

Winnipeg : Manitoba Education and Training, 1989. vi, 85 p. : ill. *CSI 41107.008*. MICROLOG 90-06247 1 fiche

The Financial Reporting and Accounting in Manitoba Education System (FRAME) provides school divisions with a standardized method of accounting and financial reporting. FRAME uses a multi-dimensional accounting code structure which allows expenditures to be reported either as Operating or Capital with further sub-divisions by function covering regular instruction to Operations and Maintenance. Data for 1988 are from financial statements and Jan.-June 1989 data are contained in the final budget statements. ED MS PR ST

## A Framework for discussion on the environment

Ottawa : Environment Canada, 1990. 31, 29 p. *Bilingual (L'Environnement à l'heure de...)*. ISBN 0-662-57411-7. MICROLOG 90-06301 1 fiche

This document summarizes the issues to be addressed in The Green Plan, the federal government's environmental policy document which will be released for public comment and discussion, and outlines specific environmental problems, with options for dealing with them. Issues addressed include poverty, toxic substances, waste management, environmental emergencies, health, atmospheric change, ozone depletion, acid rain, and air pollution. CA EV SC

## The Francophone summits : a Canadian perspective -- Rev.

by F. Coulombe. Ottawa : Library of Parliament, Research Branch, 1989. 18 p. Bibliogr. (Current issue review ; 88-1E) *French ed. (Les Sommets de la francophonie...)* on the same fiche. ISBN 0-660-13400-4. MICROLOG 90-03026 1 fiche

This document discusses the Paris summit, follow-up on the Paris summit, the Quebec summit, follow-up of the Quebec summit, Canadian contribution to summit follow-up, and review and future prospects. CA CU EX

## Fraser River estuary monitoring : report on the 1988 Fish Monitoring Program

by L.G. Swain and D.G. Walton. Victoria : Fraser Port ; Province of British Columbia, 1989. xiii, 147 p. : ill. *CSI 37105 007*. ISBN 0-7726-0923-3. MICROLOG 90-00556 2 fiche

Fish were collected from 3 sites in the lower Fraser River during August 1988 and muscle tissue and livers were dissected and submitted for separate analysis. Analyses performed included metals, PCBs, chlorophenols, PAHs, phthalate esters, and organochloride pesticides. Results from this survey were compared to 2 earlier studies from 1980 and 1972/3. The data were also evaluated for water quality objectives for PCBs and chlorophenols in fish muscle tissue, and compared to data from other non-industrial sites in the province. BC EV FI PR SC

## Fraser River Estuary Workshop on Monitoring and Research : proceedings

Fraser River Estuary Workshop on Monitoring and Research (3d : 1989 : Vancouver, B.C.). Vancouver, B.C. : Province of British Columbia. Ottawa : Government of Canada, 1989. iv, 57 p. ISSN 0847-2602. MICROLOG 90-00926 1 fiche

Provides a report of the workshop which reviewed new environmental information, and scientific investigations currently under way in the Fraser River and Sturgeon and Roberts Banks. Representatives from the U.S. and Canada presented papers addressing scientific studies and the benefits of



compatible/comparable studies to better define transboundary pollution issues. It also reviewed various action plans being developed for the study area.

• BC CA EV SC

#### Fraser River Joint Advisory Board (Canada) : Annual report 1987-88

S.I. : The Board, 1988. 28 p. : ill., fold. map.  
CSI 32121.002  
MICROLOG 90-03177 1 fiche

Covers applications to the program, engineering including project design status, construction, project approvals, annual expenditures, expenditures and budget, and consultant services. It presents a map of the Lower Fraser Valley.  
BC EV PR

#### Fraser Valley Substation and Puget Sound Power and Light intertie study : proposal

Vancouver, B.C. : B.C. Hydro, External Relations Dept., 1989. 9 p. : ill. ISBN 0-7726-1037-1  
MICROLOG 90-00631 1 fiche

B.C. Hydro presently operates a high voltage transmission line corridor running generally through the Fraser Valley. The corridor has 2 500kV transmission lines and one 230kV line, with the 230kV line supplying the Fraser Valley. This corridor could be affected by the need for a new 500-230kV transformer substation to meet the growing demand for electricity in the central Fraser Valley; and a proposal by Puget Sound Power and Light Company of Bellevue, Washington, for a new transmission intertie connecting the 2 systems across the U.S./Canada border. This summary gives the rationale for the project, the regulatory approvals needed, a description of the study being done on both aspects of the project, route planning, a study schedule, and the public consultation program.  
BC EN PR PS SC

#### Frechette Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 19 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 482)  
MICROLOG 90-01094 1 fiche

Geological data inventory for Frechette Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of a geochemical survey, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

#### FRED : Fast Reference Emission Document : final report, fall 1989, v. 1

Toronto : Environment Ontario, Air Resources Branch, Emission Inventory Task Group, 1990. ii, 46 p. ISBN 0-7729-6640-0  
MICROLOG 90-06897 1 fiche

The Fast Reference Emission Document (FRED) is a compilation of data designed to provide a quick but comprehensive look at emissions of the main pollutants inventoried by various sources. FRED consists of consecutive sections for Ontario, Canada, the U.S. and North America, with the data in each section grouped under the subsections of historical trend, annual emissions, major sources and other emissions. Emphasis is placed on the 2 base years 1980 and 1985 and on SO<sub>2</sub> and NO<sub>x</sub> emissions. Complimentary tables for VOC, CO and particulates are added for the base years only.  
EV ON PR SC

#### The Free people *Otipemisiwak*, Batoche, Saskatchewan, 1870-1930

by D.P. Payment. Ottawa : Parks Canada, National Historic Parks and Sites Branch, 1990. 366 p. : ill., maps. Bibliogr. (Studies in archaeology, architecture and history)  
*French ed. (Les Gens libres...)* 90-04485/4.  
ISSN 0821-1027 ISBN 0-660-13444-6  
MICROLOG 90-04484 4 fiche

The purpose of this study is to present, on the basis of both written and oral sources, a new and more comprehensive insight into a Métis community in the North-West in the late 19th century. It focuses on the society and way of life, relations with the clergy, political action from 1873 to 1910, the economy, and land claims in the South Saskatchewan River Area.  
CA CU MS NP

#### Free trade agreement : an explanation of the regulations respecting the origin of goods for determining entitlement to the United States tariff

Ottawa : Dept. of National Revenue, Customs and Excise, 1988. 67 p.  
MICROLOG 90-01837 1 fiche

The purpose of this memorandum is to explain the requirements that must be fulfilled in order for goods exported to Canada from the United States to be entitled to the benefit of the United States tariff. In this respect, reference is made to Chapters 2 and 3 of the Canada-U.S. Free Trade Agreement, subsection 25.2 (6) of the Customs Tariff and the United States Tariff Rules of Origin Regulations (Customs Memorandum D11-4-12).  
CA CI CO EX

#### The Free Trade Deal : shall we forsake the bird in the hand?

by R.G. Lipsey and R.C. York. Toronto : C.D. Howe Institute, 1988. 8 p. Bibliogr. (Trade monitor ; no. 7) ISSN 0836-0820 ISBN 0-888-6-241-9  
MICROLOG 90-00122 1 fiche

Explains the Institute's reasons for supporting the Agreement; and discusses Canada's trading environment; the agreement and access; and the cases for and against the Agreement.  
• CA CI CO EX

#### Free trade impact analysis : the economic and load impacts of the Canada-US Free Trade Agreement

Toronto : Ontario Hydro, Economics and Forecasts Division, 1989. 73 p. : ill. Bibliogr.  
MICROLOG 90-00041 1 fiche

This document provides a brief history of Canada-US trade relations, plus a survey of other studies of the economic impacts of free trade. It also describes the overall impact of the Agreement on the economy, plus assumptions about its investment implications. In addition, it provides both a qualitative and a quantitative description of the likely effects of free trade on the main electricity consuming industries. Finally, it analyzes the impacts on electricity consumption by individual industrial sectors, and the economy as a whole.  
CI CO EN EX ON PR

#### The Freedom of Information Act : Annual report 1988

Winnipeg : Manitoba Culture, Heritage and Recreation, 1989. 12, 12 p. *Bilingual*.  
CSI 41706.004.  
MICROLOG 90-00829 1 fiche

This annual report summarizes applications received and makes observations regarding them. It also provides a table showing application processing.  
JU MS PR ST

#### Freedom to choose : the way to a more market responsive, cost effective grain handling and transportation system

see Grain handling and transportation : freedom to choose

#### The French cultural industry sector in Ontario : report

prepared by Jean-Pierre Cloutier ; for the Cultural Industries and Agencies Branch, Ministry of Culture and Communications. Toronto : The Ministry, 1990. 84, 92 p. Bibliogr. *Bilingual (Le Secteur des industries culturelles...)*. ISBN 0-7729-6609-5  
MICROLOG 90-06615 2 fiche

The commercial or industrial aspects of French cultural products are not very well known or understood from the government or the community point of view. This document reports on a research project which investigated the dimensions, needs, and potential of the French cultural products. It addresses its activities in terms of economic, cultural, and social impact.  
CU ON PR

#### French immersion statistics, 1989-90

Fredericton : Dept. of Education, Program Development & Implementation Branch, 1990. 172 p. CSI 45104.003.  
MICROLOG 90-01212 2 fiche

Presents 1989-90 statistics; enrollment per district; yearly enrollment; enrollment at each grade level for early immersion, and for late immersion; and districts information.  
AP ED PR ST

#### The French Republic's terminological decrees

Ottawa : Translation Bureau, Terminology and Documentation Directorate, 1974. viii, 103 p. (Terminology bulletin ; 155) *Bilingual (Arrêtés de terminologie...)*.  
MICROLOG 90-04742 2 fiche

On January 7, 1972 the French government established several terminology commissions with the objective of preparing an inventory of deficiencies in French vocabulary for certain fields and of proposing new terms to designate new concepts or inappropriate borrowings from foreign languages. This document presents English equivalents in alphabetical order for the 600 terms studied by the commissions.  
CA CU

#### A Frequency hopping synthesizer controller for EHF SATCOM

by C. Brochu. Ottawa : Defence Research Establishment Ottawa, 1989. xiii, 56 p. Bibliogr. (Technical note ; no. 89-29)  
MICROLOG 90-03932 1 fiche

The ground terminal simulator is one of the in-house test facilities being developed for the system and technology evaluation phase of the FASSET project. A synthesizer controller was developed using a personal computer to test the frequency hopping subsystem of the ground terminal simulator. Hardware and software components of the test system are described at the level for a user to utilize the system and at the technical level required to understand and modify the hardware and to upgrade the software.  
CA EX PS SC

#### Fréquentation scolaire au Canada et aux États-Unis : présentation de l'étude

par J.D. Pauker, J. Desnoyers et R. Pauker. Toronto : Ministère de l'éducation, 1988. v, 98 p. *L'éd. anglaise (School attendance...)*.  
90-00863/2. ISBN 0-7729-4230-7  
MICROLOG 90-00862 2 fiche



L'objet de ce document est d'organiser et de présenter les études sur la fréquentation scolaire publiées entre 1975 et 1986 pour les rendre plus accessibles aux responsables des politiques de l'éducation, aux chercheurs en éducation, aux responsables de la formation du personnel des écoles et aux enseignants. Il donne un résumé des objectifs, de la méthodologie et des conclusions de chacune de ces études, suivi des principes et des recommandations qui en découlent.  
ED ON PR

# **The Fresh fish distribution industry in Ontario : implications for B.C. fresh salmon marketing**

by G. Petersen. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. iv, 42 p. (Economic and commercial analysis report ; no. 55) ISSN 0843-5626 ISBN 0-662-17704-5  
MICROLOG 90-04881 1 fiche

Distribution channels for fresh fish appear poised to undergo a number of structural modifications as a result of changing factors in both the marketplace and the supply of fresh fish and seafood. This study represents an analysis of fresh fish and seafood distribution in the province of Ontario, focused on the distribution of fresh, farm raised salmon in general, and on B.C. salmon in particular. In-person and telephone interviews were conducted with over 25 companies and individuals at all levels of the seafood distribution industry. Three processors, 4 brokers, 2 integrated processor/wholesalers, 10 wholesalers, and 5 retail and food service buyers, all of whom serve the Ontario market, were contacted directly. In addition, a number of individuals not concerned with the Ontario market, as well as food industry consultants and fisheries officials, were contacted.  
● BC CA CF FI ON SC

# **Freshwater oligochaeta of Kamchatka and the Koryak upland**

by N.L. Sokol'skaya. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 119 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5220) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-02689 2 fiche

Paper discussing the taxonomy of the freshwater Oligochaeta of Kamchatka and the Koryak upland, as well as a discussion of the classification of the family Tubificidae and the system adopted in the paper. A key to the family and species is included, along with occurrence and distribution.  
● CA CF FI LS SC

# **Friction courses for moderate traffic highways**

by R. Raciborski, K.K. Tam and D.F. Lynch. Toronto : Ministry of Transportation, Engineering Materials Office, 1990. 28 p. : ill. Bibliogr. (Report ; EM-94) Prepared for presentation at the 1990 TRB Annual Conference. ISBN 0-7729-6755-5  
MICROLOG 90-04828 1 fiche

Report on the final evaluation of the performance of 17 bituminous test sections constructed in 1978 on Highway 7 near Lindsay, Ontario. The objective of the trial was to develop suitable surface friction course mixes for highways carrying a moderate volume of traffic (about 5000 AADT) at a posted speed limit of 80 km/h. These mixes would provide and maintain adequate levels of surface friction to reduce wet pavement skidding accidents. Both open- and dense-graded mixes were included in the evaluation. Two standard mixes were incorporated for control purposes. A specialty mix (a patented

design mix called DELUGRIP) was also placed in the trial. Aggregates used consisted of crushed gravels, local sand and screenings of various blends. Frictional properties of the test sections were measured 3 times within the first 6-year period. Samples of the surface course mixes were periodically taken for laboratory testing and a performance rating system was developed to evaluate the test sections. The system is based on the average friction number values, mix characteristics and field observations.  
ON PR PS SC TR

# **The Friedland report : a synthesis and commentary, report no. 6**

by D.W. Conklin. Toronto : Ontario Public Sector Pensions Consultations, 1988. 43 p. : ill.  
MICROLOG 90-02980 1 fiche

The report is written on the basis of section 54 of the Pension Benefits Act, 1987 which requires that pensions be adjusted to provide inflation-related increases. The purpose of the report is to recommend how section 54 should be implemented. Three volumes of research studies analyze the issues involved in implementation and investigate alternative options for implementation. Chapters 1-13 are based on these research studies, and each chapter presents the analysis and options related to a particular aspect of inflation protection. Chapter 14 presents the opinions and recommendations of the Task Force.  
CO ON PR

# **The Friedland, Rowan and Coward reports : comparisons, contrasts and commentaries**

by D.W. Conklin. Toronto : Public Sector Pensions Consultations Division, 1988. 31 p.  
MICROLOG 90-02913 1 fiche

The reports concern issues confronting the Public Sector Pensions Consultations. On many of the issues, these reports provide alternative perspectives and alternative options. This paper focuses on these issues where alternatives have been presented, and it clarifies the advantages and disadvantages of these alternative perspectives and options.  
CO ON PR

# **From studies of the structure of a species of commercial fish**

by K.Y. Batal'yants. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 15 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5403) Originally published in Russian, at Kalingrad, U.S.S.R.. ISSN 0704-3716  
MICROLOG 90-01540 1 fiche

Report showing that investigations of the structure of a species are entirely realistic when certain conditions are observed arising from conceptions of a species based on the positions of the synthetic theory of evolution and from the experience of investigations of the structure of a species in ichthyology. The report deals with division of the herring stock of the North Atlantic into several stocks represented by different forms characterized by morphological differences which can only be found in certain regions.  
● CA CF FI LS SC

# **From the bottom up : the community economic-development approach : a statement**

Economic Council of Canada. Ottawa : The Council, 1990. x, 18 p. : ill. French ed. (La Relance locale...) on the same fiche. ISBN 0-660-13597-3  
MICROLOG 90-06580 1 fiche

This document determines what community-based economic-development efforts achieve and

how the public funds that support them can be used to their best advantage. It examines the potential for using this new entrepreneurial branch of community development to deal with the continuing problem of economic stagnation in many regions of the country.  
CA CO

# **Front yard parking**

Halifax : Halifax Development and Planning Dept., 1990. 49 p. : ill.  
MICROLOG 90-03404 1 fiche

The purpose of this report is to provide an adequate amount of off-street parking in residential neighbourhoods by modifying existing regulations of front yard parking while maintaining safety to pedestrians and motorists and encouraging an aesthetically pleasing environment.  
AP MU PL

# **Fruit crops : estimated production costs, Ontario, 1989**

by E.D. McKibbin. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. v, 58 p. Bibliogr. (Economics information report ; no. 89-04) CSI 55101.007. ISSN 0708-482X  
MICROLOG 90-03357 1 fiche

This document provides fruit crop estimates using computer programs that generate budgets and crop production cost estimates.  
AG ON PR SC ST

# **Full employment is an achievable goal : a report**

presented to the Minister of Employment and Immigration ; by the Canada Employment and Immigration Advisory Council. Ottawa : The Council, 1990. ix, 48, ix, 50 p. Bibliogr. Bilingual (Le Plein emploi est un objectif...). MICROLOG 90-05873 2 fiche

This report comments on the uneven economic and employment recovery that occurred in Canada following the 1981-83 recession. It notes that there are some basic weaknesses in the economy which are aggravated by certain federal fiscal and monetary policies, particularly those resulting in high interest rates and unfavourable exchange rates. These and other impediments are preventing many regions, as well as pockets within the country's major urban centres, from participating in the post-recession recovery.  
CA LA

# **Full scale tests on the response of ice strengthened propeller blade to ice loads**

prepared for the Transportation Development Centre ; by Paul Spencer. Calgary, Alta. : Geotechnical Resources Ltd., 1989. 2 v. Bibliogr. Contents: Vol. I : Data collection report -- vol. II : Data analysis report.. MICROLOG 90-01754 9 fiche

Propellers on ice-going vessels break due to ice forces. A propeller test program consisted of loading a 2600 kg Cunial bronze blade from the Canmar Kigoriak. It was mounted on a reaction frame and 3 servo-controlled hydraulic actuators forced a 1.3 m diameter by 0.75 m thick block of fresh water ice onto the blade at speeds from 3 mm/s to 100 mm/s. The applied load (3 locations), blade strain (14 locations), blade deformation (3 locations) and local interaction pressure (5 locations) were recorded. The blade was loaded normal to its surface until permanent deformation occurred. Two tests used wood instead of ice and results were measured.  
CA PS SC TR

# **Fundamental study of HAZ corrosion : the effect of microstructure**

by S.R. Bala and T.W. Lau. Oakville, Ont. :



Welding Institute of Canada, 1988. 99 p. : ill.  
Bibliogr. CANMET contract: OSR84-00219.  
MICROLOG 90-01335 2 fiche

It is generally accepted that the corrosion of steel in neutral environments is limited by oxygen diffusion and that the composition and microstructure of a C steel has little effect on the corrosion behaviour. One form of localized dissolution that occurs in the region around a weld is known as heat affected zone (HAZ) corrosion. However, microstructure and compositional effects may be important in such localized corrosion. This is a serious problem in ice breakers in that the abrasion caused by the ice makes cathodic protection and coating schemes difficult. This program determined the effect of base plate composition and HAZ microstructure on the HAZ corrosion behaviour of C-Mn steels. Corrosion experiments were performed on actual weldments and Gleeble simulated specimens. The actual weldments were head-on-plate welds prepared using filler materials containing 3% Ni to ensure that the weld metal was more noble. By comparing Gleeble specimens and the actual weldment, the importance of microstructures could be evaluated.  
CA CM PS SC

#### Fundamental support to the development of Gulf's coal beneficiation process : final report

by B.Y.H. Wong...et al. Devon, Alta. : Gulf Canada Resources Inc., Coal Research Program, 1989. i, 134 p. : ill. CANMET contract: 79197-01-SQ.  
MICROLOG 90-02547 2 fiche

Residuum is used in the Gulf beneficiation process to seal pores and coat surfaces of thermally dried coals. Initial development of the Gulf process suggested that the level of beneficiation is dependent on the physical and chemical characteristics of the residuum. This report analyses the coal samples; characterizes 5 residuum samples for physical and chemical properties, designs, constructs, commissions, and operates a macroscale thermogravimetric analyzer (TGA simulator); studies the effect of heat treatment on residuum properties using the simulator, determines the changes in residuum properties after coal beneficiation; studies the effects of treatment medium, and residuum properties on the beneficiation of Obed and Highvale coals, characterizes the upgraded products and relates the degree of beneficiation with residuum properties, and evaluates the stability of the upgraded products.  
● CA CM EN PS SC

#### Funding sourcebook for public museums and other organizations engaged in heritage preservation

Edmonton : Alberta Culture and Multiculturalism, Historical Resources Division, Heritage Preservation Grant Programme, 1990. 43 p.  
Bibliogr.  
MICROLOG 90-05861 1 fiche

This source book provides information for programmes directly related to museums, programmes related to heritage preservation; tourism programmes, employment programmes (provincial and federal), and miscellaneous programmes. It also lists philanthropic foundations, services offered by Historical Resources Division, Alberta Culture, and Multiculturalism; and fundraising campaigns and the Public Contributions Act.  
AL CU PR

#### Fundy Region : profile

Saint John, N.B. : Fundy Region Development Commission Inc., 1990. 11 p.  
MICROLOG 90-03329 1 fiche

This document contains information on population, the business/industrial base, industrial land, transportation, energy and water, member municipalities, and the Fundy Region

Development Commission.  
AP PR

#### Fundy Region : project update

St. John, N.B. : Fundy Region Development Commission Inc., 1990. 11 p.  
MICROLOG 90-03328 1 fiche

The report provides outlines of significant projects in the Fundy Region (Charlotte, St. John and Kings counties) which may have economic and/or social impacts on the area.  
AP CO MU PR

#### Furbearer carcass analysis and species status in Manitoba : five year summary, 1984-89

by C.S. Johnson. Winnipeg : Manitoba Natural Resources, Wildlife Branch, 1990. iv, 45 p.  
Bibliogr. (Manuscript report ; no. 90-02)  
MICROLOG 90-04949 1 fiche

Between 1984 and 1989, 4,957 carcasses of 15 species of furbearers were analyzed, mostly from west central Manitoba. Cementum analysis, radiographs and bacula measurements were compared for reliability as aging methods. The biological age/sex data and ratios gathered were used in conjunction with trapper questionnaires/species index results and fur sales records each year to estimate the status/relative status of furbearing species. The results are particularly important for the highly vulnerable and exploitable species such as lynx, fisher, and marten.  
LS MS PR SC

#### Further characterization of Plymouth Mn deposit, New Brunswick

by G.C. Roberts and J.D. Prince. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1990. ii, 362 p. Bibliogr. (Open file report ; 90-4) ISSN 0712-4562  
MICROLOG 90-03192 4 fiche

Evaluation of the Plymouth manganese-iron deposit, including a clear definition of the grades of manganese and iron present; an accurate estimate of all associated elements, a definition of the boundaries; a geological and structural interpretation; an evaluation of the deposit at depth; the provision of tonnage figures of the proven, probable and possible ore reserves, and the development of a 3-dimensional model. The project was divided into bulk sampling and trenching, core drilling, and a sample analysis.  
AP NR PR PS SC

#### Further development of shipboard fibre optic standards

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by J.S. Mayich. Dartmouth, N.S. : Focal Technologies Inc., 1989. vi, 12 p.  
MICROLOG 90-04093 1 fiche

Draft standards for the use of fibre optic technology on ships were developed on a previous project, based on a field test aboard the icebreaker CCGS Louis S. St. Laurent while on operational duties. The objective of this project is to promote, and foster the adoption of, these shipboard fibre optic standards through work with the Society of Naval Architects and Marine Engineers and the International Electrotechnical Commission. To promote the adoption of the Canadian draft standards, the activities of these organizations were surveyed and those which are active in addressing shipboard standards in a timeframe consistent with the project were selected.  
CA PS SC TR

#### Further investigation of the validation of procedures for estimating instantaneous road load : final report

prepared for Transport Canada, Road Safety

and Motor Vehicle Regulations Directorate ; by W.R. Davis Engineering Limited. Ottawa : Transport Canada, Road Safety, 1989. 35 p. : ill.  
MICROLOG 90-05202 1 fiche

Project to perform additional analysis on the procedures for estimating the instantaneous road load on passenger vehicles. The results of previous work using the data acquisition system and including the instantaneous road load measuring system and the gradient measuring system was reviewed and found to contain unacceptable high velocity and road load fluctuations. The total road load as determined using the gradient system was different than the total road load as measured with the wheel torque transducer system. A method for determining the causes for these differences was developed and a test program undertaken to verify the determined causes.  
CA SC TR

#### Further laboratory studies of friction in TFE slide surface of a bridge bearing

by T.I. Campbell and M.J. Fatemi. Toronto : Ministry of Transportation, Research and Development Branch, 1989. iii, 25 p. : ill. Bibliogr.  
MICROLOG 90-05582 1 fiche

Tetrafluoroethylene (TFE) is used to provide sliding surfaces in bridge bearings because of its low friction properties, chemical inertness and resistance to water absorption and weathering. Current design requirements are based largely on practices in Ontario and Europe. To refine the requirements, a research project was undertaken, of which this is Phase II. This report summarizes the results from Phase I, then addresses the repeatability of the test data, the reduction of the initial coefficient of friction, contamination of the lubricant, and the eccentricity of loading.  
ON PR SC TR

#### Fusarium yellows of celery

by R.F. Cerkaskas and M.R. McDonald. Toronto : Ministry of Agriculture and Food, 1989. 3 p. : ill. (Factsheet) ISSN 0225-7882  
MICROLOG 90-05343 1 fiche

Fusarium yellows of celery is caused by a soil-borne fungus which causes disease symptoms only on celery and which may result in serious yield and quality losses in infested fields. This pamphlet explains the symptoms, methods of disease spread, sources of infection and overwintering, and control.  
AG ON PR SC

#### Les Fusionnements et la concentration

par A. Jackson et F. Poschmann. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 49 p. : ill. (Etude générale ; BP-192F) ISBN 0-660-92697-0  
MICROLOG 90-04236 1 fiche

Afin de fournir un cadre pour l'analyse de quatre industries, la première partie de ce document précise les rôles que la concurrence peut et ne peut pas jouer pour ce qui est d'assurer l'efficacité économique. La deuxième partie définit les différents types de fusionnements. Les quatre parties qui suivent situent dans le contexte historique de la concurrence et de l'efficacité les récentes propositions de fusionnements dans les industries de l'aviation, des brasseries, du pétrole et des pâtes et papiers. Le document traite ensuite du niveau de concentration au Canada et se termine par un examen des répercussions des fusionnements et de la concentration sur la politique publique au Canada.  
CA CI CO EX



### Future directions for agricultural development on Crown land in British Columbia : a public discussion paper

Victoria : Ministry of Crown Lands, 1990. 28 p.  
MICROLOG 90-03062 1 fiche

In June 1989, the government initiated a review (the Gillespie Inquiry) of its longstanding program for providing vacant Crown land for agricultural development. Recommendations were tendered in November 1989. This discussion paper represents the government's response to the recommendations, and proposes directions for revising government policy. Recommendations covered such areas as the scope of the Agricultural Lease Program, methods of issuing such leases, the price of timber, enforcement, rental and purchase arrangements, the basis for decision making, and amendments to the Land Act.  
AG BC PR PW SC

### Future directions for health care in Saskatchewan

Regina : Saskatchewan Commission on Directions in Health Care, 1990. 300 p. : ill. Bibliogr. Summary (20 p.) laid in.  
MICROLOG 90-04337 4 fiche

This document presents information on principles for change, a consumer-controlled health care system, new thrusts for institutions, new approaches for the health professions, provincial programs in a new system, better health for northern residents, and commentaries on health care issues.  
HE MS PR

### Future directions for urban social planning in Canada

by G. Drover and J.D. Hulchanski. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1987. 20 p. Bibliogr. (Discussion paper : no. 11) ISSN 0828-2439  
MICROLOG 90-05484 1 fiche (Available on fiche only)

Presents an outline for future directions taking into account the growth of the welfare state, alternative economic developments and urban demographic trends.  
BC PR SA

### Future Issues in Policing : symposium proceedings

edited by Donald J. Loree. Ottawa : Canadian Police College, 1989. iv, 218 p. : ill. Bibliogr. ISBN 1-662-17342-2  
MICROLOG 90-04468 3 fiche

This publication contains the papers presented at the symposium as well as brief resumes of working groups' discussions.  
• CA JU

### The Future of the Toronto Island Airport, the issues : a report

Royal Commission on the Future of the Toronto Waterfront (Canada). Toronto : The Commission, 1989. 90 p. : ill., maps. Bibliogr. (Report : 7) French ed. (*L'Avenir du Toronto...*) : 90-05939/2. ISBN 0-662-17067-9  
MICROLOG 90-05433 1 fiche

One of a series of reports from the Commission, this report focuses on issues

associated with the Toronto Island Airport. The report examines matters involving the airport and related transportation services, and develops strategic opinions to deal with aviation needs, the needs of the travelling public, and the overall interests of all users of Toronto's waterfront. The report describes the history of Island Airport, its relationship to the Toronto airport system and its regional role, the technical operations, access to the airport, the regulatory environment, the management, environmental issues, and operational safety. Hearings conducted by the Commission are summarized and recommendations are given on the role of the airport, access and parking, noise, safety, and management.  
CA MU ON PL SC TR

### Futures markets : agricultural marketing 1

Toronto : Ministry of Agriculture and Food ; Guelph, Ont. : University of Guelph, 1989. i, 30 p. : ill. ISBN 0-7729-6472-6  
MICROLOG 90-04771 1 fiche

This document explains how the futures markets function, how futures prices can be charted, and what various chart formations mean.  
AG ON PR

### Gaining support for British Columbia's gypsy moth wars, 1978-88 : a case study in public relations

by W.A. Cram. Victoria : Ministry of Forests and Lands, 1989. 35 p. : ill., maps. Bibliogr. (Pest management report : no. 12) ISSN 0710-7935 ISBN 0-7718-8888-0  
MICROLOG 90-02644 1 fiche

This document provides information on the flight of the gypsy moth; the season of discontent: 1978-79; gypsy moth control substances; local involvement; and Mark Harvey, Canada's first gypsy moth co-ordinator.  
BC FO PR

### Galicia and Bukovina : a research handbook about western Ukraine, late 19th and 20th centuries

by J.-P. Himka. Edmonton : Alberta Culture and Multiculturalism, Historical Resources Division, 1990. xvii, 215 p. : ill., maps. Bibliogr. (Occasional paper : no. 20)  
MICROLOG 90-05846 3 fiche

This document is concerned with geography, with the emphasis on administrative territorial divisions and their changes over time. It provides a brief overview of the government and administration in Galicia and Bukovina at the provincial and communal levels, and the most important published sources to social and local history. It also presents an introduction to libraries and archives with major holdings in West Ukrainian documentation in North America. Western and Eastern Europe, and the Soviet Union. It includes two chapters which deal with technical matters, metrology, and numismatics, such as weights and measures, and currency. Both chapters contain multilingual glossaries. The final chapter is a bibliography listing other relevant bibliographies, works relating to all the topics covered in the document, and works on Bukovina.  
AL CU EX PR

### Galvanonarcotic tank for measuring and weighing eels

by P. Lamarque. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 6 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5441) Originally published in French. ISSN 0704-3716  
MICROLOG 90-00613 1 fiche

While most fish are relatively easy to measure and weigh, this is not the case with eels because of their continual contortions. With these fish, it is common practice to use anesthetics, but there are a number of drawbacks to the use of these drugs. As a result, the I.N.R.A. Census Methodology Laboratory developed a galvanonarcotic tank for the quick and easy measurement of eels. The main characteristics of this tank are described in this paper.  
• CA CF FI LS SC

### Garden suites demonstration : national survey, vol. I : detailed findings

submitted by: Gallup Canada, Inc. Ottawa : Canada Mortgage and Housing Corporation, Research Division, 1989. ix, 134 p. : ill  
MICROLOG 90-03797 3 fiche

This document identifies the total potential market for garden suites, examining in turn the overall size of potential markets, the socio-demographic profile of the consumer and the level of product awareness. It also reviews the likelihood of use and preferred location of garden suites, assesses the reaction to garden suite designs from general impressions to design preferences, and outlines the specialized needs of occupants. Finally, it examines the price sensitivity of garden suites, discussing the preferences for buying and renting.  
CA SA

### Gardons l'océan propre

voir Loi sur l'immersion de déchets en mer : Rapport annuel 1987-88

### Gas Technical Symposium

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1966. 12 p. (Report : FMP 66/142-PRE)  
MICROLOG 90-04550 1 fiche

Brief comments on 29 papers covering many different aspects of gas technology presented at the congress  
• CA CM EN PS SC

### Gasification of Canadian coals using pilot plant pressurized gasifier

TransAlta Utilities Corporation. Calgary, Alta. : The Corporation, 1989. iii, 129 p. : ill. Bibliogr. CANMET contract: 79134-02-SQ.  
MICROLOG 90-00181 2 fiche

To improve the background database on the gasification of Canadian coals, bench scale gasification tests were carried out at the University of British Columbia using their pressurized fluid bed gasifier. One Canadian sub-bituminous coal, 3 Canadian bituminous coals and 1 American bituminous coal, for comparison purposes, were used as feedstocks. The tests established the effects of air/coal ratio, temperature and operating pressure on gas heating value, gas yield, carbon conversion, cold gas efficiency and other performance indicators.  
• BC CA CM EN PS SC

### GATT : from the Tokyo Round to the Uruguay Round

by F. Stone. Ottawa : Institute for Research on Public Policy, 1988. 49 p. Bibliogr. (Discussion paper in international economics ; 8803)  
MICROLOG 90-02190 1 fiche



Covers the GATT work program 1982-84; trade in agricultural products; quantitative restrictions and other non-tariff measures; trade in textiles and clothing; dispute settlement procedures; trade in natural resource products; regional trade arrangements; organization of the negotiations; and developing countries in the Uruguay Round.  
• CA CO

# **Le GATT : la onzième heure pour l'article XI? -- Rev.**

par J.-D. Fréchette. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 19 p. Bibliogr. (Bulletin d'actualité : 89-7F) L'éd. anglaise (GATT : the eleventh hour...) sur la même fiche. ISBN 0-660-92933-3 MICROLOG 90-05353 1 fiche

Bon an mal an, au Canada, les printemps voient éclore des débats sur les politiques agricoles. Ce document vise à permettre au lecteur de mieux s'y retrouver dans la confusion actuelle. Pour ce faire, on s'appuie strictement sur les impacts économiques probables des décisions prises, en faisant abstraction des choix politiques qui ont pu les motiver. Dans cette optique, l'article XI du GATT est présenté comme la pièce maîtresse du puzzle des politiques agricoles intérieures et commerciales des pays producteurs.  
• CA PA SC

# **GATT : the eleventh hour for article XI? -- Rev.**

by J.-D. Fréchette. Ottawa : Library of Parliament, Research Branch, 1989. 17 p. Bibliogr. (Current issue review : 89-7E) French ed. (Le GATT : la onzième...) on the same fiche. ISBN 0-660-13557-4 MICROLOG 90-05353 1 fiche

During the GATT mid-term negotiations, various member countries signed an agreement which set out some long-term objectives and provided short-term measures to achieve them. The Canadian government's sudden calling into question of many Canadian agricultural policies provoked a general outcry from agricultural organizations. This document is intended to clarify the current situation. It is based strictly on the probable economic impacts of the decisions made.  
• CA CI CO EX

# **Gaz et vapeurs d'agents anesthésiques**

par J.T. Purdham. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1986. 24 p. Bibliogr. ISBN 0-660-92187-1 MICROLOG 90-02972 1 fiche

Ce document présente le résumé des conclusions que l'on peut tirer d'un large éventail de travaux de recherche entrepris jusqu'à ce jour pour déterminer quels sont les effets possibles de l'exposition aux gaz anesthésiques sur la santé, et faire connaître les différents moyens dont on dispose pour réduire le plus possible cette exposition. Le document examine particulièrement les effets défavorables sur la reproduction; les niveaux d'exposition typiques; les normes et les lignes directrices en matière d'exposition; et, les méthodes de limitation de l'exposition.  
• CA EV HE LA SC

# **Gazetteer of Canada : Newfoundland -- 2d ed.**

Ottawa : Canadian Permanent Committee on Geographical Names, 1983. xvi, 196 p. : maps. Bilingual (Répertoire géographique du Canada...). Fold. maps not filmed. ISBN 0-660-52191-1 MICROLOG 90-00013 3 fiche

This volume contains 23,000 entries of names of populated places, rivers, lakes and other cultural and natural features in the province, including those in Labrador. Although this

edition does not contain a section on names of Saint-Pierre and Miquelon (as did the first edition), it does include names of various undersea features close to Newfoundland's shores. English and French names are listed alphabetically and according to local usage. A glossary of generic terms is included.  
• AP CA PS SC

# **Gazetteer of Canada : Northwest Territories**

Ottawa : Canadian Permanent Committee on Geographical Names, 1980. xiv, 184 p. : maps. Bilingual (Répertoire géographique du Canada...). Fold. maps not filmed. ISBN 0-660-50466-9 MICROLOG 90-00014 3 fiche

This volume is the first comprehensive record of official geographical names in the Northwest Territories and contains over 11,000 entries. Separate alphabetical listings are provided for communities and localities, and physical and cultural features. All names are shown in the language and form approved by the Canadian Permanent Committee on Geographical Names. A glossary of generic terms is included.  
• CA NO PS SC

# **Gazetteer of Canada : Nova Scotia -- 2d ed.**

Ottawa : Canadian Permanent Committee on Geographical Names, 1977. xiv, 477 p. Bilingual (Répertoire géographique du Canada...). ISBN 0-660-01674-5 MICROLOG 90-00002 6 fiche

List of names of populated places, rivers, lakes and other cultural and natural features approved by the Committee. English and French names are listed alphabetically and according to local usage. A glossary of generic terms is included.  
• AP CA PS SC

# **Gazetteer of Canada : Prince Edward Island -- 3d ed.**

Ottawa : Canadian Permanent Committee on Geographical Names, 1990. xvi, 36 p. : maps. Bilingual (Répertoire géographique...). Fold. maps not filmed. ISBN 0-660-54845-3 MICROLOG 90-04996 1 fiche

Gazetteer including some 1,900 names of populated places, rivers, lakes and other cultural and natural features in the form approved by the Canadian Permanent Committee on Geographical Names. In addition, rescinded names are included, as are formerly approved names, cross referenced to their current forms. Each name is identified by lot number, county, map/chart area, and latitude and longitude. A glossary of generic terms and detailed information on establishing of names are included also.  
AP CA PS SC

# **Gear types, seasonal distribution of effort, and bycatch of the smelt fishery in the southern Gulf of St. Lawrence**

by D.K. Cairns. Moncton, N.B. : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1989. v, 20 p. : ill., maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1668) ISSN 0706-6457 MICROLOG 90-01778 1 fiche

The smelt fishery in the southern Gulf of St. Lawrence is a significant part of the economy of the Maritime provinces and eastern Quebec. The revenue from the smelt fishery is particularly important to many people because smelts are caught in the fall and winter, when there is little income from other fisheries. This report presents results of a questionnaire sent to holders of smelt licences in the southern Gulf to gain basic information on the distribution of smelt fishing effort in the area, the timing of the fishery, and the type of gear used. An

important additional objective was to learn about the bycatch of other species in smelt gear, particularly that of juvenile Atlantic herring. Bycatch of blueback herring and alewives was also investigated.  
• AP CA CF FI SC

# **Gel permeation chromatography in the field of petroleum chemistry**

by H.H. Oelert. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 19 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5201) Originally published in Slovak, in Czechoslovakia. ISSN 0704-3716 MICROLOG 90-02708 1 fiche

Description of the use of gas chromatography in petroleum chemistry, including the principles involved and various examples of application.  
• CA CF EN PS SC

# **Gendarmerie royale du Canada. Comité externe d'examen : Rapport annuel 1989-90**

Ottawa : le Comité, 1990. 41, 39 p. Bilingue. CSI 22279.004 ISBN 0-662-57523-7 MICROLOG 90-06611 1 fiche

Ce document présente le rapport annuel du Comité externe d'examen de la Gendarmerie royale du Canada pour l'année financière 1989-1990. Il se penche particulièrement sur les points suivants : les relations avec la Gendarmerie; les cas; le programme de recherche; le pouvoir de convoquer des audiences et de donner des directives; le classement rationnel du contenu des dossiers sur les griefs; le droit d'établir un syndicat à la GRC; le séminaire sur la gestion des ressources humaines policières; et, la table de jurisprudence et de législation citées.  
CA JU

# **Gendarmerie royale du Canada. Commission des plaintes du public : Rapport annuel 1989-90**

Ottawa : la Commission, 1990. xvii, 120, xvii, 114 p. : ill. Bilingue. CSI 22333.001. ISBN 0-662-57337-4 MICROLOG 90-05722 3 fiche

Ce document est le deuxième rapport annuel du président de la Commission. Il s'agit du premier document à porter sur une période d'activités complète de 12 mois aux termes de la Partie VII de la Loi sur la GRC. Il se penche particulièrement sur le mandat et l'organisation; l'expérience des plaintes; les préoccupations et les questions en ce qui concerne le besoin de réforme; et, l'évolution du contexte politique.  
CA JU ST

# **Gendarmerie royale du Canada. Division 'J' (N.-B.) : Rapport annuel 1988**

Fredericton : la Division, 1989. 21, iii, 21 p. Bilingue. CSI 46139.001. MICROLOG 90-00742 1 fiche

Document présentant le rapport annuel de la Gendarmerie royale du Canada au Nouveau-Brunswick. On y aborde les points suivants : l'organigramme de la Division 'J'; un aperçu de l'organisation des centres de décision divisionnaires; la répartition du personnel dans la Division; l'organisation; les territoires des sous-divisions de la Division 'J'; les statistiques sur les délits; un aperçu de l'activité criminelle; les services de soutien; l'administration divisionnaire; et le Service divisionnaire de l'intendance.  
AP CA JU ST



# Gendarmerie royale du Canada. Division 'J' (N.-B.) : Rapport annuel 1989

Fredericton : la Division, 1990. iii, 23, iii, 21 p.  
Bilingue. CSI 46139.001.  
MICROLOG 90-06066 1 fiche

Rapport annuel de la Gendarmerie royale du Canada, Division 'J', Nouveau-Brunswick. Fait le bilan des activités et des réalisations des différents services de la Gendarmerie: enquêtes générales, identité, polygraphie, sections canines, détachement aérien, délits commerciaux, police auxiliaire, récupération sous-marine, groupe tactique d'intervention, équipes anti-émeutes. Inclut aussi un aperçu de l'activité criminelle à l'intérieur des limites de la Division 'J'.  
AP CA JU ST

# Gendarmerie royale du Canada. Service des laboratoires judiciaires : Revue annuelle 1988

Ottawa : la Direction, 1989. 72, 72 p. : ill.  
Bibliogr. Bilingue. CSI 22279.003. ISSN  
0840-5514 ISBN 0-662-57117-7  
MICROLOG 90-02583 2 fiche

Ce document présente la Revue annuelle de la Direction du service des laboratoires judiciaires de la Gendarmerie royale du Canada pour l'année 1988. Cette dernière est un service de police national voué à l'exécution de la loi, à la prévention du crime et au maintien de la paix, de l'ordre et de la sécurité. Le document donne des renseignements sur les différents rapports du laboratoire judiciaire, puis se penche sur les faits saillants de la Direction.  
• CA JU

# The Genera of larval midges of Canada, Diptera : Chironomidae

by D.R. Oliver and M.E. Roussel. Ottawa : Dept. of Agriculture, Research Branch, 1983. 263 p. : ill. Bibliogr. (The Insects and arachnids of Canada : pt. 11) ISSN  
0706-7313 ISBN 0-660-11385-6  
MICROLOG 90-00009 3 fiche

Publication on the larval midges of Canada, including an extensive section on anatomy to assist the non-taxonomist in identifying larvae, and general sections on classification, biology, and collecting, preserving, and preparing. The publication gives keys for the identification of the last larval stage of 123 of the 133 general Chironomids known to occur in Canada. In addition, each genus has been provided with a brief description and notes on its geographic distribution and habitat. Where possible the keys and descriptions are based on specimens associated with adults, as the taxonomy of Chironomids is largely based on the adult male. Specimens on which this publication are based come primarily from central Canada, the Canadian northwest, and the islands of the Arctic Archipelago. Limited larval material was available from the Atlantic Provinces, the Prairie Provinces, British Columbia, and southern Yukon.  
CA LS SC

# A General branch and cut procedure for stochastic integer programs

by G. Laporte and F.V. Louveau. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 21 p. Bibliogr. (Publication ; no. 683)  
MICROLOG 90-04331 1 fiche

Paper showing that a general branch and cut procedure, first proposed by Laporte, Louveau and Mercure in the context of a particular vehicle routing problem, provides an exact algorithm for a large class of stochastic integer problems. The paper reviews the definition of 2-stage stochastic linear programs with recourse, provides a simple taxonomy for the various types of stochastic integer programs; presents

one example of an application, the stochastic vehicle routing problem; presents the general branch and bound procedure with definitions needed to prove its finite convergence; gives a full study of the application of the branch and cut procedure to the various classes of stochastic integer programs; and concludes with examples using the vehicle routing problem application.  
PR PS QU SC TR

# A General equilibrium analysis of the Canadian-United States bilateral trade agreement

by R.A. Muller and J.R. Williams. Ottawa : Economic Council of Canada, 1989. xi, 154 p. : ill. Bibliogr. (Discussion paper ; no. 364) ISSN 0225-8013  
MICROLOG 90-00966 2 fiche (Available on fiche only)

The paper constructs a general equilibrium model of 92 commodities and 43 industries and then simulates the effects of the Free Trade Agreement on Canada's relative costs and prices, exports, real wages, output and employment.  
CA CI CO EX

# General meeting of BIOMINET : proceedings

edited by R.G.L. McCready. Ottawa : Energy, Mines and Resources Canada, Canada Centre for Mineral and Energy Technology, 1990. iii, 126 p. : ill. Bibliogr. (CANMET special publication ; SP89-9) CSI 22109.011. ISBN  
0-660-13624-4  
MICROLOG 90-07110 2 fiche (Available on fiche only)

Technical papers given by BIOMINET members at the 1989 general meeting, covering uranium bioleach solutions, acid mine drainage research, degradation of ethylene glycol, neutralization of acid mine drainage, arsenic and mercury in abandoned gold mine tailings, and the development of an adsorbing fungal biomass for the production of uranium.  
CA CM EV NR SC

# General review statement : environmental impact assessment of a proposal by N.B. Power to construct and operate a 400 MW combustion turbine generating station at Millbank, N.B.

Fredericton : Environment New Brunswick, 1990. 5, 5 p. Bilingual (Déclaration de révision générale...).  
MICROLOG 90-06518 1 fiche

This statement summarizes the results of a review of an environmental impact assessment of a proposal by NB Power to construct and operate a combustion turbine generating station at Millbank, N.B. The statement reviews the methodology of site selection and the significant issues of impacts of gaseous emissions, power transmission, operating noise, social needs, accidental spills, groundwater consumption, construction activities, and fuel delivery.  
AP EN EV PR SC

# Générateur d'itinéraires d'enlèvement de la neige

par J. Gilbert. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 76 p. Bibliogr. (Publication ; no. 648) (Publication ; no. 695)  
MICROLOG 90-01404 1 fiche

Le travail de déneigement comprend les opérations de déblaiement, de chargement et de transport de neige. Il ne doit être effectué qu'aux endroits où la Ville est tenue de le faire et ce, dans les délais prescrits. Le déneigement doit être fait complètement sur toutes les rues visées par le contrat en enlevant toute la neige accumulée des deux côtés en bordure de chaque rue. Dans ce

mémoire, on s'intéresse à l'opération de chargement. Cette opération comprend l'enlèvement mécanique de toute la neige accumulée sur les trottoirs et la chaussée et s'il y a lieu, sur les terres-pleins et les mails qui les séparent. L'opération est généralement exigée pour les accumulations de plus de cinq centimètres de neige provenant d'une ou de plusieurs précipitations.  
EV PR PW QU SC

# Les Gens libres Otipemisiwak, Batoche, Saskatchewan, 1870-1930

par D.P. Payment. Ottawa : Environnement Canada, Service des Parcs, Direction des lieux et des parcs historiques nationaux, 1990. 378 p. : ill., cartes géogr. Bibliogr. (Etudes en archéologie, architecture et histoire) L'éd. anglaise (The Free people...) : 90-04484/4  
ISSN 0821-1035 ISBN 0-660-92835-3  
MICROLOG 90-04485 4 fiche

Le but de ce document est de présenter, en se basant sur des sources écrites et orales, un profil nouveau et plus global d'une communauté métisse dans le Nord-Ouest, à la fin du XIXe siècle. Il porte sur la société et le mode de vie; les relations avec le clergé; l'action politique; l'économie; et, les réclamations de terres dans la région de la rivière Saskatchewan-Sud.  
CA CU MS NP

# The Genus chaetogaster baer Oligochaeta, Naididae

by V.P. Semernoi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 20 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5287) Originally published in Russian, by Nauka Publishers at Novosibirsk, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-02128 1 fiche

Description of oligochaetes collected in July 1982 on the littoral and sublittoral of northern Lake Baikal and in Maloe More Sound. Samples were taken with a bottom trawl from a ship and the washed-off soil was scanned partially or completely under an MBS-1 binocular microscope. Over 10 forms of the genus Chaetogaster unknown for Lake Baikal were discovered, of which 9 species and 1 subspecies were new to science.  
• CA CF FI LS SC

# Genus Vej dovskyella Michaelsen, 1903 : 1. Vej dovskyella dilucida sp. n.

by L.N. Snimshchikova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 3 p. (Canadian translation of fisheries and aquatic sciences ; no. 5432) Originally published in Russian, by Nauka, at Novosibirsk, USSR. ISSN 0704-3716  
MICROLOG 90-00622 1 fiche

Description of the genus Vej dovskyella Michaelsen, its occurrence and a detailed description.  
• CA CF FI LS SC

# Geochemical analyses of bulk stream sediment samples from northern Nova Scotia

by R.F. Mills. Halifax : Dept. of Mines and Energy, 1989. i, 368 p. maps. Bibliogr. (Open file release ; 89-007) Fold. maps not filmed  
MICROLOG 90-03335 8 fiche

In 1986 and 1987 a regional stream sediment survey was carried out on northern mainland Nova Scotia and on Cape Breton Island to provide new geochemical data on stream water and two fractions of stream sediment to investigate the potential for gold mineralization in the northern half of Nova Scotia, an area largely unexplored for precious metals. Approximately 3300 stream sediment samples, including duplicates, were analyzed for 31



elements in the coarse (-60 plus 230) heavy mineral separate fraction, and 16 elements in the fine (-230) fraction, resulting in approximately 152,000 different elemental analyses. Some of these analyses are supplemented with fire assay analyses for gold. Stream waters were analyzed for uranium and fluorine; conductivity and pH measurements were taken in the field. The report consists of tables of the analysis of the stream sediments and their related water samples, field card data files, sample location maps, combination symbol and contour map plots for fine fraction gold, and the accompanying text.  
AP NR PR PS SC

### Geochemistry of Grenville marble in southeastern Ontario

by W.T. Grant, V.C. Papertian and P.W. Kingston. Toronto : Ontario Geological Survey, 1989. x, 266 p. : ill., maps. Bibliogr. (Ontario Geological Survey mineral deposits circular ; 28) *Fold. maps not filmed.* ISSN 0706-4551 ISBN 0-7729-5444-5 MICROLOG 90-01872 3 fiche

Summary of the results of a 3-year investigation of the geology and geochemistry of Grenville marble in southeastern Ontario. This material is a source of building stone, crushed stone, terrazzo chips, poultry grit, lime, and magnesium metal. The report identified areas of high-purity marble suitable as an industrial mineral source; assessed the variability, both geochemically and geologically, of marble; and determined regional calcium/magnesium trends within individual marble belts as a guide to industrial mineral and base-metal mineralization. Emphasis was placed upon the rapid chemical analysis of a large sample population. As a follow-up, areas containing high-purity marbles, as indicated by regional samples, were mapped in detail to better define the extent of the high-purity marble. Exactly 1912 samples were collected from lithologically homogeneous marble units and these samples were chemically analyzed for up to 28 elements, plus loss on ignition.  
NR ON PR PS SC

### La Géographie du Canada

par P. Villeneuve. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 24, 22 p. Bibliogr. (Guides pédagogiques des études canadiennes) *Bilingue (Canadian geography).* ISBN 0-662-56213-5 MICROLOG 90-01561 1 fiche

Ce guide porte sur la géographie du Canada et fait partie d'une collection de sept ouvrages. Il a été rédigé par un éminent spécialiste et comporte un exposé préliminaire, des observations sur les principaux travaux et une liste de lectures recommandées.  
CA NR PS SC

### The Geological and engineering classification of Nepean sandstone

by B. Gorski. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. vii, 201 p. : ill. Bibliogr. (Report ; MRL 89-118(Tr)) MICROLOG 90-02554 3 fiche

A rock substance may be classified differently for age, mineralogy, physical and mechanical properties depending on the scientific discipline involved in the study. Geologists, mining, and civil engineers require certain information about a rock substance for different reasons. This study brings together methods of rock classification based on geological and engineering properties using Nepean sandstone. This material is readily available and sufficient data exists to compare it with the test results of the study.

• CA CM NR ON PS SC

### Geological Association of Canada, Mineralogical Association of Canada, Joint Annual Meeting, field trip 10 : sedimentology and palaeontology of the Upper Cretaceous Judith River/Bearpaw Formations at Dinosaur Provincial Park, Alberta

by E.H. Koster...et al. Ottawa : Geological Association of Canada, 1987. 130 p. : ill., maps. Bibliogr. (Occasional paper of the Tyrrell Museum of Palaeontology ; no. 4) MICROLOG 90-06713 3 fiche

This paper describes the Dinosaur Provincial Park, its location and access and its regional geology; presents an analysis of the sedimentary facies; and describes the paleontology of the area.

• AL CA PS SC

### Geological fieldwork, 1989 : a summary of field activities and current research

Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1990. 535 p. : ill., maps. Bibliogr. (Paper ; 1990-1) CSI 37104 007. ISSN 0226-9430 MICROLOG 90-05834 6 fiche

This annual report of fieldwork conducted by the Branch is divided into regional and district mapping, applied geochemistry, and studies on mineral deposits, mafic-ultramafic rocks, coal, and industrial minerals. Research projects in these areas include isotopic dating, fluid inclusion studies, depositional controls in placer gold deposits, platinum geochemistry, palynological dating and the potential for using zeolites to increase the solubility of phosphate rock and permit direct application of low-grade phosphorite in agriculture.  
BC NR PR PS SC

### Geological Survey of Canada radiocarbon dates XXVIII

collated by R. McNeely. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 93 p. Bibliogr. (Paper ; 88-7) ISSN 0068-7650 ISBN 0-660-13316-4 MICROLOG 90-02345 2 fiche

This publication includes all of the samples that have been dated more than 5 years ago and not published in a date list. The presentation of dates within each section or subsection of the text are ordered from east to west, and include New York State, Michigan and Alaska as well as Canada.  
CA NR PS SC

### Geology and coal resources of the Dominion Coal Block, southeastern British Columbia

by D.A. Grieve and W.E. Kilby. Victoria : Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1990. iv, 49 p. : ill., maps, fold. map. Bibliogr. (Paper ; 1989-4) *Appendix 2 on floppy disks.* ISSN 0226-9430 ISBN 0-7718-8895-3 MICROLOG 90-06719 1 fiche

Summary of available geological and coal quality information in the Dominion Coal Block. Newly developed computer models of the geology of the Coal Block are presented, along with resource calculations derived from the models. Resources are detailed for parcels 73 and 82 (Flathead Ridge and Mount Taylor). Appendices provide a program manual and descriptions of the various programs.  
BC NR PR PS SC

### Geology and mineral evaluation of Kokanee Glacier Provincial Park, southeastern British Columbia (82F/11, 14)

by D.A. Brown and J.M. Logan. Victoria : Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1989. 47 p. : ill., maps. Bibliogr. (Paper ; 1989-5) *Fold. maps not filmed.* ISSN 0226-9430 ISBN 0-7718-8889-9 MICROLOG 90-01759 1 fiche

Kokanee Glacier Park covers about 305 sq km within the Selkirk Mountains of southeastern B.C. It was established in 1922 over an area that had already undergone more than 2 decades of mineral exploration and mine development. In 1973 a general moratorium on mineral exploration in parks was established, but government's desire to resolve the conflict between recreational and mineral values led to the area being included in the 1985/86 Wilderness Advisory committee study. This committee recommended that the rectangular boundaries of the park be rationalized, based on an adequate assessment of park and resource values. A mineral potential study of the park and recreation area additions located outside the original rectangle were undertaken in 1987/88. This study identified the types and sizes of mineral deposits in the area and determined where the greatest potential lay for locating new deposits. This report provides valuable data and interpretations to assist exploration in the new recreation area additions and other adjacent areas.  
BC NR PR PS SC

### Geology and resource potential of a proposed national marine park, Lancaster Sound, Northwest Territories

by D.R. Smith, R.J. Gowan and M. McComb. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. iii, 52 p. : ill., maps. Bibliogr. (Open file ; 2022) MICROLOG 90-01193 1 fiche

The proposed national marine park in Lancaster Sound is located within one of the least explored areas on Canada's frontier lands. As part of a feasibility assessment, the non-renewable natural resource potential of the proposed park area was examined. This report describes that potential of the proposed marine park in Lancaster Sound at the eastern entrance to the Northwest Passage in Arctic Canada. This initial assessment is based on available geoscience information and covers the potential for mineral, hydrocarbon and surficial resources.  
CA CU NO NR SC

### The Geology of gold prospects in the North Caribou Lake Greenstone Belt, District of Kenora, Northwestern Ontario

by D.W. Piroshco, F.W. Breaks and I.A. Osmani. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xxv, 94 p. : ill., maps. Bibliogr. (Ontario Geological Survey open file report ; 5698) *Fold. maps not filmed.* ISSN 0826-9580 ISBN 0-7729-4927-1 MICROLOG 90-02004 2 fiche

The North Caribou Lake Greenstone Belt has, since the early 1980s, been the focus of extensive exploration for gold. In 1984, the Ontario Geological Survey initiated a multi-disciplinary study of the belt, including Precambrian bedrock mapping, mineral deposits studies, and studies of the surficial geology. This report contains descriptions of the known gold occurrences in the belt, and of a previously unknown occurrence of platinum group elements, as well as a brief summary of



the metallogenesis of the belt. An assessment of the mineral potential for gold and platinum is also given.

NR ON PR PS SC

### Geology of Keefer, Denton, and Thornelee Townships, District of Cochrane

by A.D. Choudhry. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xix, 164 p. : ill., maps. Bibliogr. (Ontario Geological Survey open file report ; 5699) *Fold. maps not filmed.* ISSN 0826-9580 ISBN 0-7729-4926-3  
MICROLOG 90-02005 2 fiche

Description of the lithology, stratigraphy, structure and mineral occurrences of the townships of Keefer, Denton and Thornelee that together comprise an area of approximately 280 sq km (108 sq miles) in the District of Cochrane about 25 km southwest of Timmins. A description of the occurrences of gold and silver, iron, base-metal sulphides, nickel-chromium, and asbestos is given, as well as the properties, listed alphabetically, in the area.

NR ON PR PS SC

### Geology of the Athabasca Group (Helikian) in northern Saskatchewan

by P. Ramaekers. Regina : Saskatchewan Energy and Mines, Saskatchewan Geological Survey, 1990. vii, 49 p. : ill., maps. Bibliogr. (Report ; 195) *Fold. maps not filmed.* MICROLOG 90-04312 1 fiche

This study of the Athabasca Basin grew out of the renewed interest in uranium deposits found along the edge of the Athabasca sandstone. Begun in 1975 as a 5-year study to map the basin's edge more precisely, it was extended in 1978 to include the interior of the basin. Drill core collection was initiated in 1976. The report includes general stratigraphy; major stratigraphic units of the Basin; and a structural geology.

MS NR PR PS SC

### Geology of the Dalhousie Lake area : Frontenac and Lanark Counties

by L. Pauk. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. viii, 57 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 245) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-1037-5  
MICROLOG 90-02507 1 fiche

The Dalhousie Lake area covers about 250 sq km and is located 62 km north of Kingston and 67 km southwest of Ottawa. Geological mapping of the area at a scale of 1:15,840 was carried out during the summer of 1981. This report covers the general geology, the structural geology and the economic geology. A description of properties is also included.

NR ON PR PS SC

### Geology of the Flin Flon-White Lake area

by A.H. Bailes and E.C. Syme. Winnipeg : Manitoba Energy and Mines, Geological Services, 1989. xx, 313 p. : ill., maps. Bibliogr. (Geological report ; GR87-1) *Fold. maps not filmed.* MICROLOG 90-02362 4 fiche

This report describes the geology of the Flin Flon-White Lake area by block, as well as including general descriptions of structure, metamorphism, geochemistry and economic geology. Field work was conducted in 1979, 1980, 1982 and 1983 with short field sessions in 1981 and 1984. Approximately 2,000 thin sections were cut and examined to establish the petrographic character of every unit. Two hundred and fifteen whole rock chemical analyses document the compositional variations of volcanic flows, volcanoclastic rocks, sedimentary rocks and intrusions. Nearly all of

the analyzed samples were collected by drill or with a sledge hammer, after the mapping had been completed and the stratigraphy established.

MS NR PR PS SC

### Geology of the Greenwood-Grand Forks area, British Columbia NTS 82E/1,2

by J.T. Fyles. Victoria : Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1990. iv, 19 p. : ill., maps. Bibliogr. (Open file ; 1990-25) *Fold. maps not filmed.* ISSN 0835-3530 ISBN 0-7718-8955-0  
MICROLOG 90-07000 1 fiche

The Greenwood-Grand Forks area, about 350 km east of Vancouver, contains the Boundary mining camp, and has been mapped and studied geologically since major deposits of copper and gold were first mined and smelted in the area about the turn of the century. The data on which this study is based are derived from detailed mapping carried out between 1981 and 1989.

BC NR PR PS SC

### Geology of the Grenville Lake area, District of Thunder Bay

by G.P. Beakhouse. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. viii, 75 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 246) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-1036-7  
MICROLOG 90-02619 1 fiche

Description of the geology and mineral deposits of the Grenville Lake area including Kirby, Fulford, and part of McQuesten Townships, located approximately 220 km northeast of the city of Thunder Bay. The report begins with a general geology of the area, followed by the structure and economic geology. A description of properties is included.

NR ON PR PS SC

### Geology of the Horseshoe Lake area, District of Kenora, Patricia Portion

by L.S. Jensen. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xxv, 140 p. : ill., maps. Bibliogr. (Ontario Geological Survey open file report ; 5704) *Fold. maps not filmed.* MICROLOG 90-02203 2 fiche

Until 1987 the geological map coverage of the Horseshoe Lake area in the district of Kenora was at a reconnaissance level. The present detailed mapping project was designed to encourage mineral exploration and to provide a mineral potential evaluation and a data base for land use planning. The Precambrian bedrock of the area hosts several auriferous, minor sulfide occurrences. The report describes several potential gold environments such as shear zones, quartz-K-feldspar porphyry dikes, and units of sulfide-bearing clastic metasedimentary rocks and iron formation, that occur in the areas of investigation.

NR ON PR PS SC

### Geology of the Lavant area, Frontenac and Lanark Counties

by L. Pauk. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. vii, 61 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 253) *Fold. map not filmed.* ISSN 0704-2582 ISBN 0-7729-2041-9  
MICROLOG 90-02806 1 fiche

The Lavant area covers about 250 sq km and is located 85 km southwest of the City of Ottawa and 92 km north-northwest of the City of Kingston. Geological mapping of the Lavant area at a scale of 1 inch to 1/4 mile was

carried out during the summer of 1982. This report covers the general geology of the area, as well as structural and economic geology and a description of properties and occurrences.

NR ON PR PS SC

### Geology of the Mabou Highlands, western Cape Breton Island, Nova Scotia

by S.M. Barr and A.S. Macdonald. Halifax : Dept. of Mines and Energy, 1989. vi, 65 p. : ill., maps. Bibliogr. (Paper ; 89-2) *Fold. map not filmed.* MICROLOG 90-06382 1 fiche

The Mabou Highlands form an isolated massif located about 5 km southwest of the main Cape Breton Highlands. This report describes the metamorphic, plutonic, sedimentary and volcanic-sedimentary units of the area, its structural geology, and its economic geology and exploration potential.

AP NR PR PS SC

### Geology of the Shining Tree area, Districts of Sudbury and Timiskaming

by M.W. Carter. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1987. xi, 41 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 240) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-2232-2  
MICROLOG 90-01858 1 fiche

The Shining Tree area metavolcanic-metasedimentary belt and adjacent granitic rocks contain occurrences of gold, copper, lead, zinc, molybdenum, asbestos, nickel, iron, cobalt, and silver. A series of detailed mapping projects was begun in 1971 to provide a more effective basis for determining the mineral potential of the region and for guiding exploration. This report presents a compilation of the detailed projects and a regional synthesis and interpretation of the entire area.

NR ON PR PS SC

### Geology of the Slate Lake area, District of Kenora (Patricia Portion)

by R.P. Bowen. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xii, 82 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 256) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-2321-3  
MICROLOG 90-01871 1 fiche

Results of a detailed geological survey performed in 1980 and covering the Slate Lake area, east of Red Lake in northwestern Ontario. The survey is a continuation of a multi-year program to upgrade the geological data base available for and assess the mineral potential of the western part of the Uchi subprovince. The potential for gold and iron is explored, along with descriptions of properties in the area.

NR ON PR PS SC

### Geology of the Stoney Creek oil and gas field, and its implications regarding the tectonic evolution of the eastern Moncton subbasin, New Brunswick

Fredricton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. xi, 77 p. : ill. Bibliogr. (Geoscience report ; 89-1) ISSN 0838-2565  
MICROLOG 90-03187 1 fiche

The Stoney Creek oil and gas field is situated 16 km south of Moncton, New Brunswick, on the west side of the Petitcodiac River. This report describes the results of a detailed study of the sedimentology, facies relationships and geological setting of the Albert Formation with the Stoney Creek oil and gas field. The well cuttings of 31 strategically located wells were relogged in detail and the data used in conjunction with existing lithological well data to



establish a computer supported subsurface model for the field. The geological data gathered were used to interpret the geotectonic evolution of the eastern part of the Moncton subbasin and the Sackville subbasin. The data are summarized in an interpretive model describing the regional controls on the reservoir geology.  
AP NR PR PS SC

### Geology of the Whitestone Lake area, District of Parry Sound

by E.G. Bright. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xxxi, 184 p. : ill., maps. Bibliogr. (Ontario Geological Survey open file report ; 5697) *Fold. maps not filmed.* ISSN 0826-9580 ISBN 0-7729-4731-7 MICROLOG 90-02006 3 fiche

The map area covers about 280 sq km and is located 225 km north-northwest of the City of Toronto and 33 km north of the Town of Parry Sound. It includes parts of Croft, Ferrie, Hagerman and McKenzie townships, District of Parry Sound. The report describes the lithology, stratigraphy, structure and mineral occurrences of the area, as well as the economic potential of anorthosite suite rocks, granite pegmatites and marble.  
NR ON PR PS SC

### Geology, geochemistry and mineral potential of intrusive rocks in the eastern central mineral belt of Labrador : regional geochemical data and preliminary interpretation

by A. Kerr. St. John's : Dept. of Mines and Energy, Geological Survey Branch, 1989. iii, 144 p. : maps. Bibliogr. MICROLOG 90-04338 2 fiche

The central mineral belt (CMB) of Labrador is the principal area of exploration in Labrador for commodities other than iron ore. This project characterizes and assesses the mineral potential of intrusive rocks associated with known mineralization in the eastern CMB and, via a lithochemical exploration program, defines areas of similar intrusive rocks elsewhere in the belt. The project also refines geological map coverage in areas underlain by intrusive rocks, and evaluates the role of middle Proterozoic magmatism in the evolution of both the CMB and central Labrador in general. A 1:250,000 preliminary compilation map of the eastern CMB is included with this report.  
AP NR PR SC

### Geology, lithochemistry and mineralization in the Buck Creek area, British Columbia

by B.N. Church and J.J. Barakso. Victoria : Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1990. viii, 95 p. : ill., maps. Bibliogr. (Paper ; 1990-2) *Appendix 1A on floppy disk. Fold. maps not filmed.* ISSN 0226-9430 ISBN 0-7718-8657-8 MICROLOG 90-06720 2 fiche

This document presents information on image research, a unified visual system, and image objectives and recommended programs. It draws together, under a single cover, research results previously fragmented through other literature and unpublished files.  
AP PA PR

### Géomorphologie glaciaire et stratigraphie quaternaire sur le flanc nord-est des Calédoniennes, Nouveau-Brunswick

par M. Foisy. Fredericton : Ministère des ressources naturelles et de l'énergie, Division des minéraux et de l'énergie, 1989. xvii, 201 p. : ill., cartes géogr. Bibliogr. (Dossier public ; 89-51) *Cartes géogr. plantes non*

*filmées.* ISSN 0712-4562 MICROLOG 90-03315 3 fiche

La zone étudiée est localisée dans le comté d'Albert au sud-est du Nouveau-Brunswick. Le massif igné des Calédoniennes, d'âge précambrien à dévonien, occupe le centre du terrain d'étude. Le document fait la liste des tableaux et des planches du terrain puis examine les points suivants, la géologie du socle; la physiographie et l'hydrographie; la lithostratigraphie et la géomorphologie quaternaire; l'essai de corrélations lithostratigraphiques; la paléogéographie; l'invasion marine et l'afforestation; et, les conclusions générales.  
AP EN NR PR PS SC

### Geophysical assessment of waste drilling fluid containment sites in the Mackenzie River Valley region, NWT

Hardy BBT Limited. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1988. x, 64 p. : maps. Bibliogr. (Environmental studies ; no. 54) ISBN 0-662-16380-X MICROLOG 90-04621 1 fiche

This study reports the results of a field survey utilizing geophysical soil conductivity measurements coupled with near-surface soil chemistry analyses to determine if drilling wastes are migrating away from the boundaries of 8 sumps abandoned over a range of permafrost conditions in the Mackenzie Valley region. Geophysical electrical conductivity measurements were made at each sump, supplemented by surface soil analysis to assess any chemical expression of geophysically detected wastes. Notes were taken on site stability, signs of accelerated erosion, and the success of revegetation. Contour maps of apparent conductivity were prepared for depths of 3.5 m and 7 m and surface soil analyses were correlated with apparent conductivities at each site.  
CA EN EV NO SC

### The Georgetown profile

Prince Edward Island. Research, Evaluation and Technical Services. Charlottetown : The Services, 1989. 34 p. : ill. MICROLOG 90-03871 1 fiche

This report examines the social and economic characteristics of Georgetown and where possible, makes comparisons with the province. The following subject areas are discussed: population; age distribution; marital status; home language, mother tongue, and official language; ethnic origin; place of birth; mobility status; highest level of education; dwelling characteristics; labour force activity; occupation; industry; class of worker; and 1985 income.  
AP MU SA

### Georgetown Shipyard Inc. : Annual report 1988-89

Georgetown, P.E.I. : The Corporation, 1989. 16 p. *CS/ 99361.001.* MICROLOG 90-06352 1 fiche

In Prince Edward Island, the shipbuilding industry is served by the provincially incorporated Georgetown Shipyard Inc., whose recent economic performance has reflected the low level of activity of the whole industry. The report consists primarily of financial statements.  
AP PR TR

### Geoscience Research Grant Program : summary of research, 1988-89

edited by V.G. Milne. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. iv, 237 p. : ill., maps. (Ontario Geological Survey miscellaneous paper ; 143) *CS/ 56120.002.* ISSN 0704-2752 MICROLOG 90-02035 3 fiche

Summary of research grant programs, covering applied studies of up to 3 years in duration towards mineral deposit characterization studies of specific occurrences or groups of occurrences; petrology, rock geochemistry, structural geology, stratigraphy and geochronology studies; field and laboratory studies leading to the development of new geophysical and geochemical concepts and techniques; engineering and environmental geology studies; and methods for improving automated or manual processing to facilitate the interpretation of geoscience data. Abstracts are given for each program report.  
NR ON PR PS SC

### The Geosciences in Canada, 1988 : annual report

edited by Alan V. Morgan. Ottawa : Geological Survey of Canada, 1989. 52, 56 p. : ill. (Paper ; 89-6) *Bilingual (Les Sciences de la terre...).* *CS/ 22190.001.* ISSN 0068-7650 ISBN 0-660-55548-4 MICROLOG 90-06056 2 fiche

The Council is a forum of representatives of major Canadian earth science societies, universities, and government agencies, working co-operatively to encourage the development of the geosciences for national and geoscience profession interests. Contains annual reports from the President, Executive Director, Treasurer, Foreign Secretary, all member societies, associate members, standing committees, report committees and advisory and review committees. Reviews functions, general activities for the year and administrative case loads. Includes data on students enrolled or graduating in associated disciplines.  
CA NR PS SC

### Geotechnical considerations for the design of the extended fly ash mound at Nanticoke TGS

by K.C. Lau and H.T. Chan. Toronto : Ontario Hydro, Research Division, 1989. i, 44 p. : ill. Bibliogr. (Report ; no. 89-229-K) MICROLOG 90-00423 1 fiche

Currently, a wet ash disposal method is being used at the Nanticoke Thermal Generating Station site, consisting of lagoons, ash settling cells and the permanent ash storage area. This facility covers 77 ha of land and is enclosed by a perimeter clay dyke rising about 10 m above the surrounding terrain. The dry ash disposal method will increase the storage volume of the existing ash storage facility by about 70%, equivalent to an additional storage life of 9 1/2 years. This report presents a conceptual design for the extension of the existing ash storage mound.  
EN EV ON PR SC

### Geotechnical study of rock mass classification parameters for Sydney Coalfield, Nova Scotia

Mississauga, Ont. : Golder Associates, 1989. iv, 81 p. : ill., maps. Bibliogr. *Fold. maps not filmed.* *CANMET contract: 89002-01-SQ.* MICROLOG 90-03392 2 fiche

Review of the Norwegian Geotechnical Institute Q system, the CSIR geomechanics classification system and the RSR system. Parametric and back-analysis were undertaken to establish ranges of values appropriate for use with these rock mass classification systems in the coal measure strata of the Sydney coalfield. The classification systems were modified to reflect the results of the back-analyses and were then applied to characterize the rock mass at selected existing and future mining areas in Donkin Mine, Langan Mine, Prince Mine and Phalen Mine.  
● AP CA CM NR PS SC



### Geraldton District fisheries management plan, 1989-2000

Toronto : Ministry of Natural Resources, 1989. vii, 57 p. : fold. map. Bibliogr. MICROLOG 90-03622 1 fiche

Plan indicating the long-term fisheries management direction (1989-2000) within the Geraldton administrative district. The plan contains an overview of the fisheries resource base; fisheries management objectives for sport, commercial, lake trout and bait fish management; approved strategies and tactics, and a 5-year implementation schedule. The implementation schedule outlines the operational tactics and specific actions that are designed to implement the management strategies. FI ON PR SC

### Geriatric services in acute-care hospitals : guidelines

see Guidelines for establishing standards for geriatric services in acute-care hospitals : guidelines

### Germanium poisoning caused by health food

by O. Wada and M. Nagahashi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 12 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5450) Originally published in Japanese. ISSN 0704-3716 MICROLOG 90-00578 1 fiche

Germanium was believed to be abundant, but little toxic, in natural drugs such as ginseng. It has been synthesized and is currently widely used in Japan as a mysterious substance having a health-enhancing action. It is present in a great many substances in varying amounts. This paper describes the incidence of germanium poisoning, the clinical signs of such poisoning, and the proof that germanium caused the observed symptoms.

• CA CF FI LS SC

### Gervais Township, Sudbury mining division 41J/16

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 536) Fold. maps not filmed. MICROLOG 90-02997 1 fiche

Geological data inventory for Gervais Township, including a checklist of sources, mineral commodities reference list, exploration work done by company, drillhole summary, topographical maps available, selected references, and maps available. NR ON PR PS SC

### La Gestion communautaire des ressources au Canada : inventaire des recherches et des projets

Fay G. Cohen et Arthur J. Hanson, directeurs ; rédigé par le Groupe de travail du MAB/Canada sur l'écologie humaine des zones côtières. Ottawa : MAB/Canada, Commission canadienne pour l'Unesco, 1989. 11, 190 p. Bibliogr. (Rapport ; 21) Bilingue (Community-based resource management...). ISSN 0317-5693 MICROLOG 90-00362 3 fiche (Available on fiche only)

Ce rapport répertorie les recherches et les projets de gestion communautaire des ressources dans six régions: la Nouvelle-Ecosse, la zone côtière du Québec, la baie James, les Grands lacs/Ontario, la zone côtière de la Colombie-Britannique et le Denendeh (arctique de l'Ouest). On y fournit des renseignements sur: un inventaire descriptif des études et projets, une bibliographie; et une liste

des chercheurs, des instituts, des organismes et des périodiques. Les noms et adresses des personnes avec qui communiquer au sujet des entrées de l'inventaire, de même que ceux de chercheurs et de gestionnaires de projets dans le même domaine, sont fournis pour ceux qui désirent plus d'information. Finalement, les bibliographies sont une autre source de renseignements sur les ouvrages de référence disponibles. CA EV EX SC

### La Gestion des déchets de combustible nucléaire

préparé pour le Bureau fédéral d'examen des évaluations environnementales. Toronto : LURA Group, 1989. ix, 63, viii, 51 p. Bibliogr. Bilingue (An Issue paper on the management...). MICROLOG 90-02371 2 fiche

Le document présente une vue générale sur la nature des déchets de combustible nucléaire et leur gestion. Il traite des questions se rapportant à la gestion de ces déchets, soulève les questions relatives aux processus de prise de décisions quant à la question des déchets de combustible nucléaire; cerne les questions se rapportant au concept de l'évacuation géologique; et, traite de questions économiques, sociales et environnementales que soulève la gestion des déchets de combustible nucléaire en général. CA EN PS SC

### La Gestion des déchets de combustible nucléaire du Canada

Ottawa : Energie atomique du Canada, limitée, 1989. 44 p. : ill., cartes géogr. Bibliogr. L'éd. anglaise (Managing Canada's nuclear...) sur la même fiche. MICROLOG 90-02855 1 fiche

Cette brochure a pour objet de décrire le concept d'évacuation proposé. On y trouve aussi ce en quoi consistent les déchets de combustible nucléaire, les dangers éventuels qu'ils présentent pour l'être humain, les méthodes mises au point pour les évacuer en toute sûreté ainsi que le processus d'examen qui influe sur les décisions quant à l'acceptabilité du concept d'évacuation. CA EN EV SC

### La Gestion des déchets industriels

Toronto : Société ontarienne de gestion des déchets, 1989. 10, 10 p. : ill. Bilingue (Managing hazardous waste). MICROLOG 90-01880 1 fiche

La quantité de déchets industriels dangereux dérivée de la fabrication des produits de consommation courante croît d'année en année. On a longtemps déversé les matières non traitées, parfois même dangereuses, dans les puits, les fossés à ciel ouvert ou les égouts pluviaux et domestiques. L'environnement, et surtout la qualité de l'eau des lacs, des rivières et des nappes souterraines, a subi les dommages de ces pratiques irréflechies. Ce document se penche sur des questions telles, les sources de déchets dangereux, les types de déchets dangereux et leur incidence sur l'environnement. EV ON PR SC

### Gestion des huiles usées au Canada : situation actuelle et différentes options

Monenco Consultants Limited. Ottawa : Conseil canadien des ministres de l'environnement, 1989. xxvi, 103 p. Bibliogr. (Rapport ; CCME-TS/WM-TRE007F) L'éd. anglaise (Used oil management...) : 90-00955/2. ISBN 0-662-95614-1 MICROLOG 90-00954 2 fiche

Les huiles usées produites chaque année représentent la plus grande quantité de déchets liquides organiques dangereux au Canada. Afin

de diminuer le volume de ces huiles, la réutilisation et le recyclage des huiles usées et, au besoin, un traitement et une élimination appropriés semblent être des solutions tout à fait appropriées. Les huiles usées devraient être récupérées pour leur pouvoir lubrifiant ou être utilisées comme combustibles d'appoint dans des conditions de combustion contrôlées, dans la mesure où ceci est réalisable. En vue de faciliter ce mécanisme, on a entrepris des recherches sur la question de la gestion des huiles usées au Canada et le présent rapport a été rédigé pour servir de document de base à l'élaboration de programmes et de moyens de contrôle au sein de diverses juridictions canadiennes. CA EV SC

### Gestion des parcours des prairies

par S. Smoliak, W.D. Willms et N.W. Holt. Ottawa : Agriculture Canada, 1990. 39 p. : ill. Bibliogr. L'éd. anglaise (Management of prairie...) sur la même fiche. ISBN 0-662-95641-9 MICROLOG 90-03502 1 fiche

Les parcours constituent pour l'élevage une importante ressource. La publication récapitule l'information disponible et l'expérience acquise dans ce domaine afin de servir de guide à une gestion appropriée des parcours. Les recommandations s'appuient principalement sur les résultats d'études expérimentales effectuées depuis 1927 sur les parcours et les pâturages ensemencés au sud de l'Alberta et de la Saskatchewan. AG AL CA MS SC

### La Gestion des renseignements détenus par le gouvernement

Canada. Conseil du trésor. Direction de la politique administrative. Ottawa : la Direction, 1989. 27 p. Bilingue (Management of government...). MICROLOG 90-05915 1 fiche

Ce document vise à assurer la gestion rentable et coordonnée de tous les fonds de renseignements détenus au sein de l'administration fédérale. Cette politique s'applique à tous les ministères et organismes, notamment aux divisions et sections ministérielles désignées comme ministères aux fins de la Loi sur la gestion des finances publiques. CA PA SC TE

### Gestion des ressources dans la région de Témagami

Toronto : Assemblée législative, Comité permanent du développement des ressources, 1990. 31, 34 p. Bibliogr. Bilingue (Resource management in the Temagami area). ISBN 0-7729-6842-X MICROLOG 90-06178 2 fiche

Document présentant le rapport annuel du Comité permanent du développement des ressources sur la gestion des ressources dans la région de Témagami pour l'année 1989. Il porte principalement sur la revendication territoriale des autochtones; les origines du rapport Benson; la définition du développement durable; la gestion holistique ou intégrée des ressources dans la région de Témagami; les chemins d'accès et leurs effets sur la gestion des ressources, la définition de peuplement ancien, les méthodes de récolte; et, l'impact de la gestion forestière sur le commerce local. NR ON PR SC

### La Gestion des technologies de l'information : une approche intégrée : sommaire

par M. Paquin. Laval, Québec : Ministère des communications du Canada, Centre canadien de recherche sur l'informatisation du travail, Direction de la recherche organisationnelle, 1990. i, 32 p. ISBN 0-662-96198-6 MICROLOG 90-07048 1 fiche



Les technologies de l'information réfèrent aux moyens utilisés pour produire, traiter, stocker, récupérer et transmettre l'information, que ce soit sous la forme de la parole, de l'écrit ou de l'image. Dans ce rapport sommaire, on décrit les grandes lignes d'une démarche intégrée de gestion des technologies de l'information. Le document comprend sept parties, dont: les étapes du processus de gestion des technologies de l'information; la planification stratégique de l'entreprise; les technologies de l'information; la démarche de planification d'un projet comprenant l'étude des besoins; les options, et la conception de l'option retenue; la mise en place du projet; et, l'évaluation.

• CA SC TE

### Une Gestion dynamique : rapport de situation sur l'APRM

Ottawa : Conseil de trésor du Canada, 1989. iv, 27, iv, 27, p. : ill. *Bilingue (Enterprising management...)*. ISBN 0-662-57011-1  
MICROLOG 90-02807 1 fiche

Ce rapport présente les progrès importants réalisés depuis 1986. On y trouve une description des mesures prises pour établir un cadre de gestion, un prérequis pour la réussite de l'APRM. Le rapport présente aussi le détail d'initiatives visant à accroître les pouvoirs des ministres et des gestionnaires, réduire la paperasserie et rehausser la responsabilité.

CA PA

### Gestion et traitement des délinquants sexuels : rapport

Canada. Groupe de travail sur le traitement des délinquants sexuels. Ottawa : Solliciteur général Canada, 1990. ii, 52 p. *Bibliogr. L'éd. anglaise (The Management and treatment...)* : 90-03506/1. ISBN 0-662-95952-3  
MICROLOG 90-03505 1 fiche

Le Groupe de travail chargé d'étudier la question présente dans ce document les résultats d'étude des programmes de traitement offerts actuellement aux délinquants sexuels au Canada, des preuves concernant l'efficacité des divers programmes, des stratégies susceptibles de donner de bons résultats dans le domaine de la recherche et du perfectionnement, et des recommandations sur l'élaboration de programmes destinés aux délinquants sexuels.

• BS CA SA

### Gestion provinciale Itée : Rapport annuel 1987

Fredericton : la Compagnie, 1988. 9, 9 p. *Bilingue. CSI 46150.001*.  
MICROLOG 90-02586 1 fiche

Ce document présente le Bilan de Gestion provinciale au 31 décembre 1987 ainsi que l'état des résultats et des bénéfices non répartis et l'état de l'évolution de la situation financière pour l'exercice terminé à cette date.

AP CO PA PR

### Gestion provinciale Itée : Rapport annuel 1988

Fredericton : la Corporation, 1989. 11, 11 p. *Bilingue. CSI 46150.001*. ISSN 0847-3072 ISBN 1-55048-113-4  
MICROLOG 90-05616 1 fiche

Document présentant le rapport annuel de Gestion provinciale Itée, pour l'année 1988. Y sont également fournis les états financiers couvrant la même période.

AP CO PR PW

### Getting it right : policy review and outlook, 1990

editor: Thomas E. Kierans. Toronto : C.D. Howe Institute, 1990. vi, 161 p. *Bibliogr.* ISSN 0826-9939 ISBN 0-88806-252-4  
MICROLOG 90-02463 2 fiche

Reviews major developments affecting the Canadian economy, and addresses the key policy areas that will demand the attention of Canadian governments in coming years. It is a collection of essays by different authors, resting on a common philosophical foundation, but reflecting the particular concerns and policy priorities of each author.

• CA CO

### Getting underway : starting a small business in New Brunswick

Fredericton : New Brunswick Commerce and Technology, 1990. 14 p. *Bibliogr. French ed. (Avant de se lancer...) on the same fiche*.  
MICROLOG 90-05546 1 fiche

Provides assistance to individuals who have decided to go into business and need a guide through the details of setting up. Businesses in different sectors have different considerations when starting a new operation, especially with respect to required licences and permits. This publication provides contacts to assist in finding out about any obligations for particular businesses.

AP CO PR

### Gibbons Township, Sudbury mining division 41/9

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. *Bibliogr. (Geological data inventory folio ; GDIF 540) Fold. maps not filmed*.  
MICROLOG 90-02996 1 fiche

Geological data inventory for Gibbons Township, including a checklist of sources, mineral commodities reference list, mineral occurrences, exploration work done by company, drillhole summary, topographical maps available, results of a general index search, selected references, and maps available.

NR ON PR PS SC

### Gillies Limit Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 158 p. : maps. *Bibliogr. (Geological data inventory folio ; GDIF 499) Fold. maps not filmed*.  
MICROLOG 90-04566 2 fiche

Geological data inventory for Gillies Limit Township, including a checklist of data sources, a reference list of metals and minerals, mineral occurrences, type of exploration work by individual or company, drillhole summary by company, results of geochemical surveys, newspaper clippings, results of an ODM general index search, and selected references.

NR ON PR SC

### GIRO/SOF : logiciel de simulation des opérations ferroviaires au Port de Montréal : manuel d'utilisation

par GIRO inc. : pour le Centre de développement des transports, Transports Canada. Montréal : GIRO inc., 1986. xviii, 194 p. : ill.  
MICROLOG 90-07202 3 fiche

Le logiciel GIRO/SOF (Simulation d'Opérations Ferroviaires dans un port) est un outil de planification ferroviaire dans un contexte portuaire. Il est composé de deux parties, soit la gestion des scénarios de planification et la simulation des scénarios. Ce manuel est le premier d'une série de deux manuels complémentaires. Il contient les informations requises pour utiliser le logiciel et est axé sur l'utilisation du logiciel (gestion des scénarios, méthode d'utilisation de la simulation et

méthodes de planification par simulation).  
CA PS SC TE TR

### GIRO/SOF : logiciel de simulation des opérations ferroviaires au Port de Montréal : modèle de simulation

par GIRO inc. : pour le Centre de développement des transports, Transports Canada. Montréal : GIRO inc., 1986. xi, 48 p.  
MICROLOG 90-07201 1 fiche

Le logiciel GIRO/SOF (Simulation d'Opérations Ferroviaires dans un port) est un outil de planification ferroviaire dans un contexte portuaire. Il est composé de deux parties: la gestion des scénarios de planification et la simulation des scénarios. Le logiciel a été développé dans le contexte du Port de Montréal. Cependant, son haut niveau de paramétrisation des scénarios et son haut niveau de détail du simulateur en permettent l'utilisation dans le contexte d'autres ports. De plus, il est programmé pour être utilisé sur micro-ordinateur. Ce manuel est le deuxième d'une série de deux manuels complémentaires et est axé sur la philosophie du modèle de simulation ainsi que sur ses aspects techniques. Il porte principalement sur le schéma général de la simulation, la description des principaux modules de la simulation et, les conclusions.

CA PS SC TE TR

### Gisements filoniens : technologies, innovations et perspectives

par S. Dufresne...et al. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires de recherche minière, 1989. xvii, 74 p. : ill. *Bibliogr. (Rapport ; LRM 89-70(TR))*  
MICROLOG 90-03369 1 fiche

Ce rapport présente un résumé des innovations réalisées au cours des dernières années, afin d'accroître la productivité des gisements filoniens. C'est une synthèse des technologies disponibles dans chaque secteur d'activité de la séquence d'exploitation des gîtes filoniens. La deuxième partie énumère certains critères qu'il faut considérer afin d'orienter les activités de recherche dans ce type d'exploitation. De plus, des domaines potentiels de recherche sont présentés.

• CA CM EN NR PS SC

### Glacial features around the Keewatin ice divide : districts of Mackenzie and Keewatin

by J.M. Aylsworth and W.W. Shilts. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. iii, 21 p. : ill., maps. *Bibliogr. (Paper ; 88-24) Fold. maps not filmed*. ISSN 0068-7650 ISBN 0-660-13273-7  
MICROLOG 90-02346 1 fiche

Compilation of glacial features in the Districts of Mackenzie and Keewatin, derived from published maps or from authors' manuscript maps at 1:250,000 or larger scale. The report describes the bedrock geology of the area, and the glacial landform assemblages for 4 zones, eskers and other glaciofluvial deposits, and for major moraine ridges.

CA NO NR PS SC

### Glacial striae trends in New Brunswick : a compilation

by A.A. Seaman. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. 136 p. *Bibliogr. (Open file report ; 89-34) ISSN 0712-4562*  
MICROLOG 90-01602 2 fiche

Compilation listing all available striae data collected during the past century and a half to assist in the interpretation of glacial flow patterns. This report comprises a listing of all currently known sources of striae data and a compilation of actual raw data. Synthesis,



interpretation and discussion of the data are presented in another report.  
AP NR PR PS SC

# **Glacier mass balance for 1987 on Sentinel, Helm and Place Glaciers, British Columbia**

by O. Mokievsky-Zubok. Saskatoon, Sask. : Environment Canada, Surface Water Division, National Hydrology Research Institute, 1988. 17 p. : ill. (NHRI contribution ; no. 88009) ISSN 0838-1992  
MICROLOG 90-05373 1 fiche

In 1987 mass balance studies continued on 3 glaciers in southwestern B.C. Two of them, Sentinel Glacier and Place Glacier, were former International Hydrological Decade glaciers. Helm Glacier was added in 1976 because it has strikingly different behaviour from Sentinel Glacier only 10 km away in spite of a similar elevation range and aspects, and because it contributes meltwater runoff to a B.C. hydro reservoir. For each glacier the height of equilibrium line was established and summer runoff estimated.  
BC CA NR PS SC

# **Global cities and public policy : the case of Vancouver, British Columbia**

by M.A. Goldberg and H.C. Davis. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1988. 23 p. Bibliogr. (Comparative urban and regional studies ; no. 17) ISSN 0828-2412  
MICROLOG 90-05488 1 fiche (Available on fiche only)

In the context of growing economic interrelationships between nations, a set of 'global' cities is emerging. These cities are evolving as the principal nodes in the international economic network. This paper identifies the primary distinguishing characteristics of these cities. In light of these attributes, and using Vancouver, B.C. as an illustrative case study, it focuses on policies designed to promote a particular metropolitan area within the global network.  
BC EX PR SA

# **A Global optimization routing model and applications in telecommunication networks**

by B. Sanso and F. Soumis. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 23 p. : ill. Bibliogr. (Publication ; no. 657)  
MICROLOG 90-01616 1 fiche

Centralized optimization model for the routing of calls in circuit switched networks. The problem can be stated as a multicommodity model without capacity constraints that takes into account the stochastic character of the demand. This model is solved using a Frank-Wolfe algorithm. Several applications of the model are outlined in the paper. Results on routing policy evaluation and network reliability are shown.  
PR PS QU SC TE

# **The Global research agenda : a south-north perspective**

Ottawa : International Development Research Centre, 1990. 40 p. (Manuscript report ; 275e) (Searching series) ISBN 0-88936-504-0  
MICROLOG 90-03929 1 fiche (Available on fiche only)

This publication begins with some examples of problems created by the north to which the south threatens to give new dimensions to, as well as southern problems that create serious risks for everyone, then shows how scientists in developing countries can help solve global problems. Finally, the report shows how scientists in developing countries can be helped to contribute fully to the solution of major world

problems.  
CA EX SC

# **Global warming : policies for amelioration**

by R. Milko. Ottawa : Library of Parliament, Research Branch, 1989. 43 p. : ill. Bibliogr. (Background ; BP-221E) *French ed. (Le Rechauffement...)* : 90-05370/1. ISBN 0-660-13498-5  
MICROLOG 90-05369 1 fiche

Background paper discussing policies of the federal government which aim to ameliorate the greenhouse effect. The paper discusses the 1986 U.S. Environmental Protection Agency report and its analysis in relation to greenhouse gases, reduction targets, fossil fuels and carbon dioxide production, as well as the use of energy conservation and efficiency in reducing these gases. The key Canadian energy sectors affecting the greenhouse gases are identified, including transportation and electricity generation in the production of CO2. Efficiency enhancement in industry, residential and commercial buildings, the use of alternate renewable and non-renewable energy sources, and land use management are recommended to reduce production of the gases. Other gases, such as CFCs and halons, are described. International policies which would contribute to greenhouse gas reduction are suggested, and the legal and regulatory approaches which could be used by the federal government are described.  
CA CI EV SC

# **Globalization and Canada's financial markets**

Ottawa : Economic Council of Canada, 1989. x, 180 p. : ill. Bibliogr. *French ed. (Les Marchés financiers canadiens...)* : 90-02532/3. ISBN 0-660-13420-9  
MICROLOG 90-02533 3 fiche

Includes the Council's 23 recommendations concerning how Canadians should benefit from changes in the world's financial systems. These recommendations are relevant both for the management of Canadian financial markets and for the world's financial system. The objective of this report is to present the research material upon which the Council's recommendations were made.  
CA CO EX

# **Globe '90 conference abstracts**

Victoria : Legislative Library, 1990. 151 p.  
MICROLOG 90-05719 2 fiche

Abstracts of papers presented at the conference, covering policy and legislation, business development, technology and research, sustainable development in urban areas, global issues, effects on various specific industries such as food processing, energy, oil and gas, and waste management.  
● CA EV SC

# **Glossary : explosives**

by M. Boileau. Ottawa : Secretary of State, Translation Bureau, Terminology and Linguistics Services Branch, 1989. vi, 36 p. Bibliogr. *Bilingual (Lexique : les explosives)*. ISBN 0-660-55067-9  
MICROLOG 90-02228 1 fiche

Glossary of terms related to the use of explosives in mining. The terms listed came from various glossaries, vocabularies and monographs. Terms are arranged alphabetically in each language.  
CA PS SC

# **Glossary : human rights**

Gaston Veilleux ; in co-operation with Paola Piantone, Yolande Bernard. Ottawa : Dept. of the Secretary of State of Canada, 1989. vi, 59 p. *Bilingual (Lexique : droits de la*

*personne)*. ISBN 0-660-54910-7  
MICROLOG 90-00456 1 fiche

This glossary is intended for use by translators and public servants, and includes commonly used terms and expressions that have presented some difficulty in the translation of official publications.  
CA JU

# **Glossary : informatics -- 3d ed.**

by L. Buendia. Ottawa : Dept. of the Secretary of State of Canada, Translation Bureau, Terminology and Linguistics Services Directorate, 1989. vi, 78 p. Bibliogr. *Bilingual (Lexique : informatique)*. ISBN 0-660-55537-9  
MICROLOG 90-02504 1 fiche

Contains 750 entries, not only of basic terms, but also of the latest terminology in subfields such as microcomputing. It includes a bibliography comprising some 20 titles of specialized works.  
CA SC TE

# **Glossary : packaging**

by J. Le Page. Ottawa : Dept. of the Secretary of State of Canada, 1989. 52 p. Bibliogr. *Bilingual (Lexique : emballage)*. ISBN 0-660-54907-7  
MICROLOG 90-00923 1 fiche

This glossary contains the most common French and English terms used in the field of packaging.  
CA CO

# **Glossary : realty -- 2d ed.**

Janeen Johnston-Des Rochers ; in co-operation with Official Languages Directorate, Public Works Canada. Ottawa : Public Works Canada ; Dept. of the Secretary of State of Canada, 1990. viii, 90 p. Bibliogr. *Bilingual (Lexique : immobilier)*. ISBN 0-660-55521-2  
MICROLOG 90-05908 2 fiche

Contains basic terminology relating to realty in the federal government and includes legal expressions as well as terms generally associated with real estate in the fields of construction, finance, administration, taxation, surveying and public contracts. Over 300 term pairs were added to the 450 entries of the original version.  
CA SA

# **Glossary of automotive mechanics -- 2d ed.**

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1990. x, 299 p. Bibliogr. *Bilingual (Lexique de mécanique...)*. ISBN 0-88838-979-5  
MICROLOG 90-05706 4 fiche

English/French, French/English glossary of terms used in automotive mechanics. Terms are listed alphabetically, with some explanations of subject indentifications.  
AP PR SC TR

# **Glossary of bricklaying**

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1990. x, 106 p. Bibliogr. *Bilingual (Lexique de briquetage)*. MICROLOG 90-04109 2 fiche

Glossary developed to standardize the terminology of bricklaying, one of a series for more than 30 trades. It provides English-French, French-English equivalents for the various terms related to this trade.  
● AP CA PS SC

# **Glossary of carpentry**

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1986. xv, 218 p. *Bilingual (Lexique de la charpenterie)*. ISBN 0-88838-833-0  
MICROLOG 90-01317 3 fiche



Glossary of terms used in carpentry, designed to standardize the terms used in provincial and interprovincial examinations, course outlines, occupational analysis and instructional material for over 30 trades involved in the construction industry. Terms are arranged as English-French, French-English and a list of sources is included.  
AP PL PR SC

### Glossary of dairy terminology

by T. Droppo. Winnipeg : Manitoba Agriculture, 1989. 11 p.  
MICROLOG 90-01455 1 fiche

Alphabetically arranged listing of common terms in the dairy industry, with definitions.  
AG MS PR SC

### Glossary of forestry terms

Victoria : Forestry Canada, Pacific and Yukon Region, Pacific Forestry Centre, 1990. 58 p. : ill.  
MICROLOG 90-06090 1 fiche

Glossary defining and describing common forestry terms. Diagrams are also included where relevant.  
CA FO SC

### Glossary of heavy equipment

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1990. xi, 357 p. Bibliogr. *Bilingual (Lexique d'équipement...)*. ISBN 0-55048-037-5  
MICROLOG 90-05705 4 fiche

English/French, French/English glossary of terms used in the heavy equipment industry. Terms are listed in alphabetical order, with some explanations or subject relevance included.  
AP PR PS SC

### Glossary of helicopters

by F. Mouzard. Ottawa : Translation Bureau, Terminology and Linguistic Services Branch, 1989. xiii, 221 p. Bibliogr. (Terminology bulletin ; 186) *Bilingual (Lexique des hélicoptères)*. ISBN 0-660-54248-X  
MICROLOG 90-01565 3 fiche

Glossary comprising approximately 2,750 entries including a number of expressions and terms found only in a single context. In addition to terms related to helicopters, those in the areas of optonics, visionics, composite materials and experimental systems are included. Some terms relating to flight operations and general aeronautical mechanics are also given.  
CA SC TR

### Glossary of lineman

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1990. x, 94 p. Bibliogr. *Bilingual (Lexique de monteur...)*  
MICROLOG 90-04108 2 fiche

Glossary developed to standardize the terminology of linemen, one of a series for more than 30 trades. It provides English-French, French-English equivalents for the various terms related to this trade.  
• AP CA EN PS SC

### Glossary of machining -- 2d ed.

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1990. xi, 220 p. Bibliogr. *Bilingual (Lexique d'usinage)*. ISBN 1-55048-215-7  
MICROLOG 90-06504 3 fiche

English/French, French/English glossary of terms used in provincial and interprovincial examinations, course outlines, occupational analyses and instructional material for machinists. Explanatory notes, subject fields and brief explanations are also given for various terms.  
AP PR PS SC

### Glossary of motor vehicle body repairing and painting

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1989. x, 96 p. Bibliogr. *Bilingual (Lexique de débousselage...)*. ISBN 0-55048-036-7  
MICROLOG 90-03332 2 fiche

The preparation of this glossary is a step towards the standardization of the terminology of more than 30 trades and is intended to encourage the use of proper trade terminology in both official languages. Terms are listed in alphabetical order from English to French and from French to English.  
• CA SC TR

### Glossary of painting

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1990. x, 139 p. Bibliogr. *Bilingual (Lexique de peinture)*. ISBN 1-55048-049-9  
MICROLOG 90-04558 2 fiche

This document contains and English-French glossary and a French-English glossary of terms relevant to the painting trade.  
AP PL PR

### Glossary of roofing

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1989. x, 85 p. Bibliogr. *Bilingual (Lexique de couverture)*. ISBN 1-55048-034-0  
MICROLOG 90-01244 1 fiche

Glossary developed to standardize the terminology of more than 30 trades involved in construction for use in provincial and interprovincial examinations, course outlines, occupational analysis and instructional material.  
AP PL PR SC

### Glossary of sheet metal work

New Brunswick. Lexicon Project Committee. Fredericton : The Committee, 1990. x, 105 p. Bibliogr. *Bilingual (Lexique de tôlerie)*. ISBN 1-55048-038-3  
MICROLOG 90-04069 2 fiche

Glossary developed to standardize the terminology of sheet metal work, one of a series for more than 30 trades. It provides English-French, French-English equivalents for the various terms related to this trade.  
• AP CA PS SC

### The Goal of price stability : a review of the issues

by J. Selody. Ottawa : Bank of Canada, 1990. ii, 52 p. : ill. Bibliogr. (Technical report ; 54)  
MICROLOG 90-05565 1 fiche

The basic responsibility of a central bank is to preserve the value of money--that is, to maintain stability in the general level of prices. This report pulls together the main arguments for and against price stability as the appropriate goal for monetary policy. The available evidence suggests that the benefits of price stability are many and large while the costs of getting there are transitory and small by comparison. It identifies areas which require further research. It also addresses the transition to price stability and the practical definition of price stability. It illustrates that progress towards price stability is easier when wages and prices are flexible and when the monetary authority has credibility.  
CA CO

### Gold occurrence in radioactive calc-silicate float at Sandybeach Lake, Nueltin Lake area, District of Keewatin

by B.W. Charbonneau and S.S. Swettenham. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1986. 8 p. : ill. Bibliogr. (Paper ; 86-1A) ISSN

0068-7650  
MICROLOG 90-01969 1 fiche

During the summer of 1982 field work took place in the southern district of Keewatin as a follow-up investigation of airborne gamma-ray spectrometer surveys. Field work concentrate on a thoriferous veined portion of a Nueltin Lake porphyry body, where samples contained up to 460 ppm thorium and 0.2% rare earth elements; a second location where samples of sulphide-bearing calc-silicate contained over 600 ppm uranium, 390 ppm molybdenum and 1.6 ppm gold; and a third location which contained over 200 ppm uranium and 400 ppm molybdenum. The report contains a description of the samples.  
CA NO NR PS SC

### Gold production and reserves in British Columbia

by T.G. Schroeter, C. Lund and G. Carter. Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1989. 85 p. : ill., maps. Bibliogr. (Open file ; 1989-22) *Fold. maps not filmed*. ISSN 0835-3530 ISBN 0-7718-8892-9  
MICROLOG 90-01257 1 fiche

The mineral exploration industry in B.C. has enjoyed a substantial boom during the past several years. Since 1983 the focus has mainly been on gold as a result of the collapse of the speculative bubble in commodity prices in 1982 and the advent of flow-through share financing. This report documents the abundance and diversity of gold discoveries that have resulted from the tightly focused and successful exploration effort over the last several years, placing them in context with the province's earlier history of precious metal production. The report expands the listing of significant gold-bearing deposits from 148 to 191. Production statistics are completed to the end of 1987 and reserve estimates are the most recent available in January 1989.  
BC NR PR PS SC

### Good jobs, bad jobs : employment in the service economy : a statement

Economic Council of Canada. Ottawa : The Council, 1990. x, 34 p. : ill. French ed. (*L'Emploi au futur...*) : 90-03558/1  
CSI 22215.213. ISBN 0-660-13458-6  
MICROLOG 90-03183 1 fiche (Available on fiche only)

This document summarizes the results of research on the employment changes that have occurred as the industrial structure of the Canadian economy has been transformed. It specifies which factors determine job creation in a service economy, the distributional impacts of the emerging job structure, and the role human resource development plays in a service economy. It also considers whether public policy has kept up with the changing labour market.  
CA LA ST

### The Goods and Services Tax : a general equilibrium analysis

by B. Hamilton and C.-Y. Kuo. Ottawa : Dept. of Finance, Tax Policy and Legislation Branch, 1989. 68 p. Bibliogr. (Working paper ; 89-3)  
MICROLOG 90-02076 1 fiche

Describes the Department of Finance's analysis of the long-term economic effects of sales tax reform. For the purpose of this analysis, the Department has developed a regional general equilibrium model of the Canadian economy. The data used in the model reflect the structure of the Canadian economy in 1984. However, the federal and provincial sales tax data were adjusted to reflect the substantial changes to these systems since 1984. The general equilibrium model incorporates observed data for an economy into a theoretically consistent economic framework. Within this



framework, it analyzes the effects of the tax change on relative prices and on activity in key sectors.

• CA CI CO

#### The Goods and Services Tax : comments on the technical paper

by M. Wrobel. Ottawa : Library of Parliament, Research Branch, 1989. 26 p. Bibliogr. (Backgrounder ; BP-212E) *French ed. (La Taxe sur produits...commentaires...) on the same fiche.* ISBN 0-660-13489-6 MICROLOG 90-05359 1 fiche

Examines a number of issues related to the GST. The discussion covers the impact of a number of items which the Department of Finance considers resolved at this time, as well as a number of items for which no resolution yet exists.

CA CI CO PA

#### Goods and Services Tax : draft legislation and explanatory notes

issued by Michael H. Wilson. Ottawa : Dept. of Finance, 1989. v. 207 p. MICROLOG 90-01235 3 fiche

Contains the draft legislative provisions relating to the Goods and Services Tax translated into legal language. It also provides explanatory notes. The draft legislative provisions are structured in 7 parts: interpretation; imposition of tax; tax on importation of goods; tax on imported taxable supplies; collection and remittance of tax; rebates; and miscellaneous. It also presents 3 schedules covering: exempt supplies; zero-rated supplies; and non-taxable importations.

CA CI CO

#### Goods and Services Tax : explanatory notes to Bill C-62 as passed by the House of Commons on April 10, 1990

Ottawa : Dept. of Finance, 1990. xxvi, 244 p. *French ed. (Taxe sur les produits...notes...) : 90-04988/4.* MICROLOG 90-04986 3 fiche

Contains explanatory notes to the seven parts of the Act: the Excise Tax Act; the Customs Act; the Customs Tariff; the Excise Act; the Income Tax Act; the Statistics Act; and the Tax Court of Canada Act.

CA CI CO

#### The Goods and Services Tax : provincial perspective

by R. Domingue. Ottawa : Library of Parliament, Research Branch, 1989. 19 p. (Backgrounder ; BP-210E) *French ed. (La Taxe sur les produits...perspective...) on the same fiche.* ISBN 0-660-13487-X MICROLOG 90-05357 1 fiche

Some provinces will oppose the Goods and Services Tax not only on the grounds of the tax's economic effects but also by claiming that it would be unconstitutional, would reduce their political room to manoeuvre and would adversely affect their own tax system. This paper examines the constitutional, political, and fiscal concerns that the proposed tax raises for the provinces that collect retail sales tax. It shows that some of the arguments they will try to use are invalid, while others remain to be proved.

CA CI CO PA

#### Goods and Services Tax : review of the House of Commons Finance Committee report

by R. Domingue. Ottawa : Library of Parliament, Research Branch, 1989. 8 p. (Backgrounder ; BP-223E) *French ed. (Taxe sur les produits...examen...) on the same fiche.* ISBN 0-660-13500-0 MICROLOG 90-05349 1 fiche

The House of Commons Finance Committee tabled an extensive report on the subject of the GST on 27 November 1989, after hearing 274 witnesses and receiving close to 1,500 submissions. This brief overview of the over 300-page report examines the Committee's principal recommendations and the major issues dealt with.

CA CI CO PA

#### Le Gouvernement du Canada et la politique canadienne

par R.J. Jackson. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 21, 20 p. Bibliogr. (Guides pédagogiques des études canadiennes) *Bilingue (Canadian government...)*. ISBN 0-662-56208-9 MICROLOG 90-01563 1 fiche

Ce guide porte sur le gouvernement et la politique canadiennes et fait partie d'une collection de sept ouvrages. Il comporte une introduction et des listes des ouvrages essentiels et des lectures complémentaires ainsi que des listes des ouvrages de référence, instruments de recherche, revues, microformes, documents audiovisuels et sources informatisées.

CA PA

#### Government cargo : a study to determine potential for greater participation by Ontario ports in shipments of government cargo

Toronto : Ministry of Transportation, Marine Office, 1988. 55 p. : ill. Bibliogr. ISBN 0-7729-5331-7 MICROLOG 90-00238 1 fiche

Summary of 3 studies to identify opportunities for the movement, through Ontario ports, of government-assisted shipments of agricultural commodities, manufactured goods and project cargoes shipped under aid programs, and goods purchases by governments or their agencies, since Ontario ports have thus received only an insignificant share of government transportation contracts.

ON PR SC ST TR

#### The Government of the Northwest Territories' native employment policy : a review and assessment

by M. Bell. Yellowknife : Legislative Assembly, Special Committee on the Northern Economy, 1989. viii, 76 p. ISBN 0-7708-5818-X MICROLOG 90-02636 2 fiche

This report presents the results of a review of the employment policy. It answers the following questions: has the policy succeeded? If it has been successful, what accounts for the success? If it has failed, what are the reasons for failure, and how can these be overcome? And what does this whole experience teach us about the development of a long-term economic development strategy?

LA NO NP PR

#### Government roofs in Dawson City, Yukon Territory : an assessment of design challenges and building practices

by D. Neufeld. Ottawa : Environment Canada, Canadian Parks Service, 1990. 23 p. : ill. Bibliogr. (Research bulletin ; no. 280) *French ed. (Toites des édifices...) on the same fiche.* ISSN 0228-1228 MICROLOG 90-04609 1 fiche

Because of planned repairs to the roofs of 3 buildings in Dawson City, it was necessary to establish the background and historic character of the original roofs. This paper provides information on the historic fabric of the roofs from their construction to their acquisition by the Canadian Parks Service in the late 1960s and analyzes the original design process and building practices utilized in several of the

major government buildings.

CA CU NO PL SC

#### Government-mandated citizen boards in the city of Winnipeg : an analysis

by L. Orr. Winnipeg : Manitoba Urban Affairs, 1988. iv, 102 p. Bibliogr. MICROLOG 90-00464 2 fiche

The purpose of this study is to examine and assess how formal legislated citizen boards function as citizen input mechanisms in public sector decision-making. It examines and assesses the effectiveness of existing citizen boards as citizen participation mechanisms and determines the representativeness of existing citizen boards in terms of the communities they serve.

MS MU PA PR

#### A Gradient approach for the O-D matrix adjustment problem

by H. Spiess. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 11 p. Bibliogr. (Publication ; no. 693) MICROLOG 90-06644 1 fiche

In the past, many different models using observed link volumes to estimate or adjust O-D matrices were proposed, but using them for real size networks is difficult because of the complexity of the computations involved and the need for very specialized software to carry them out. This paper presents a new gradient model which can and has been applied to large scale networks. Mathematically, the model is formulated as a convex minimization problem where, by following the direction of the steepest descent, it is ensured that the original O-D matrix is not changed more than necessary. The paper shows how this demand adjustment model can be implemented without the need to develop any new software, by using existing features of a standard transportation planning package (EMME/2). The model has been used successfully in urban and national scale projects in Switzerland, Sweden and Finland, using networks with up to 522 traffic zones and 12,460 links, results of which are given.

PR PS QU SC TR

#### Graduate training in survey research : the potential of area studies

by D.R. Forde...et al. Edmonton : University of Alberta, Dept. of Sociology, Population Research Laboratory, 1990. 23 p. Bibliogr. (Edmonton area series report ; no. 68) ISSN 0703-8763 MICROLOG 90-06446 1 fiche

Area studies have been used for over 35 years as a vehicle for teaching graduate students practical survey research methodology and promoting social science research. This paper describes two area studies, and compares the effectiveness of alternative approaches to graduate education using sample surveys.

• CA ED

#### Graduates from Canadian minerals engineering and technology programs in 1989 and a forward view

by J.E. Udd. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. iii, 11 p. : ill. (Report ; MRL 90-043(TR)) MICROLOG 90-07125 1 fiche

This report presents the results of an annual survey conducted to determine members graduating, and about to graduate, from minerals engineering and technology programs in Canadian institutions of higher learning. A brief overview of the trends noted is also included, along with details on the numbers of females graduating from such programs.

• CA CM NR PS SC



**Grain and forage crops : estimated production costs, Ontario, 1989**

by D. Hope, B. Campbell and B.D. Burgess.  
Toronto : Ministry of Agriculture and Food,  
Economics and Policy Coordination Branch,  
1989. 25 p. Bibliogr. (Economics information  
report ; no. 89-05) *CSI 55101.012*. ISSN  
0708-482X  
MICROLOG 90-03356 1 fiche

Includes estimates for grain and forage crops  
using computer programs that generate budgets  
and crop production cost estimates.  
AG ON PR SC ST

**Grain corn, public interest : preliminary examination of changed circumstances**

Ottawa : Canadian International Trade Tribunal,  
1989. 42, 42 p. : ill. *Bilingual (Mais-grain,  
intérêt...)*. *CSI 22197.201*. ISBN  
0-662-57201-7  
MICROLOG 90-03163 2 fiche

In March 1987, the Canadian Import Tribunal  
found that the subsidizing of importations into  
Canada of grain corn in all forms, excluding  
seed corn, sweet corn and popping corn,  
originating in or exported from the U.S., with  
certain exemptions, had caused, was causing  
and was likely to cause material injury to the  
production in Canada of like goods. A  
countervailing duty was imposed. In February  
1988, the level of countervailing duty was  
reduced and in 1989 the Tribunal was asked  
to reconsider the question and whether any  
new evidence had arisen leading to the need  
for a new inquiry into the subject. This report  
is the result of that request. The report gives  
data and an analysis of the current corn  
market; summarizes submissions from  
agricultural users, industrial users,  
governments, and corn users; and analyses the  
issues in the light of the 1988-89 drought, the  
Canada-U.S. free trade agreement, and the  
U.S. countervailing duty on pork.  
AG CA CO SC ST

**Grain deliveries at Prairie points, 1988-89**

Ottawa : Canadian Grain Commission, Economics  
and Statistics Division, 1989. ii, 72 p.  
*Bilingual (Livraisons de grains...)*.  
*CSI 22192.010*.  
MICROLOG 90-03041 1 fiche

Tables showing the total receipts at licensed  
primary elevators located at prairie shipping  
points, of the principal grains (wheat, oats,  
barley, rye, flaxseed and canola) for the crop  
year 1988-89 by province and by train runs  
within grain loading blocks. Also shown are  
average annual deliveries at each point from  
1978/9-1987/8. Total primary elevator capacity  
(expressed in wheat equivalent tonnes), number  
of companies, and number of elevator licences  
at each individual point as of August 1, 1989  
are also given.  
AG CA CO ST

**Grain handling and transportation : freedom to choose**

Edmonton : Alberta Agriculture, 1990. 35 p. : ill.  
On cover: *Freedom to choose : the way to a  
more market responsive, cost effective grain  
handling and transportation system.*  
MICROLOG 90-07359 1 fiche

Among Western Canada's objectives for change  
in federal agricultural policy, those regarding  
grain handling and transportation are of  
primary importance. This report identifies grain  
handling and transportation policy objectives  
appropriate for Western Canada, and presents  
a proposal on the approach required to  
achieve those objectives.  
AG AL PR SC TR

**Grain Research Laboratory (Canada) : Annual report 1989-90**

Ottawa : The Laboratory, 1990. 49 p. : ill.  
Bibliogr. *CSI 22192.004*.  
MICROLOG 90-06154 1 fiche

Annual report of the Laboratory, which  
maintains quality assurance for Canadian grain  
and market support. The report covers their  
75th anniversary open house; quality assurance  
activities including cargo and carlot monitoring,  
technical services, cultivar evaluation, and  
grading factor studies; market support activities  
including harvest and cargo surveys, technical  
consultations, and missions and studies; and  
research projects carried out on wheat, barley,  
and oilseeds. Also included are conference  
and meeting attendance, committee  
memberships, oral presentations, and scientific  
publications produced by staff.  
AG CA SC

**Grammaires logiques réversibles pour la traduction automatique**

par M. Dymetman et P. Isabelle. Laval,  
Québec : Ministère des communications,  
Centre canadien de recherche sur  
l'informatisation du travail, 1988. 34 p. : ill.  
Bibliogr. *L'éd. anglaise (Reversible logic  
grammars...)* : 90-04202/1. ISBN  
0-662-95424-6  
MICROLOG 90-04194 1 fiche

CRITTER est le système expérimental présenté  
dans ce document, qui est en train d'être  
développé comme banc d'essai pour un modèle  
de la traduction. Il est conçu pour traduire de  
l'anglais au français (et inversement) des  
rapports sur le marché de la viande, produits  
de façon hebdomadaire, par le ministère  
canadien de l'Agriculture.  
CA PS SC

**Grass genera of western Canadian cattle rangelands**

by S.G. Aiken and S.J. Darbyshire. Ottawa :  
Agriculture Canada, Research Branch, 1983.  
173 p. : ill. Bibliogr. (Monograph ; no. 29)  
ISBN 0-660-11386-4  
MICROLOG 90-03217 2 fiche

Western Canadian rangelands include all  
grazing land west of the Ontario-Manitoba  
border. 'Cattle' is used to distinguish  
grasslands where these animals are currently  
grazed from wildlife rangelands used by  
undomesticated herbivores. Introduced grasses  
are included along with native species in the  
generic descriptions. This key describes  
general vegetative and floral characters of  
grass morphology, as well as the specific  
genera. Generic descriptions and a glossary  
are included.  
AG CA EV SC

**Grass seed production under irrigation**

by H. Najda. Edmonton : Alberta Agriculture,  
1989. 7 p. (Agri-fax)  
MICROLOG 90-00207 1 fiche

Note providing information for those  
contemplating irrigated grass seed production,  
including advantages, species selection, site  
history and selection, seedbed preparation,  
stand establishment, stand management during  
seed production years, and taking out the  
grass stand.  
AG AL PR SC

**Grassroots initiatives, global success : report of the 1989 National Technology Policy Roundtable**

Ottawa : Science Council of Canada ; Canadian  
Advanced Technology Association ; Canadian  
Chamber of Commerce, 1990. 39 p. : ill.  
ISBN 0-662-17952-8  
MICROLOG 90-06573 1 fiche

In 1989, the Science Council of Canada, the  
Canadian Advanced Technology Association and  
the Canadian Chamber of Commerce joined  
forces to sponsor the National Technology  
Policy Roundtable on the theme of the  
'Technology Engine in Community Economic  
Development'. Public participation in the  
roundtable process was extensive. This report  
reflects a general consensus viewpoint of the  
Roundtable participants, covering the competitive  
challenge, science and technology in the  
economic development process, building and  
using the knowledge base, growing advanced  
technology companies, applying and using  
technology to build competitive strength, and the  
actions needed on the national and regional  
level.  
CA PS SC

**Great Lakes Pilotage Authority (Canada) : Annual report 1987**

Cornwall, Ont. : The Authority, 1988. 15 p.  
*Bilingual. CSI 22393.001*.  
MICROLOG 90-06768 1 fiche

The Authority's objectives are to establish,  
operate, maintain and administer a pilotage  
service in all Canadian waters in Ontario,  
Manitoba and in Quebec south of the northern  
entrance to the St. Lambert Lock. This annual  
report includes an overview of the year's  
activities, and a financial statement.  
CA SC TR

**Great Lakes Pilotage Authority (Canada) : Annual report 1989**

Cornwall, Ont. : The Authority, 1990. 15 p.  
*Bilingual. CSI 22393.001*.  
MICROLOG 90-05083 1 fiche

The objectives of the Authority are to establish,  
operate, maintain and administer a pilotage  
service in all Canadian waters in Ontario,  
Manitoba and in Quebec south of the northern  
entrance to the St. Lambert Lock. The annual  
report is presented here, giving an overview of  
the year's activities, a historical data summary  
for 5 years, and a financial statement.  
CA ON SC TR

**Great Lakes, great legacy?**

by T.E. Colborn...et al. Ottawa : Institute for  
Research on Public Policy ; Washington,  
D.C. : Conservation Foundation, 1990. xliii,  
301 p. : ill., maps. Bibliogr.  
MICROLOG 90-05203 4 fiche

Results of a 2-year study of the Great Lakes  
basin to assess environmental conditions and  
trends and the adequacy of government  
programs. The study explores the linkages  
between economic development and  
environmental quality in the Great Lakes basin  
and identifies the need for greater integration  
of environmental considerations with economic  
decisions affecting agriculture, energy, and  
other social investments. The study also  
emphasizes the importance of institutional  
structure to assure widespread involvement and  
participation in community decisions and action  
to deal with these issues.  
● CA EV EX ON SC

**Great lakes, great legacy? Foreword and overview**

Ottawa : Institute for Research on Public Policy ;  
Washington, D.C. : Conservation Foundation,  
1989. 29 p. ISSN 8902-5238 ISBN  
0-89164-115-7  
MICROLOG 90-00930 1 fiche

This study argues that simply augmenting  
actions already taken to remedy environmental  
degradation in the Great Lakes region, such as  
control of polluters, and piecemeal restrictions  
of physical development, is not a sufficient  
response. Rather, it shows that a far-reaching  
commitment to reduce the environmental assault  
on the Great Lakes from all sources is  
necessary. It also underscores the need for a



dramatic break from the crisis management approach to environmental degradation that persists in the region, and to develop a commitment to anticipate and prevent future legacies of environmental destruction.  
● CA CI EV ON SC

### The Great Northern Peninsula Development Corporation : an organizational framework for revitalization?

by P.R. Sinclair. Ottawa : Economic Council of Canada, 1989. viii, 61 p. Bibliogr. (Local development paper ; no. 6) ISSN 0225-8013 MICROLOG 90-04057 1 fiche (Available on fiche only)

The Great Northern Peninsula Development Corporation formed in 1987 is an attempt to apply the concept of a community development corporation to the socio-economic problems of a sparsely populated region. This report attempts to explain its emergence and examines its first steps towards development.  
● AP CA CO

### Greater Hamilton : the regional centre

Hamilton, Ont. : Hamilton-Wentworth Region, Planning and Development Dept., Strategic Planning Division, 1989. 8 p. : ill. (Report ; 88-2) MICROLOG 90-00146 1 fiche

Provides descriptive information on commercial, industrial, institutional, and residential aspects of the area. It also presents information on population, services, the historic buildings, transportation, and planning initiatives.  
MU ON SA

### Greater Hamilton construction trends development

Hamilton, Ont. : Hamilton-Wentworth Region, Planning and Development Dept., Strategic Planning Division, 1987. 8 p. : ill. (Report ; 87-3) MICROLOG 90-00204 1 fiche

This bulletin describes construction activity in the Region from January 1980 to September 1987 and compares 1980 to 1986 activity to that of other municipalities in Ontario and across Canada.  
MU ON PL

### Greater Hamilton economic trends

Hamilton, Ont. : Hamilton-Wentworth Region, Planning and Development Dept., Strategic Planning Division, 1989. 8 p. : ill. (Report ; 89-2) MICROLOG 90-00200 1 fiche

This bulletin outlines economic trends occurring within the Region since the recession of 1982-83, with particular emphasis on the post-1986 time period.  
CO MU ON

### Greater Hamilton industrial development economics

Hamilton, Ont. : Hamilton-Wentworth Region, Planning and Development Dept., Strategic Planning Division, 1987. 8 p. : ill. (Report ; 87-4) MICROLOG 90-00198 1 fiche

This bulletin describes the changes in the 1984-1986 period in land use within Hamilton-Wentworth's industrial areas, and the types of industries located on lands currently in industrial use.  
CO MU ON PL SC

### Greater Hamilton large office inventory development

Hamilton, Ont. : Hamilton-Wentworth Region, Planning and Development Dept., Strategic Planning Division, 1988. 8 p. : ill., maps.

(Report ; 88-1) MICROLOG 90-00199 1 fiche

Describes buildings with large office spaces of over 10,000 square feet in the Regional Municipality of Hamilton-Wentworth, and outlines changes from January 1985 to December 1987.  
CO MU ON PL SC

### Greater Hamilton population trends and projections

Hamilton, Ont. : Hamilton-Wentworth Region, Planning and Development Dept., Strategic Planning Division, 1989. 8 p. : ill. (Report ; 89-1) MICROLOG 90-00201 1 fiche

Summarizes the trends of age-specific population and household projections for the Region.  
MU ON SA

### Greater Hamilton, greater profits : a community profile

Hamilton, Ont. : Hamilton-Wentworth Economic Development Dept., 1989. 76 p. : ill., maps. MICROLOG 90-01928 1 fiche

This publication describes the following aspects of the region: the market characteristics, economic base, labour, transportation, community amenities, communications and media, utilities, and government.  
CO MU ON

### A Green strategy for the greater Toronto waterfront : background and issues : a discussion paper

by R. Reid, R. Lockhart and B. Woodburn. Toronto : Royal Commission on the Future of the Toronto Waterfront, 1990. 211 p. : fold. maps. Bibliogr. (Report ; 8) ISBN 0-662-17671-5 MICROLOG 90-04972 3 fiche

The Royal Commission on the Future of the Toronto Waterfront has been asked to consider an overall strategy for green spaces along the shore within the context of competing priorities and expectations. This report summarizes all available information on current ecological, recreational, and public uses and values along the waterfront and associated river valleys; progress of public agencies in maintaining or creating waterfront open space and recreational facilities; trends in public demand and attitudes that affect the shape and balance of waterfront uses; gaps and barriers to a linked system of waterfront and valleyland green spaces; issues and opportunities that should be addressed by a green strategy; and actions necessary to implement a green strategy.  
CA EV MU ON PL SC

### The Greenhouse effect and the Alberta fossil fuels industry : a discussion paper

by E.J. Wiggins and W.J. Yurko. Edmonton : Alberta Oil Sands Technology and Research Authority, 1989. 44 p. : ill. MICROLOG 90-02283 1 fiche

This study represents a preliminary attempt to assess the effects on the Alberta fossil fuels industry if international action is taken to limit emissions of 'greenhouse gases', and the measures that might be considered to minimize any negative impact on the provincial economy. The study considers the likely effects on the fossil fuel industry if an arbitrary reduction in fuel use were mandated by national or international policy, and the alternative forms of economic activity that might be available to Alberta, as well as possible ways of reducing the net emission of carbon dioxide to the atmosphere by reducing energy production from fossil fuels.  
AL EN EV PR SC

### Greenhouse vegetable production in Essex County : production costs and practices, 1986 and 1987

by G.A. Fisher. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1988. iii, 16 p. Bibliogr. (Economics information report ; no. 88-05) CSI 55137.007. ISSN 0708-482X ISBN 0-7729-4370-2 MICROLOG 90-04704 1 fiche

This report presents the results of a study on production costs and practices for 1986, as well as the updated cash costs of greenhouse tomatoes and cucumbers for 1987. In order to be able to study separately the costs and practices involved in the production of either greenhouse grown tomatoes and cucumbers, a confidential list of only those growers who produced either one of these crops was provided. In addition, the survey excluded growers with under 22,000 sq ft of production. Through the use of accounting production, marketing and other records, information was tabulated for each cooperating grower. Methods of calculating costs are given, along with a general methodology.  
AG ON PR SC

### Ground skidding second-growth timber in coastal British Columbia : a case study

by R.E. Roger and A.J. MacDonald. S.I. : Forest Resource Development Agreement, 1989. v, 19 p. : ill. Bibliogr. (FRDA report ; 101) ISSN 0835-0752 ISBN 0-662-17384-8 MICROLOG 90-04436 1 fiche

Evaluation of the productivity and profitability of ground skidding second-growth timber in coastal B.C. using 2 Caterpillar 518 rubber-tired cable skidders and a Caterpillar D4H skidder. The study was located 6 km south of Metchosin, B.C. in an area with a primarily second-growth Douglas-fir and balsam stand composition. The skidders were monitored at a detailed timing level for 10 days. During 3 of the detailed timing days, individual stems in each turn were scaled and graded. Skidding costs and profits for the detailed timing production were estimated using marginal economic analysis techniques.  
● BC CA FO PR SC

### Ground water issues in the North

by D. Naughton. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1987. 23 p. : maps. Bibliogr. (NIHRI contribution ; no. 87009) ISSN 0838-1992 MICROLOG 90-06482 1 fiche

This report describes the need for specific ground water studies in the North. Monitoring of leakage from the tailings ponds at the Canada Tungsten mine and regional hydrogeologic monitoring in Wood Buffalo National Park are discussed in some detail. Research on northern hydrogeological processes and monitoring of resource developments are identified as programs requiring ground water investigations in the future. Uranium mining is singled out as a special case apart from the general category of mining-related ground water issues, because of the federal government's responsibility for uranium mining and the nuclear fuel cycle.  
CA NO NR SC

### Groundfish stock assessments for the west coast of Canada in 1989 and recommended yield options for 1990

A.V. Tyler and J. Fargo, editors. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, Pacific Biological Station, 1990. v, 343 p. : ill. Bibliogr. (Canadian technical report of fisheries and



aquatic sciences ; no. 1732) ISSN 0706-6457  
MICROLOG 90-05010 4 fiche

Stock assessments and yield options for lingcod, Pacific cod, petrale sole, Dover sole, rock sole, English sole, arrowtooth flounder, sablefish, Pacific hake, spiny dogfish, walleye pollock, Pacific ocean perch, yellowmouth rockfish, rougheye rockfish, redstripe rockfish, silvergray rockfish, yellowtail rockfish, canary rockfish, quillback rockfish, copper rockfish, and yelloweye rockfish. Biological considerations only, rather than economic factors, are considered. The yield options are quantitative and are based on a series of appropriate mathematical methods, including virtual population analysis, dynamic pool analysis, and Fournier stock-reconstruction procedures. Alternative options address the possibility of the fishery managers' considering high risk and low risk yields in relation to a stock's potential to produce.

• BC CA CF FI SC

### Groundwater databases for Yukon and NWT

Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1989. iii, 60 p. : ill. Bibliogr. (Environmental studies ; no. 65) ISBN 0-662-17678-2  
MICROLOG 90-04412 1 fiche

A computerized groundwater database is being developed for the Yukon and Northwest Territories, to include all available data on water supply wells, monitoring wells, springs and seeps, and other hydrogeological aspects. This report gives a brief introduction to groundwater in the north of sixty degrees regions and explains the need for and benefits of the databases; provides details of the databases, their design, software and hardware requirements, the nature and organization of data they contain, and procedures for accessing and submitting data; and discusses the potential applications of the databases in such fields as groundwater exploration, environmental protection, scientific studies and regulatory control, while providing an overview of hydrogeological technology and the current state of groundwater regulations and legislation.

CA EV NO SC

### Groundwater resources protection from drilling waste, Northwest Territories and Yukon

Piteau Engineering Ltd. ; prepared under contract for the Water Resources Division, Natural Resources and Economic Development Branch, Dept. of Indian and Northern Development. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1988. v, 98 p. : ill. Bibliogr. (Environmental studies ; no. 62) ISBN 0-662-17183-7  
MICROLOG 90-00444 2 fiche

In many regions of the Yukon and Northwest Territories, the presence of permafrost creates a potential for pollution of groundwater different from that common in temperate climates. Oil and gas exploratory drilling produces substantial volumes of liquid and solid wastes and environmental damage may be caused if they are toxic. This study compiles existing information on drilling wastes through a literature review and interviews with government and oil industry personnel, and identifies hydrogeological information deficiencies for northern regions, and research needs.

• CA EN EV NO SC

### Groupe de travail sur la productivité forestière : rapport annuel

Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 7 p. L'éd. anglaise (Forest Productivity Working Group...) sur la même fiche. Présenté à la Conférence des gouverneurs de la Nouvelle-Angleterre et des premiers

ministres de l'est du Canada.  
MICROLOG 90-00522 1 fiche

C'est en 1981, dans le cadre de la Conférence des Gouverneurs de la Nouvelle-Angleterre et des Premiers Ministres de l'est du Canada, que le Groupe de travail sur la productivité forestière (GTPF) a été constitué dans le but d'étudier la question de la baisse de productivité forestière et de faire des recommandations visant à assurer la viabilité à long terme de cette ressource essentielle. Ce rapport annuel en donne les points saillants.

AP CA EX FO SC

### Growing benefits from the forest

prepared by the Forestry Development Directorate, Quebec Region, Forestry Canada ; in collaboration with Luc Bouthillier. Sainte-Foy, Que. : Canada-Quebec Subsidiary Agreement on Forest Development, 1989. 20 p. : ill. French ed. (Un Capital à faire...) on the same fiche. CSI 22358.002. ISBN 0-662-16958-1  
MICROLOG 90-00914 1 fiche

Publication setting out the significant features of federal-provincial cooperation in Quebec's forestry sector. The publication summarizes the major initiatives taken to develop the province's forest lands, including provincial Crown land, small private woodlots owned by individuals, and forest areas on Indian lands. The results of these initiatives are given on the forest base, for employment, for yield increases, and for research.

CA FO QU SC ST

### A Growing opportunity : Alberta's forest resources

Edmonton : Alberta Forestry, Lands and Wildlife, 1990. 28 p. : ill. ISBN 0-86499-701-9  
MICROLOG 90-07357 1 fiche

This brochure describes the extent of the forests in Alberta, the government's role in managing them, and planning for the future. Wildlife inhabiting the forest is described, as is the effect of forest fires, timber harvesting, the forest industry and its products, education programs, and methods of regenerating harvested and burnt-over areas.

AL FO PR SC

### Growing together : a vision for Canada's agri-food industry

Ottawa : Agriculture Canada, 1989. 74 p. : ill. French ed. (Partenaires dans la croissance...) : 90-02027/1. ISBN 0-662-17343-0  
MICROLOG 90-02026 1 fiche

The last 20 years have challenged the Canadian farming community. The expansion of the 1970s, followed by the high debt, drought and trade wars of the 1980s, have shown clearly the vulnerability of the sector to changing markets, economic factors and weather. This document discusses the the strength of the Canadian agri-food industry, and reviews the agri-food policies and practices. It also examines the process of choosing a new vision, and proposes directions for a change.

AG CA CO

### Growth and movement of *Homarus Americanus* on the outer coast of Nova Scotia

by R.J. Miller...et al. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Marine Fish Division, Biological Sciences Branch, Biological Station, 1989. v, 17 p. : maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1716) ISSN 0706-6457  
MICROLOG 90-03219 1 fiche

Increasing the recruit size of American lobsters may be the advice most frequently given by lobster biologists to fishermen and fisheries managers, who respond by asking if the larger lobsters will move away from their fishing

grounds, how quickly they will grow to the new legal size, and will they die of natural causes first. This report answers the first two questions. Tagged lobsters were released in 1978 and 1979 at one location each, and in 1982 at 7 locations, all on the outer (Atlantic) coast of Nova Scotia. The 1978 and 1979 releases were designed to show growth and movement of a large range of sizes, whereas the 1982 releases were intended to demonstrate to fishermen the amount of movement and growth of the recruit molt class only. The recruit molt class is the size group within one molt larger than minimum legal size. Because the interests of fishermen are often specific to their own fishing area, published studies of growth and movement are reviewed for several areas of Atlantic Canada and Maine, U.S.A. as a reference source.

• AP CA CF FI LS SC

### Growth and yield of northwestern Ontario boreal (coniferous) forest species : an annotated bibliography

by W. Bell, C.J. Hanmore and A.J. Willcocks. Thunder Bay, Ont. : Ministry of Natural Resources, Northwestern Ontario Forest Technology Development Unit, 1989. iii, 211 p. (Technical report ; no. 31)  
MICROLOG 90-03323 3 fiche

Annotated bibliography for growth and yield of Northwestern Ontario boreal forests, concentrating on jack pine, lodgepole pine, red pine, black spruce, and white spruce. Articles pertaining to species related to Northwestern Ontario boreal conifers are also included. Of the 14 subject areas covered, the main emphasis was placed on growth and development, spacing, thinning, fertilization, and wood quality. Bibliographies are arranged in alphabetical order by author. Indices are given for author and key species and subject.

FO ON PR SC

### Growth of scallop spats

by S. Tanaka, A. Saito and K. Kawamura. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5322) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-02105 1 fiche

Results of an experiment conducted to examine the growth and survival rate of scallop spats in the early stage of development and to provide information on spat release into the sea. Spats in the early stage were collected by natural seed collection on July 1, then suspended vertically off a raft in pearl-nets in 5 metres of water. Measurements of increase in the shell-length and survival rates of each group was conducted 6 times between July 1 and September 20.

• CA CF FI SC

### Growth room temperature control with water-source heat pumps

by H. Speiser and R. Pitblado. S.I. : Canadian Society of Agricultural Engineering ; St. Joseph, MI : American Society of Agricultural Engineers, 1989. 11 p. : ill. Written for presentation at the 1989 International Summer Meeting jointly sponsored by the American Society of Agricultural Engineers and the Canadian Society of Agricultural Engineering  
MICROLOG 90-03940 1 fiche

In order to develop and evaluate effective control measures for insect pests, researchers must be assured of a known and uniform infestation within their research plots. Ridgeway College began rearing their own insects, specifically the European Corn Borer, for research purposes 5 years ago, using a small clay-block building equipped with electric unit heaters and window air conditioners to maintain the desired air temperatures. Room



air temperatures would fluctuate 3C-4C from the desired air temperatures and the thermostats had to be manually adjusted twice daily to simulate day/night temperature swings. More space was required and a new rearing facility was planned, possibly using water source heat pumps to provide improved temperature controls. This paper determines the performance and economics of using water-to-air heat pumps to provide environmental temperature control in 8 insect rearing rooms for year-round production.  
AG EN ON PR SC

#### Guelph dairy research report

published for the Ontario Agricultural College, Dept. of Animal and Poultry Science. Guelph, Ont. : University of Guelph ; Toronto : Ministry of Agriculture and Food, 1989. vi, 188 p. : ill. Bibliogr.  
MICROLOG 90-01896 3 fiche

Summary of research activities of the dairy research program at the University of Guelph from June 1988-June 1989. Programs are categorized under breeding and genetics, health management, nutrition, and physiology and behaviour.  
AG ON PR SC

#### Guidance document for the elemental characterization of liquid waste samples

by D. Boomer and F. Hopper. Toronto : Environment Ontario, 1989. i, 10 p. Bibliogr. ISBN 0-7729-5982-X  
MICROLOG 90-01194 1 fiche

A key component of the Municipal/Industrial Strategy for Abatement (MISA) program is the development of a comprehensive database of contaminant discharges to surface waters in Ontario. This document presents an overview of the approach adopted to meet the analytical needs for monitoring the majority of the elemental parameters. For a few parameters, additional special techniques are required but these are not described in detail.  
EV ON PR PS SC

#### Guidance for incinerator design and operation, vol. 1 : general

Toronto : Environment Ontario, 1988. x, 320 p. : ill. Bibliogr.  
MICROLOG 90-00232 4 fiche

Report to provide guidance to ensure that incinerators proposed for installation and operation in the province will be well designed and comply with the Ministry's standards and guidelines. The report is also intended to be used in the evaluation of incinerator design and applications for approval by the Ministry. The report discusses the applicable legislation and regulations and reviews the provincial approval process; discusses the equipment available for handling wastes and the layout of that equipment; and presents design evaluation techniques for combustion chambers, heat recovery equipment, and emission control devices.  
EV ON PR PS SC

#### Guide : classification canadienne descriptive des professions -- 9e éd.

Ottawa . Emploi et immigration Canada, Direction générale des informations sur les professions et les carrières, 1989. iii, 354 p. CSI 22398 001.  
MICROLOG 90-06872 4 fiche

La classification canadienne descriptive des professions (CCDP) est une classification systématique et détaillée de descriptions de professions, c'est-à-dire des différents emplois occupés par les travailleurs canadiens. Ces descriptions d'emplois sont un résumé des activités de base d'un certain nombre d'emplois similaires qui peuvent se trouver dans différentes entreprises ou secteurs d'activité. Ce document se penche sur les points

suivants: la description d'une profession de la CCDP; la classification particulière; les catégories de titres de professions; les catégories professionnelles particulières; les méthodes de consultation de la CCDP; les titres et codes des grands groupes, sous-groupes et groupes de base; et, les nouvelles descriptions de professions de la CCDP.  
• CA LA

#### Guide 1989 des activités du Groupe interministériel de recherche et développement énergétiques du gouvernement du Canada

Ottawa : Énergie, mines et ressources Canada, Bureau de recherche et de développement énergétiques, 1989. i, 23, i, 19 p. Bilingue (1989 guide to the activities...). ISBN 0-662-56452-9  
MICROLOG 90-01227 1 fiche

Établi en 1974, le GRDE possède un rôle central de planification et d'élaboration de politiques. Il doit identifier de nouvelles possibilités, mettre fin aux programmes complétés et évaluer des stratégies et des priorités à la lumière des changements d'objectifs en matière de politique énergétique et de changements dans la situation nationale et internationale. Par conséquent, ce document se penche sur ces questions et porte particulièrement sur l'évolution des enjeux, allant des problèmes d'approvisionnement sûr en énergie aux questions actuelles des techniques énergétiques viables sur le plan de l'environnement. De plus, le document décrit les programmes du GRDE, par activités. l'utilisation rationnelle de l'énergie, le charbon, la fusion, les énergies renouvelables et l'environnement générique, les carburants de remplacement, le pétrole, le gaz et l'électricité.  
CA EN PS SC

#### Le Guide d'intervention sur mesure en formation de base : expérimentation, consultation, suivi : rapport

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction générale de l'éducation des adultes, 1988. 226 p. ISBN 2-550-14803-7  
MICROLOG 90-02521 3 fiche

On trouvera dans ce document, le rapport de l'expérimentation et de la consultation faites auprès des groupes mentionnés dans le document, la synthèse des principaux besoins qui se dégagent de l'expérimentation et de la consultation ainsi que les suites à donner et le plan de travail qui s'ensuit pour 1988-89.  
ED PR QU

#### Guide d'utilisation de la coupe avec protection de la régénération : abattage mécanisé

rédigé par Bruno Canuel. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service des traitements sylvicoles, 1989. vi, 30 p. : ill. MICROLOG 90-02501 1 fiche

Ce guide est consacré à la 'coupe avec protection de la régénération'. On y décrit les divers moyens dont on dispose actuellement pour protéger la régénération préalable avec les équipements de récolte offerts sur le marché.  
EV FO PR QU SC

#### Guide d'utilisation du réseau géodésique en milieu urbain

Québec : Gouvernement du Québec, Service de la géodésie, 1989. ii, 71 p. : ill. MICROLOG 90-04348 1 fiche

Le réseau géodésique se présente comme une référence spatiale car à l'aide de son système de coordonnées tridimensionnelles, il permet de situer dans l'espace les différents détails physiques de l'environnement. Ce document

porte sur les points suivants: un système de référence universel; la localisation des points sur la surface terrestre; la gestion des données du réseau géodésique québécois; l'établissement des canevas complémentaires urbains; et, les levés de détail.  
EV PR PS QU SC

#### Guide de bonnes pratiques pour l'aménagement des structures d'entreposage des fumiers

Québec : Gouvernement du Québec, Ministère de l'environnement, 1989. 164 p. : ill., cartes géogr.  
MICROLOG 90-02975 2 fiche

Ce document comporte sept chapitres. Les chapitres 1 et 2 traitent des aspects se rattachant à la gestion des effluents d'élevage (classification et évaluation des volumes à entreposer) et au choix de la structure d'entreposage appropriée au cas à l'étude. Le chapitre 3 présente les principales exigences environnementales à respecter pour assurer le maintien de la qualité de l'air et de l'eau. Le chapitre 4 présente toutes les étapes de conception d'un système d'entreposage (études préliminaires, design et optimisation, confection des plans et normes de présentation). Le chapitre 5 quant à lui présente les étapes importantes de la réalisation du projet (choix de l'entrepreneur et surveillance des travaux). Finalement, les chapitres 6 et 7 traitent des responsabilités et des rôles de chacun des intervenants.  
AG EV PR QU SC

#### Guide de l'inspecteur des semences d'arbres forestiers : certification du matériel forestier de reproduction destiné au commerce international conformément au système de l'OCDE

par F.T. Portlock. Ottawa : Gouvernement du Canada, Service canadien des forêts, 1988. v, 44, v, 44 p. Bibliogr. (Rapport d'information : DPC-X-22F) Bilingue (Forest tree seed inspector's...). ISSN 0705-324X ISBN 0-662-55445-0  
MICROLOG 90-01185 2 fiche

Le Canada, à titre de membre de l'Organisation de coopération et de développement économique (OCDE), a participé à l'élaboration d'un système de réglementation du commerce international du matériel forestier de reproduction. Ce système a pour objectif de favoriser la production et l'utilisation de matériel forestier de reproduction qui a été récolté, conditionné, cultivé et distribué de façon à en assurer l'authenticité. Ce document présente un Guide qui a pour objectif de donner des directives pratiques détaillées pour s'assurer que les méthodes de certification sont bel et bien respectées.  
• CA CO FO SC

#### Guide de présentation des rapports de recherches

par S. Desjardins et J. Chauveau. Québec : Gouvernement du Québec, Ministère des transports, 1989. vii, 33 p. Bibliogr. (Études et recherches en transports) ISBN 2-550-19861-1  
MICROLOG 90-02830 1 fiche

Lorsqu'on publie un document, c'est avant tout pour qu'il soit lu. Le rapport de recherche est particulièrement sensible à la présentation, car c'est un document spécialisé dont la lecture demande souvent une attention soutenue. Ce document présente le mode de présentation choisi. Il tient compte à la fois de la structure et du contenu du rapport. Il aborde particulièrement les sujets suivants, les règles relatives à la rédaction du rapport, les règles générales de présentation du rapport, les étapes techniques, les abréviations et les symboles courants, ainsi qu'une liste d'ouvrages sur la grammaire.  
PR QU TR



## Guide de prévention des infections : l'utilisation des antimicrobiens dans les établissements de santé

voir Guide d'utilisation des antimicrobiens dans les établissements de santé

## Guide des glaces fluviales au Nouveau-Brunswick

Nouveau-Brunswick. Sous-comité sur la glace des cours d'eau. Ottawa : Environnement Canada, Direction des eaux intérieures ; Fredericton : Ministère de l'environnement, 1989. ii, 18, ii, 18 p. : ill. Bibliogr. (Contribution de l'INRH : no 88005 ch. 4) *Bilingue (New Brunswick river ice...)*. ISSN 0838-1992 MICROLOG 90-05384 1 fiche

Ce guide vise avant tout à présenter les éléments de base des phénomènes des glaces fluviales ainsi que les techniques de réduction; il présente une simple et courte analyse des connaissances sur le sujet, donne une description des divers procédés de glace; donne diverses techniques de surveillance de la glace de même que les données essentielles à recueillir à l'aide de programmes de surveillance terrestre; et, se penche sur les méthodes de contrôle de la glace. AP CA NR PR PS SC

## Guide des pensions

Ottawa : Conseil national du bien-être social, 1989. 78 p. : ill. Bibliogr. L'éd. anglaise (*Pension primer*) : 90-00778/1. ISBN 0-662-95620-6 MICROLOG 90-00777 1 fiche

Ce guide met à jour un rapport publié par le Conseil national du bien-être social en avril 1984 et présente les changements dans les régimes de retraite qui ont été adoptés depuis ce temps par les gouvernements. Le rapport fournit des renseignements assez détaillés sur chacun des trois paliers du système de revenus de retraite (programmes fédéraux, provinciaux et territoriaux, régimes de retraite professionnels et enregistrés d'épargne-retraite). Finalement, les différents annexes présentent un aperçu des trois paliers, énumèrent les allègements fiscaux pour les personnes âgées, et indiquent les programmes provinciaux et territoriaux qui intéressent tout particulièrement les personnes âgées. CA CO

## Guide des services offerts à l'exportation

Québec : Ministère des affaires internationales, Direction des communications, 1989. 140 p. ISBN 2-550-19477-2 MICROLOG 90-01014 2 fiche

Recueil renfermant plus de 600 adresses, numéros de téléphone, services et programmes, le 'Guide des services à l'exportation' représente un document indispensable pour quiconque s'intéresse au commerce extérieur et aux affaires internationales. Le guide consiste en un index alphabétique d'un certain d'organismes et de sous-organismes; trace le profil des organismes et sous-organismes répertoriés et donne un bref résumé de leur mandat ainsi qu'un aperçu des services et des programmes qu'ils offrent aux entreprises québécoises; et, traite de sujets divers comme le rôle des associations sectorielles, le marketing international et les formalités de voyage. EX PR QU

## Guide descriptif des programmes de sécurité du revenu

Québec : Gouvernement du Québec, Ministère de la main-d'oeuvre, de la sécurité du revenu et de la formation professionnelle, 1990. 121 p. CSF 66173.202. ISBN 2-551-14172-9 MICROLOG 90-05116 2 fiche

Ce document présente l'édition 1990 du guide descriptif des programmes de sécurité du revenu. Il vise à fournir une information tant sur les modalités d'application des programmes que sur l'évolution de la clientèle. Il se penche particulièrement sur les programmes de sécurité du revenu en vigueur au Québec en 1989, incluant les programmes de transferts monétaires et de services, les subventions fiscales et les crédits d'impôt. CO PR QU ST

## Guide du directeur de projet

Ottawa : Travaux publics Canada, Services d'architecture et de génie, 1989. 12, 10 p. : ill. (Série sur l'évaluation du rendement des immeubles ; Document A1) *Bilingue (Project manager's guide)*. MICROLOG 90-02169 1 fiche

Ce document présente la question de l'évaluation du rendement des immeubles et décrit comment la série peut être utilisée dans la gestion des projets d'immobilisation. Le rendement des immeubles est le résultat de la performance de ceux-ci dans les trois zones de rendement: énergétique et environnemental; fonctionnel; systèmes et matériel. La série est un abrégé de la documentation sur l'évaluation du rendement définie selon des paramètres identifiables. Elle décrit les essais que le directeur de projet peut appliquer à une gamme de problèmes de rendement des répertoires d'essais et de l'information générale sur l'évaluation du rendement des immeubles. CA PL PW SC

## Guide du gérant d'immeuble

Ottawa : Travaux publics Canada, Services d'architecture et de génie, 1989. 11, 9 p. : ill. (Série sur l'évaluation du rendement des immeubles ; Document A2) *Bilingue (Property manager's guide)*. MICROLOG 90-02168 1 fiche

Ce document présente la question de l'évaluation du rendement des immeubles. Il est également un guide expliquant comment la série entière peut être utilisée pour gérer les biens immobiliers. Le rendement des immeubles est le résultat de la performance de ceux-ci dans les trois zones de rendement: énergétique et environnemental; fonctionnel; et, systèmes et matériel. CA PL PW SC

## Guide du service de diététique dans les petits établissements de santé : rapport

Canada. Groupe de travail chargé d'une étude du Service de diététique. Ottawa : Ministère de la santé nationale et du bien-être social, Direction générale des services et de la promotion de la santé, Direction des services de santé, 1988. ix, 158 p. Bibliogr. L'éd. anglaise (*Guidelines for the operation...*) : 90-01765/2. ISBN 0-662-95104-2 MICROLOG 90-01764 2 fiche

Le service de diététique a pour objectif de maintenir et d'améliorer l'état de santé des malades et du personnel. Pour ce faire, il doit: administrer le service selon des normes et des politiques acceptées tout en respectant les budgets prévus; servir des aliments sains, nutritifs et appétissants; être une source d'information fiable en matière de nutrition, et, promouvoir et organiser des programmes d'éducation en matière de nutrition. Ce guide a pour objet de fournir de l'information propre à faciliter la gestion efficace du service de diététique dans les petits établissements de santé. CA HE

## Guide parlementaire québécois

Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1988. 224 p. Bibliogr. (Bibliographie et documentation ; 28) ISBN 2-551-12008-X MICROLOG 90-01041 3 fiche

Le guide donne la liste des élections partielles et mentionne la raison du départ de l'ancien titulaire du siège en jeu; donne la liste des vice-présidents de l'Assemblée, identifie les membres du Conseil législatif et les présente par ordre alphabétique; donne la liste des députés par circonscription; donne une clef d'accès à la suivante en établissant la filiation des ministères depuis 1867; et finalement, met à jour le nom des ministres qui étaient membres du Conseil législatif. PA PR QU

## Guide pour l'établissement de normes : programmes de traitement de la douleur chronique : guide

Comité consultatif des services médicaux et des services en établissements (Canada). Sous-comité sur les guides relatifs aux programmes institutionnels. Ottawa : Ministère de la santé nationale et du bien-être social, Direction générale des services et de la promotion de la santé, Direction des services de santé, 1990. xiii, 34 p. Bibliogr. ISBN 0-662-95849-7 MICROLOG 90-06655 1 fiche

Les changements survenus dans les modes de prestation des services de santé ont rendu nécessaire l'établissement de guides pour faciliter la planification et la mise en oeuvre de programmes et de services dans les établissements. Ce guide fait partie d'une série de publications produites sous la direction du Sous-comité sur les guides relatifs aux programmes en établissement. On y donne une définition uniformisée des exigences prévues pour un certain nombre de services et de programmes de soins spéciaux dans les établissements de santé. ● CA HE

## Guide pour l'établissement de normes régissant les services dispensés aux personnes âgées atteintes de troubles mentaux dans les établissements de soins prolongés : guide

Comité consultatif des services médicaux et des services en établissements (Canada). Sous-comité sur les guides relatifs aux programmes institutionnels. Ottawa : Ministère de la santé nationale et du bien-être social, Direction générale des services et de la promotion de la santé, 1990. xiv, 116 p. Bibliogr. L'éd. anglaise (*Guidelines for...elderly...*) : 90-06654/2. ISBN 0-662-95946-9 MICROLOG 90-06657 2 fiche

L'objet de ce guide est de donner un aperçu détaillé des exigences relatives aux services dans les établissements de santé. Il fait partie d'une série de publications produites sous la direction du Sous-comité sur les guides relatifs aux programmes en établissement. On y donne une définition uniformisée des exigences prévues pour un certain nombre de services et de programmes de soins spéciaux dans les établissements de santé. ● CA HE SA

## Guide pour l'établissement de normes régissant les services gériatriques dispensés dans les hôpitaux de soins actifs : guide

Comité consultatif des services médicaux et des services en établissements (Canada). Sous-comité sur les guides relatifs aux programmes institutionnels. Ottawa : Santé et bien-être social, Direction général des services et de la promotion de la santé, 1990. xi, 55 p. Bibliogr. L'éd. anglaise (*Guidelines for...geriatric...*) : 90-05547/1. ISBN 0-662-95947-7 MICROLOG 90-06656 1 fiche

Les changements survenus dans les modes de prestation des services de santé ont rendu



nécessaire l'établissement de guides pour faciliter la planification et la mise en oeuvre de programmes et de services dans les établissements. Ce guide fait partie d'une série de publications produites sous la direction du Sous-comité sur les guides relatifs aux programmes en établissement. On y donne une définition uniformisée des exigences prévues pour un certain nombre de services et de programmes de soins spéciaux dans les établissements de santé.

• CA HE

#### Guide pour l'établissement des coûts des extrants au Gouvernement du Canada

Ottawa : Bureau du Contrôleur général, 1989. 25, 23 p. : ill. *Bilingue (Guide to the costing...)*.  
MICROLOG 90-04878 1 fiche

Ce guide sert de modèle pour établir les coûts des extrants dans des situations diverses, notamment pour déterminer des taux pour le recouvrement des coûts et l'établissement du coût des résultats à l'intérieur du cadre de planification opérationnelle. A cette fin, ce guide fournit une définition des termes et concepts clés de la comptabilité analytique. On y trouve aussi les étapes à suivre habituellement pour déterminer les coûts des extrants, les décisions qui doivent être prises à chacune des étapes ainsi que les éléments de coût et les calculs qui étaient ces décisions. La dernière partie présente une étude de cas.

• CA CO PA

#### Guide pour les concessions de licences et les entreprises en participation -- 6e éd.

par H.J. Slitt et S.R. Baker. Toronto : Ministère de l'industrie, du commerce et de la technologie, 1990. 105 p. Bibliogr. *L'éd. anglaise (The Licensing and joint...)*.  
90-06422/2. ISBN 0-7729-3433-9  
MICROLOG 90-06423 2 fiche

Ce livre a pour but d'aviser les propriétaires ou gérants de petites entreprises, en particulier, qu'il existe un troisième moyen, plus approprié, pour ceux dont les ressources sont limitées, de rechercher une technologie à l'extérieur de ses propres ressources. L'acquisition de droits sur les produits d'autres compagnies. Il explique donc les types de droits disponibles et traite des aspects commerciaux et juridiques liés à cette possibilité. Il envisage également les avantages liés à cette acquisition et les moyens d'y parvenir.

ON PR SC

#### Guide sur la gestion des déchets contenant des biphényles polychlorés (BPC) -- Rev.

Direction des programmes industriels, Conservation et protection, Environnement Canada. Ottawa : Conseil canadien des ministres de l'environnement, 1989. xii, 112 p. : ill. Bibliogr. (Rapport ; CCME-TS/MM-TRE008F) *L'éd. anglaise (Guidelines for the management of wastes...)*  
90-01263/2. ISBN 0-662-95669-9  
MICROLOG 90-01264 2 fiche

Ce guide a pour but principal de recommander des méthodes écologiques de gestion des déchets contenant des biphényles polychlorés (BPC). Il traite des procédures à suivre pour la mise hors service, la décontamination, le stockage, le transport, l'élimination, l'étiquetage, la tenue de registres et de plans de mesure d'urgence, dans le cas des équipements et des récipients contaminés par les BPC ainsi que des déchets contaminés solides et liquides.

CA EV SC

#### Le Guide sur les politiques canadiennes relatives à la limitation des armements, au désarmement, à la défense et à la solution des conflits, 1989

rédaction, Johanne Di Donato, Peter Gizewski, Michael Holmes ; révision, Ron Purver. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1989. 311 p. Bibliogr. *L'éd. anglaise (The Guide to Canadian policies...)* : 90-00395/3. ISBN 0-662-95645-1  
MICROLOG 90-01585 4 fiche

Ce guide présente un panorama des principaux événements survenus dans les domaines de la paix et de la sécurité internationale au cours de l'année écoulée, et résume les déclarations et les débats parlementaires s'y rattachant. Le guide permet de suivre les développements clés qui ont marqué les progrès du monde vers la limitation des armes nucléaires et la réduction des forces conventionnelles en Europe. Il examine les perspectives d'ententes relatives aux armes chimiques et aux essais nucléaires, et il explique en quoi consistent les menaces qui pèsent sur les initiatives entreprises à l'échelle internationale pour limiter la prolifération des armes nucléaires. Il donne un aperçu de l'évolution des conflits qui font rage au Liban, en Asie du Sud-Est et ailleurs dans le monde.

• CA EX

#### Guide to British Columbia school accreditation, vol. I : secondary

Victoria : Ministry of Education, 1990. iii, 21 p.  
MICROLOG 90-06806 1 fiche

Accreditation of schools dates back to the 1920's, but the process that most closely resembles its current form began in 1955. From then until the early 70's, the school's performance on provincial examinations was a major factor in accreditation. This document contains an analysis of the accreditation process. It also examines the roles and responsibilities of the accreditation process.

BC ED PR

#### The Guide to Canadian policies on arms control, disarmament, defence and conflict resolution, 1989

writers, Johanne Di Donato, Peter Gizewski, Michael Holmes ; editor, Ron Purver. Ottawa : Canadian Institute for International Peace and Security, 1989. 272 p. Bibliogr. *French ed. (Le Guide sur les politiques...)*  
90-01585/4. ISBN 0-662-17259-0  
MICROLOG 90-00395 3 fiche

Contains a check list of issues in the field of peace and security. It identifies the major policy issues to which Canada responded in the period between mid-July 1988 and mid-July 1989, and places them in context, and, where appropriate, identifies a range of Parliamentary comment on these issues. For official Canadian policies, it relies entirely on public statements by Government leaders and responsible officials. It discusses arms control and disarmament, defence, and conflict resolution.

CA CI EX

#### A Guide to consultant research assignments and the Ontario Joint Transportation Research Programme

Ontario. Ministry of Transportation. Research and Development Branch. Downsview, Ont. The Branch, 1987. 28 p.  
MICROLOG 90-00027 1 fiche

Guide providing information to universities, research agencies and consultants as to the administrative, technical and financial considerations governing the submission of proposals and the subsequent execution of approved projects for external R&D work for which the R&D Branch, Highway Engineering

Division, is responsible. This work is mainly aimed at improvements in the design, construction, maintenance and operation of the provincial highway system.

ON PR SC TR

#### A Guide to identification of benthic Isopoda from the southern Beaufort Sea

edited by M.J. Lawrence and M.A. Keast. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. v, 76 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences, no. 2048) *This is the 12th manuscript report from the Central and Arctic region, Winnipeg.* ISSN 0706-6473  
MICROLOG 90-04053 1 fiche

Assessments of the effects of coastal development activities on the nearshore aquatic environment often rely upon pre- and post-development monitoring of benthic invertebrate populations and communities. This report presents a guide to 16 species of benthic isopods from the southern Beaufort Sea, including its coastal embayments. The guide discusses 4 suborders, the Aseliota, Gnathiidea, Valvifera, and Euphausiacea. It is subdivided into suborder, family, and species, and is artificial and dichotomous in design. Illustrations, references, and species descriptions are included.

• CA CF FI LS NO SC

#### A Guide to identification of Decapoda, Euphausiacea, and Mysidacea from the southern Beaufort Sea

edited by M.A. Keast and M.J. Lawrence. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. v, 61 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences, no. 2047) *This is the 13th manuscript report from the Central and Arctic Region, Winnipeg.* ISSN 0706-6473  
MICROLOG 90-04051 1 fiche

Guide to 3 eumalacostracan orders (Decapoda, Euphausiacea and Mysidacea) from the southern Beaufort Sea and its coastal embayments. The keys are artificial and dichotomous, using mutually exclusive couplets where possible. Phylogenetic relationships are not demonstrated. Several distinctive characters are provided within the keys to aid in identification. Key characters selected are absolute, easily perceived, and constant, except where noted. A glossary of terms used in the text is also included. The keys are for the adult stages of the euphausiids and mysids, but include both adults and juveniles of the decapods.

• CA CF FI LS NO SC

#### A Guide to implementation and operation of vehicle emissions inspection clinics

by D. Cope, F. Lavallée and R. Solman. Ottawa : Environment Canada, 1988. vii, 94 p. : ill. (Report ; IP-90)  
MICROLOG 90-02382 2 fiche

Vehicle emissions inspection clinics are a method of advertising an environmental agency's work in the field of vehicle emissions and their control and for disseminating information to the public. They can also serve as a source of data with respect to the in-use fleet of vehicles in a particular area. Ideas for and suggestions on how to plan, organize and run an inspection clinic are presented in this report. Agencies are encouraged to collect data following the standard format outlined in the text. Standardization of data recording will provide information which is more cross-comparable than may have been the case for previous clinics.

• CA EV SC TR



**A Guide to legislation relevant to planning in Nova Scotia**

Halifax : Dept. of Municipal Affairs, 1988.  
333 p.  
MICROLOG 90-06522 4 fiche

The purpose of the guide is to assist planners and others in locating references in provincial and federal legislation which are pertinent to planning in the municipal units of Nova Scotia. It has been compiled as an information source only and is not to be substituted for reference to the actual legislation itself.  
AP JU PL PR SC

**A Guide to Native organizations in Alberta, 1990**

Edmonton : Alberta Municipal Affairs, 1990.  
31 p. ISSN 0828-8534  
MICROLOG 90-04867 1 fiche

Listing of native organizations, giving name, address, manager and phone number for each. The organizations are categorized by area served, covering arts and crafts, business and employment development, communications, education, friendship centres, housing, Indian Bands, isolated community associations, representative groups (Alberta Federation of Metis Settlement Associations, Indian Association of Alberta, Metis Association of Alberta), social services, tribal/regional councils, and women's groups. Indices are included for names and organizations.  
AL NP PR SA

**A Guide to retail commercial development planning in Nova Scotia**

Halifax : Dept. of Municipal Affairs, Community Planning Division, 1987. xiii, 128 p. : maps.  
MICROLOG 90-05041 2 fiche

Report addressing retail commercial development in large and small towns but not in metropolitan or large urban areas. The report provides municipal planners, planning advisory committees, municipal councils, downtown improvement groups and private consultants in Nova Scotia with a good description of the issues and methods of commercial development planning, set within a provincial context. The report gives advice on determining the need for new retail space, describes the form of retail expansion and its location downtown or at the periphery, discusses local options and zoning requirements, and describes methods of revitalizing commercial districts.  
AP CO PL PR SC

**A Guide to site identification and interpretation for the Kamloops Forest Region**

by D. Lloyd...et al. Victoria : Ministry of Forests, 1990. iii, 399 p. : ill. Bibliogr. (Land management handbook ; no. 23) ISSN 0229-1622 ISBN 0-7718-8921-6  
MICROLOG 90-07007 5 fiche

Guide to the ecosystem classification in the Kamloops Forest Region. The guide describes the principles under which the classification system was developed; the procedures for site classification; the various zones, and management interpretations. Appendices cover common plant species, tree species, soil textures, soil moisture and nutrient regimes, common rocks, and physiographic areas.  
BC FO LS PR SC

**Guide to the costing of outputs in the Government of Canada**

Ottawa : Office of the Comptroller General, 1989. 23, 25 p. : ill. Bilingual (Guide pour l'établissement des...)  
MICROLOG 90-04878 1 fiche

This guide serves as a model for costing outputs in a variety of situations, including rate development for cost recovery and the costing

of results within the Operational Planning Framework. It provides definitions of basic cost accounting terms and concepts. In addition, the steps that would typically be followed in the costing of outputs are discussed, together with the decisions that must be made at each step and the cost components and calculations required to support each decision. It concludes with a case study.  
● CA CO PA

**Guide to the organization of the Department of Justice Canada**

Canada. Dept. of Justice. Ottawa : The Dept., 1989. 51, 53 p. Bilingual (Répertoire du ministère...). ISBN 0-662-56470-7  
MICROLOG 90-05566 2 fiche

This guide sets out basic information about the organization of the Department of Justice, its major organizational units, their main functions and activities, and the positions and names of the people responsible for them.  
● CA JU

**A Guide to the ovarian histology of Pacific cod**

by D.G. Bowden, R.P. Foucher and A.V. Tyler. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, Pacific Biological Station, 1990. iii, 44 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1723) ISSN 0706-6457  
MICROLOG 90-05014 1 fiche

The development of the ovary of Pacific cod was examined macroscopically and by microscopic cross section. Oocyte growth and development were recorded by photomicrography for correlation with macroscopic maturity stages of the ovary. Characteristics were described for each maturity stage. A glossary of commonly encountered terms was compiled for use in future investigations of reproductive biology of fishes.  
● BC CA CF FI LS SC

**Guide to the Tungavik Federation of Nunavut land claim Agreement-in-Principle**

Ottawa : Indian and Northern Affairs Canada, 1990. iv, 11 p. : map. French ed. (Sommaire de l'Entente...) on the same fiche.  
MICROLOG 90-04757 1 fiche

The Tungavik Federation of Nunavut, the Government of Canada and the Government of the Northwest Territories have ratified an Agreement-in-Principle to settle the comprehensive land claim initiated by the Inuit in 1976. This document contains a summary of the Agreement-in-Principle.  
CA NO NP

**Guide to weed control, 1990**

Toronto : Ministry of Agriculture and Food, 1989. 208 p. : ill. CSI 55101.004. ISSN 0836-1045  
MICROLOG 90-05849 3 fiche

This guide includes both general and specific information on the uses and equipment for herbicides and pesticides. Specific recommendations are made for various field crops, horticultural crops, and roadsides and non-crop areas.  
AG ON PR SC

**Guide d'utilisation des antimicrobiens dans les établissements de santé**

Bureau de l'épidémiologie des maladies transmissibles, Direction générale de la protection de la santé, et la Direction des services de santé, Direction générale des services et de la promotion de la santé. Ottawa : Ministère de la santé national et du bien-être social, Direction générale de la protection de la santé, 1990. ix, 24 p.

Bibliogr. L'éd anglaise (Guidelines for antimicrobial...) sur la même fiche. Sur la couv.: Guide de prévention des infections : l'utilisation des antimicrobiens dans les établissements de santé.  
MICROLOG 90-06676 1 fiche

L'objectif principal de ce document est d'aider les professionnels de la santé à améliorer la qualité des soins prodigués aux patients. Un guide d'utilisation des antimicrobiens est nécessaire pour aider à mettre au point des politiques, des modalités et des mécanismes d'évaluation en vue d'assurer une qualité optimale des soins de santé. Les lignes directrices que contient ce guide facilitent l'élaboration de normes et permettent de respecter l'autonomie de chaque établissement et de reconnaître son autorité et sa responsabilité en ce qui concerne la qualité des soins prodigués aux patients par l'établissement. Le document se penche particulièrement sur le programme d'utilisation des antimicrobiens dans les établissements de santé et les composantes essentielles du programme d'utilisation des antimicrobiens.  
CA HE SC

**Guidelines for an environmental impact assessment of a 345 kV transmission line from Salisbury to Bathurst/Belledune**

issued to the New Brunswick Electric Power Commission. Fredericton : Environment New Brunswick, 1990. 9, 9 p. Bilingual (Lignes directrices...de Salisbury...)  
MICROLOG 90-03189 1 fiche

Document to provide guidance to the New Brunswick Electric Power Commission (NB Power) relating to the substance, scope, and conduct of an environmental impact assessment (EIA) of a proposal by NB Power to construct and operate a 345 kV transmission line from Salisbury to Bathurst/Belledune. The document covers the conduct of the EIA and report preparation, description of the project and the existing environment, and valued environmental components.  
AP EN EV PR SC

**Guidelines for an environmental impact assessment of the second New England intertie 345 kV transmission line**

issued to the New Brunswick Electric Power Commission. Fredericton : Environment New Brunswick, 1990. 10, 10 p. Bilingual (Lignes directrices...la deuxième...)  
MICROLOG 90-03188 1 fiche

Guidelines for the New Brunswick Electric Power Commission (NB Power) relating to the substance, scope, and conduct of an environmental impact assessment (EIA) of a proposal by NB Power to construct and operate a 345 kV transmission line from the Point Lepreau Generating Station to the New Brunswick-State of Maine border. The guidelines cover the conduct of EIA and report preparation, description of the project and the existing environment, and the valued environmental components.  
AP EN EV PR SC

**Guidelines for antimicrobial utilization in health care facilities**

Bureau of Communicable Disease Epidemiology, Health Protection Branch, and the Health Services Directorate, Health Services and Promotion Branch, Ottawa : National Health and Welfare, Health Services and Promotion Branch, 1990. ix, 22 p. Bibliogr. French ed. (Guide d'utilisation...) on the same fiche. On cover: Infection control guidelines : antimicrobial utilization in health care facilities.  
MICROLOG 90-06676 1 fiche

Guidelines formulated to assist health care facilities in developing and implementing institutional programs to promote appropriate



antimicrobial use. Emphasis is placed on the general principles of antimicrobial use, the essential components of an institutional use program, and the organization and implementation of such a program. An annotated bibliography is included.  
CA HE SC

**Guidelines for assessing accommodation requirements for persons with disabilities under the Ontario Human Rights Code (1981) as amended**

Ontario Human Rights Commission. Toronto : Ministry of Citizenship, 1989. 21, 21 p. *Bilingual (Directives pour l'évaluation...)*. ISBN 0-7729-5963-3  
MICROLOG 90-03269 1 fiche

First phase of guidelines on accommodations to be issued by the Commission. These guidelines deal only with the protected ground of 'handicap'. They state the Commission's interpretation of what is meant by accommodation of the needs of persons with disabilities and what will constitute undue hardship in the context of disability complaints.  
ON PR SA

**Guidelines for Canadian drinking water quality -- 4th ed.**

Federal-Provincial Advisory Committee on Environmental and Occupational Health (Canada). Subcommittee on Drinking Water. Ottawa : Health and Welfare Canada, 1989. 25 p. *French ed. (Recommandations pour la qualité...)* on the same fiche. ISBN 0-660-13271-0  
MICROLOG 90-03927 1 fiche

This booklet is the 4th edition of the guidelines, including those guidelines approved by the Conference of Deputy Ministers of Health as of June 1989. Since the 1987 guidelines were published, no evidence has been presented which questions the suitability of new, revised or reaffirmed values included in that edition. These values have, therefore, been adopted and are presented in this edition as confirmed guidelines. Changes to the previous guidelines for chemical and physical characteristics, as well as those for microbiological characteristics, are proposed in this edition. These guidelines are intended to apply to all drinking water supplies, public and private. Guidelines are given for microbiological, chemical and physical, and radiological characteristics. The booklet also includes an explanation of terms used.  
CA EV SC

**Guidelines for comprehensive services to elderly persons with psychiatric disorders**

Ottawa : Dept. of National Health and Welfare, Health Services and Promotion Branch, Mental Health Division, 1989. 34 p. *French ed. (Lignes directrices pour la prestation...)* on the same fiche. ISBN 0-662-94783-5  
MICROLOG 90-01763 1 fiche

Report on the needs of the psychogeriatric patient, and the comprehensive service systems required to address those needs. It does not provide a detailed blueprint or standard for service planning and delivery but identifies mechanisms and outlines principles that can be applied in accordance with the varying needs, structures and circumstances of different regions. The report covers the assessment process, management and treatment options, coordination of services and resources, and the use of volunteers and voluntary agencies.  
BS CA HE SA

**Guidelines for controlling snowdrifting on Canadian highways**

by H.A. Baker and C.J. Williams. Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1990. xiii, 109 p. : ill. *Bilingual (Propositions*

*pour le contrôle...)*  
MICROLOG 90-07198 2 fiche

Guidelines for highway maintenance crews to minimize snowdrifting related problems along public thoroughfares in Canada. The primary focus is to minimize the quantity of drifting snow approaching a highway using devices placed upwind of the road such as snowfences, landscaping or adjacent terrain modification. Primary research was conducted in southern Ontario, New Brunswick and the Dempster Highway in the Yukon and NWT.  
CA SC TR

**Guidelines for design and operation of biomedical incinerators in Nova Scotia -- Rev.**

Halifax : Dept. of the Environment, 1989. 32 p. : ill. Bibliogr.  
MICROLOG 90-04598 1 fiche

Guidelines intended to familiarize hospital and medical laboratory officials, health care institution representatives, and their consultants with the Nova Scotia Dept. of the Environment's requirements for the approval of the design and installation of biomedical incinerators. The guidelines apply only to incinerators which handle biomedical waste and cover current technology in biomedical waste incineration, including the incineration process itself, principles of combustion, biomedical waste incineration, design characteristics, and incinerator design comparisons. A preferred technology is given.  
AP EV HE PR SC

**Guidelines for establishing standards for geriatric services in acute-care hospitals : guidelines**

Federal-Provincial Advisory Committee on Institutional and Medical Services (Canada). Sub-Committee on Institutional Program Guidelines. Ottawa : Health and Welfare Canada, Health Services and Promotion Branch, 1990. xi, 46 p. Bibliogr. *French ed. (Guide pour...gériatriques...)* : 90-06656/1. ISBN 0-662-17624-3  
MICROLOG 90-05547 1 fiche

One of a series of guidelines to provide a consistent definition of requirements for a number of special-care units, services and programs in health institutions and the community. These guidelines address geriatric services in acute-care hospitals. Guidelines cover both geriatric assessment and treatment units and geriatric day hospitals and include program allocation, patient load in the inpatient unit, bed requirements, non-bed unit requirements, program organization and policies, personnel requirements, equipment, space allocation and special design features.  
CA HE SA

**Guidelines for establishing standards for services to elderly residents with mental health problems in long-term care facilities : guidelines**

Federal-Provincial Advisory Committee on Institutional and Medical Services (Canada). Sub-Committee on Institutional Program Guidelines. Ottawa : Health and Welfare Canada, Health Services and Promotion Branch, 1990. xii, 108 p. Bibliogr. *French ed. (Guide pour...âgées...)* : 90-06657/2. ISBN 0-662-17623-5  
MICROLOG 90-06654 2 fiche

Technological advancements and changes in the delivery of health care services have led to the need for guidelines to assist in planning and implementing health programs and services in institutions and the community. These guidelines provide a consistent definition of requirements for a number of special care units, services and programs in health institutions, and the community.  
CA HE SA

**Guidelines for establishing standards for special services in hospitals : report**

Federal-Provincial Advisory Committee on Institutional and Medical Services (Canada). Sub-Committee on Institutional Program Guidelines. Ottawa : Health and Welfare Canada, Health Services and Promotion Branch, Health Services Directorate, 1988. x, 41 p. *On cover: Emergency units in hospitals : guidelines.* ISBN 0-662-16828-3  
MICROLOG 90-03504 1 fiche

Guidelines providing a comprehensive outline of requirements for services in health institutions, including patient distribution, distribution of units, administrative policy, procedures and control, staff guidelines, hospital support services, regional services, space requirements and special design features and equipment. Also included are the relationship of the emergency medical system to external agencies and hospital resources, recommended minimal requirements, subjects for which written policies should be established, and special methods of treatment for pediatric patients, family violence victims, and trauma patients.  
CA HE SC

**Guidelines for estimating crops and produce in storage**

by O.H. Freisen and S.L. Martin. Winnipeg : Manitoba Agriculture, Farm Business Management, 1989. 9 p. (Information update)  
MICROLOG 90-01448 1 fiche

Bulletin illustrating some formulas for taking inventory of crops and produce in storage in metric, with methods of conversion  
AG MS PR SC

**Guidelines for immigration officers on the exercise of discretionary powers prepared pursuant to the judgement rendered by Justice Jerome in the case of Ken Yung Yhap**

Ottawa : Employment and Immigration Canada (Commission), 1989. 6, 6 p. *Bilingual (Lignes directrices à l'intention...)*.  
MICROLOG 90-03638 1 fiche

The Guidelines cover legal authority, the exercise of discretionary powers, parameters for the exercise of discretion, the definition of humanitarian and compassionate grounds, and public policy situations.  
CA EX JU

**Guidelines for maintaining high conception in the cow herd while using A.I. -- Rev.**

Alberta. Beef and Sheep Branch. Edmonton : Alberta Agriculture, 1988. 1 p. (Agri-tax)  
MICROLOG 90-02563 1 fiche

Guidelines to artificial insemination, including heat detection, semen storage and handling, insemination, and management.  
AG AL PR SC

**Guidelines for mineral exploration**

Victoria : Ministry of Energy, Mines and Petroleum Resources, 1989. ii, 61 p. : ill. ISBN 0-7718-8771-X  
MICROLOG 90-00751 1 fiche

Guidelines written to inform individuals and companies of the requirements for conducting mineral exploration in the province in compliance with the Mines Act. Coverage includes relevant legislation and approvals, work guidelines such as clearing and slash hazard abatement, road construction, drilling, trenching, and underground development; and reclamation, including campsites, trenches, drill sites and major excavations, underground portals and waste dumps, roads, revegetation methods and revegetating with shrubs. Regulations covering uranium and thorium are also included.  
BC NR PR PS SC



**Guidelines for mobile polychlorinated biphenyl destruction systems**

Ottawa : Canadian Council of Ministers of the Environment, 1990. xiv, 73 p. : ill. Bibliogr. (Report : CCME-TS/WM-TRE011E) *French ed. (Lignes directrices applicables aux...)* : 90-06126/1. ISBN 0-662-17657-X MICROLOG 90-06123 1 fiche

This report is one in a series dealing with the treatment, destruction and management of polychlorinated biphenyl (PCB) wastes in Canada. The report recommends appropriate procedures for application, siting, and operational requirements for mobile PCB destruction systems in Canada. These recommendations are not enforceable by law as federal and provincial regulatory agencies have the legal authority and responsibility to develop regulations in their jurisdictions. The main focus of the report is to describe or recommend protocols for each step of the PCB waste management process for generic mobile technologies that can be applied immediately and/or are most promising for use in Canada. Generic technologies addressed include high temperature incineration (rotary kiln, liquid injection) and other thermal degradation techniques (pyrolysis, thermal radiation, and plasma arc) that are intended to destroy PCB-containing wastes of both high and low concentration. CA EV SC

**Guidelines for mobile polychlorinated biphenyl treatment systems**

Ottawa : Canadian Council of Ministers of the Environment, 1990. xiv, 61 p. : ill. Bibliogr. (Report : CCME-TS/WM-TRE012E) *French ed. (Lignes directrices applicables aux...)* : 90-06125/1. ISBN 0-662-17658-8 MICROLOG 90-06124 1 fiche

This report is one in a series dealing with the treatment, destruction and management of polychlorinated biphenyl (PCB) wastes in Canada. The report recommends appropriate procedures for application, siting, and operational requirements for mobile PCB treatment systems in Canada. The technologies addressed are chemical dechlorination processes for bulk-oil PCB decontamination, and in-situ treatment systems. CA EV SC

**Guidelines for operating a day care facility for children in Nova Scotia**

Halifax : Dept. of Community Services, 1990. 17 p. MICROLOG 90-05550 1 fiche

This publication is designed to assist operators and staff of Day Care facilities in the province to meet the following licensing requirements: a physical environment which is safe for young children and meets the requirement of health and fire authorities; a daily program which stimulates the children's development, includes activities to encourage language development, and provides a balance of indoor and outdoor play; nutritionally-balanced meals and snacks, and an appropriate number of trained staff members. AP PR SA

**Guidelines for protecting child victims of abuse and neglect, part 1 : health and community services**

Fredericton : The Province, 1990. 32 p. *Bilingual (Lignes directrices...partie 1...)* MICROLOG 90-05030 1 fiche

This document examines the law in New Brunswick covering child abuse. It defines child abuse and specifies how child abuse is recognized. It then presents guidelines concerning this matter for the Department of Health and Community Services. AP CI JU PR SA

**Guidelines for protecting child victims of abuse and neglect, part 2 : physicians**

Fredericton : The Province, 1989. 23 p. *Bilingual (Lignes directrices...partie 2...)* MICROLOG 90-05031 1 fiche

Examines the law in New Brunswick covering child abuse. It defines child abuse and specifies how child abuse is recognized. It then presents guidelines concerning this matter for physicians. AP CI JU PR SA

**Guidelines for protecting child victims of abuse and neglect, part 3 : foster homes, group homes and other child care facilities**

Fredericton : The Province, 1989. 20 p. *Bilingual (Lignes directrices...partie 3...)* MICROLOG 90-05032 1 fiche

This document examines the law in New Brunswick covering child abuse. It defines child abuse and specifies how child abuse is recognized. It then presents guidelines concerning this matter for foster homes, group homes, and other child care facilities. AP CI JU PR SA

**Guidelines for protecting child victims of abuse and neglect, part 4 : early childhood development facilities**

Fredericton : The Province, 1990. 21 p. *Bilingual (Lignes directrices...partie 4...)* MICROLOG 90-05033 1 fiche

Examines the law in New Brunswick covering child abuse. It defines child abuse and specifies how child abuse is recognized. It then presents guidelines concerning this matter for early childhood development facilities. AP CI JU PR SA

**Guidelines for protecting child victims of abuse and neglect, part 5 : justice**

Fredericton : The Province, 1990. 44 p. *Bilingual (Lignes directrices...partie 5...)* MICROLOG 90-05034 1 fiche

This document examines the law in New Brunswick covering child abuse. It defines child abuse and specifies how child abuse is recognized. It then presents guidelines concerning this matter for the Department of Justice and the Department of the Solicitor General. AP CI JU PR SA

**Guidelines for protecting child victims of abuse and neglect, part 6 : education**

Fredericton : The Province, 1990. 12 p. *French ed. (Lignes directrices...partie 6...) on the same fiche.* MICROLOG 90-05035 1 fiche

Examines the law in New Brunswick covering child abuse. It defines child abuse and specifies how child abuse is recognized. It then presents guidelines concerning this matter for schools and student services personnel. AP CI JU PR SA

**Guidelines for protecting child victims of abuse and neglect, part 7 : income assistance**

Fredericton : The Province, 1990. 22 p. *Bilingual (Lignes directrices...partie 7...)* MICROLOG 90-05036 1 fiche

This document examines the law in New Brunswick covering child abuse. It defines child abuse and specifies how child abuse is recognized. It then presents guidelines concerning this matter for the Department of Income Assistance. AP CI JU PR SA

**Guidelines for protecting child victims of abuse and neglect, part 8 : resource section**

Fredericton : The Province, 1990. 75 p. Bibliogr. *Bilingual (Lignes directrices...partie 8...)* MICROLOG 90-05037 1 fiche

Contains guidelines for interviewing children, guidelines for testifying in court, and information on indicators of child abuse and neglect, prevention of child abuse and neglect, the multi-disciplinary team and child abuse, treatment of child abuse and neglect, relevant sections of the Family Services Act, and provisions under the Criminal Code of Canada relating to child abuse and neglect. AP CI JU PR SA

**Guidelines for real property appraisers : standards for the preparation of real property appraisal reports for Public Works Canada -- Rev.**

Ottawa : Public Works Canada, Realty Services, 1990. vi, 37, vi, 39 p. *Bilingual (Principes directeurs...)* ISBN 0-662-57269-6 MICROLOG 90-03916 1 fiche

This document presents information on real property appraisal reporting standards, and appraisals under the Expropriation Act. CA SA

**Guidelines for river ice data collection programs**

by T.D. Prowse. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. ii, 30 p. Bibliogr. (NHRI contribution ; no. 88006) ISSN 0838-1992 MICROLOG 90-06487 1 fiche

Report presenting a set of observational guidelines designed around fundamental field data which has maximum cost-benefit utility, including consideration of the practicalities and logistical difficulties involved in field data collection programs. Observations were designed for a user who has limited access to a river and who must perform all monitoring from a single bank location. Descriptions are also given of other data collection programs. CA NR PS SC

**Guidelines for the appointment of public body auditors**

Victoria : Ministry of Finance and Corporate Relations, 1990. 13 p. ISBN 0-7726-1099-1 MICROLOG 90-06815 1 fiche

Discusses the application of the guidelines, the type and mandate of audits to be conducted, the process for selecting an auditor, reporting guidelines, remuneration guidelines, terms and conditions of approval, and procedures for obtaining approval of public body auditors. BC CO PA PR

**Guidelines for the management of wastes containing polychlorinated biphenyls (PCBs) -- Rev.**

Industrial Programs Branch, Environment Protection, Conservation and Protection, Environment Canada. Downsview, Ont. : Canadian Council of Ministers of the Environment, 1989. xii, 105 p. : ill. Bibliogr. (Report : CCME-TS/WM-TRE008E) *French ed. (Guide sur la gestion des déchets...)* : 90-01264/2. ISBN 0-662-17288-4 MICROLOG 90-01263 2 fiche

Manual recommending environmentally sound practices for the management of wastes containing polychlorinated biphenyls (PCBs). Procedures for decommissioning and decontamination, storage, transportation, disposal, labelling and recordkeeping, and emergency preparedness for PCB-contaminated equipment and containers, as well as for solid



and liquid wastes are covered. Regulations governing generation, storage, transportation and disposal of PCB wastes and emergency response planning are generally administered by the provinces for wastes containing PCBs that are managed within the provinces.  
CA EV SC

#### Guidelines for the operation of the Department of Dietetics in smaller health care facilities : report

Canada. Working Group on the Dept. of Dietetics. Ottawa : Ministry of National Health and Welfare, Health Services and Promotion Branch, Health Services Directorate, 1981. viii, 92 p. Bibliogr. French ed. (Guide du service de diététique...) : 90-01764/2 ISBN 0-662-11409-4  
MICROLOG 90-01765 2 fiche

The guidelines include information on the departmental manual, staff management, education and training, financial and statistical data, foodservice management, purchasing, food storage, menu planning, standard diets, food preparation, standardization of recipes, sanitation and safety of foods, dish and pot washing, and energy conservation.  
CA HE

#### Guidelines for the preparation of an environmental impact statement on air transportation proposals for the Toronto area

Ottawa : Environmental Assessment Panel, 1990. 22 p.  
MICROLOG 90-06686 1 fiche

Transport Canada has proposed a 2-stage plan to relieve air traffic congestion in the Toronto area. This document addresses the first stage of the plan, the addition of 2 runways at Lester B. Pearson International Airport. The document, prepared by the Environmental Assessment Panel reviewing air transportation proposals in the Toronto area, contains the guidelines for the preparation of an environmental impact statement (EIS) for the first stage and identifies the priority issues and concerns which the Panel has determined should be addressed. Guidelines are given for addressing project need, alternatives, project description, environmental impacts, social and economic impacts, monitoring, residual effects and cost, safety, and the public consultation program.  
● CA EV ON SC TR

#### Guidelines for the representative depiction of visible and ethnic minorities and aboriginal peoples in government communications

Ottawa : Treasury Board of Canada, Secretariat, 1984. 9 p. Presented at the Meeting of the Continuing Committee of Officials on Human Rights. Bilingual (Lignes de conduite...)  
MICROLOG 90-02827 1 fiche

The guidelines help correct biases and stereotypes which constitute barriers to full participation in Canadian society. The guidelines apply to all internal and external federal government communications. This includes written, visual and oral material produced by the federal government, or contracted for or purchased from the private sector.  
● CA CI NP PA SA

#### Guiding juvenile salmonids around obstacles and through thermoclines

by R. Bams. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 8 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1701) ISSN 0706-6457  
MICROLOG 90-01116 1 fiche

During investigation of the colonization of habitats inaccessible to anadromous coho, problems arose in how to guide large numbers of fish around different types of physical barriers that may be present during different phases of their life-history. This report describes the successful passing of fingerlings through excessively warm surface waters of a lake and smolts around a 700 m stretch of cascades having a vertical drop of about 70 m in several abrupt falls, often among sharp rocks and without cushioning plunge pools. The techniques were developed and tested at a small lake in the Koksilah River watershed, first colonized in 1985 with coho fry obtained from various locations in the adjacent Cowichan River in the southeastern part of Vancouver Island.  
● BC CA CF FI SC

#### Gull Lake

Edmonton : Alberta Environment, 1989. 11 p. : ill.  
MICROLOG 90-00242 1 fiche

Brochure presenting findings of water quality studies on Gull Lake, a large, shallow lake located 14 km west of Lacombe. The physical and hydrological qualities are discussed, and an explanation given of such lake characteristics as temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics.  
AL EV PR SC

#### Gutless protobranchia (Bivalvia)

by A.P. Kuznetsov and A.A. Shileyko. Ottawa National Research Council, Canada Institute for Scientific and Technical Information, 1985. 23 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5150) Originally published in Russian, in the USSR ISSN 0704-3716  
MICROLOG 90-00091 1 fiche

Material accumulated by expeditions of the Institute of Oceanology of the USSR Academy of Sciences made it possible to broaden the knowledge of the Solemyda anatomy. Some of these organisms have been known from the end of the 19th century to have very weak development of the digestive tract combined with hypertrophied ctenidia. This paper describes the internal structure of 4 species of the Solemyda order: *Petrasma atacama* sp. nov., *Acharax eremita* sp. nov., *Nucinnella viridula* sp. nov., and *N. maxima* (Thiele and Jaekel).  
● CA CF FI LS SC

#### Guysborough County

compiled by Philip L. Hartling. Halifax : Public Archives of Nova Scotia, 1990. 14 p. (Nova Scotia genealogical sources county guide series ; no. 7) ISBN 0-88871-154-9  
MICROLOG 90-06506 1 fiche

This document provides a quick access via a standard list to specific sources available at the Public Archives of Nova Scotia. The list is divided into published sources (published genealogies; published community/county histories; directories; and newspapers) and manuscript sources (papers of families and individuals; church registers; community records and unpublished histories; cemetery inscriptions; census records; education papers, land records; vital statistics; deeds, wills; and some map sources).  
AP PR SA

#### Gypsum in northern Ontario : resources and market potential

by Hains Technology Associates and R.K. Bezyz ; edited by J.E. Muir. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Mineral Development and Lands Branch, 1990. iv, 56 p. : ill., maps. Bibliogr. (Industrial mineral

background paper ; 12) ISSN 0228-7811 ISBN 0-7729-6582-X  
MICROLOG 90-05901 1 fiche

This report describes the gypsum resources of northern Ontario, the geology of the deposits, then the specific deposits in the Moose River Basin. A discussion of markets, with the uses, supply and trade, commercial requirements and trends, and market opportunities concludes the report. A list of patents and a description of stucco production processes is also included.  
NR ON PR PS SC

#### Gypsum, anhydrite potential, Meadows Road area, Cape Breton County

by G.C. Adams. S.I. : Canada-Nova Scotia Mineral Development Agreement, 1988. 29 p. ill. Bibliogr. (Open file report ; 88-057) MICROLOG 90-01621 1 fiche

The Meadows Road gypsum and anhydrite area is located 12 km southwest of Sydney, Cape Breton County. This investigation was completed in the area from Portage, Cape Breton County in the northwest to the Woodbine Road in the southeast. During the summer of 1986, a small diamond drilling program consisting of 8 drillholes totalling 647 m was conducted to establish the downwind and lateral extent of the gypsum and anhydrite beds.  
● AP CA NR SC

#### Gz protection in the future : review of scientific literature

by F. Buck. Downsview, Ont. : Defence and Civil Institute of Environmental Medicine, 1989. 22 p. Bibliogr. (DCIEM research report ; no. 89-RR-47)  
MICROLOG 90-01933 1 fiche

To reduce the incidence of G-induced loss of consciousness and enable pilots to operate their aircraft at higher levels of performance, anti-G protection must be improved. This report reviews developments and recent experimental findings in the traditional forms of G protection, as well as describing methods that may improve tolerance. The report describes such methods as positive pressure breathing, hypertensive agents, reclined seats, prone position, greater coverage anti-G suits, improved anti-G valves, and pelvis and legs elevation.  
CA EX HE SC

#### Habitats côtiers perturbés dans le réseau Saint-Laurent en aval de l'île d'Orléans

par M. Pelletier et al. Québec : Ministère des pêches et des océans, Direction de la gestion des pêches et de l'habitat, Division de l'habitat du poisson, 1990. ix, 61 p. : cartes géogr. Bibliogr. (Rapport technique canadien des sciences halieutiques et aquatiques ; no 1754) ISSN 0706-6570  
MICROLOG 90-06737 1 fiche

Les habitats côtiers, le long du Saint-Laurent, jouent un rôle essentiel dans le cycle vital de nombreuses espèces aquatiques, tant animales que végétales. Ce document dresse l'inventaire des habitats côtiers perturbés de l'estuaire et du golfe du Saint-Laurent et du Saguenay. Les dix sites les plus perturbés font l'objet d'une description exhaustive, incluant l'historique des modifications anthropiques, les impacts physiques et écologiques de celles-ci sur l'habitat du poisson, ainsi qu'un scénario de restauration.  
EV FI PR QU SC

#### Les Habitats alimentaires des aînés québécois : rapport de l'enquête

par Nicole A. Seoane, menée par Ministère de l'agriculture, des pêcheries et de l'alimentation du Québec, le Service des politiques alimentaires et des relations commerciales : en collaboration avec le Conseil de l'âge d'or de la région de



Québec. Québec : le Ministère, 1989. iii, 49 p. Bibliogr. *CSI* 66103.212. ISBN 2-550-19912-X  
MICROLOG 90-03347 1 fiche

Ce document fait état d'une enquête menée par le Service des politiques alimentaires et des relations commerciales auprès d'un groupe d'ainés autonomes de la région de Québec. On y examine le pourcentage d'ainés fréquentant souvent des boutiques spécialisées, selon le niveau de revenu; les dépenses alimentaires hebdomadaires de la population vieillissante, la distribution des déjeuners selon le nombre de groupes du Guide alimentaire canadien, et, les aliments dont la fréquence de consommation diffère selon le sous-groupe.  
BS HE PR QU SA SC ST

#### Halifax Harbour Task Force : final report

submitted by Robert O. Fournier ; prepared for John Leefe. Halifax : The Task Force, 1990. 84 p. : ill., maps. Bibliogr.  
MICROLOG 90-06520 2 fiche

Presents the context for the work of the Task Force. It briefly describes the natural marine ecosystem, the physical oceanography, the geological setting, and Harbour uses. It also sets out the principles used by the Task Force to make decisions, and the environmental quality guidelines against which predicted impacts were measured. Finally, it explains the recommendations made by the Task Force on outfall location, treatment levels, and plant siting.  
AP EV MU

#### Halifax metro area fact book -- 7th ed.

Halifax : Dept. of Industry, Trade and Technology, Statistical Services Branch, 1988. 68 p. : ill., maps. *CSI* 51103.007.  
MICROLOG 90-02400 1 fiche

This fact book contains statistical information on such aspects of Metropolitan Halifax as climate, population, labour, natural resources, housing, transportation, trade, education, health and social services, government, industrial parks and research facilities.  
AP CO MU PR

#### The Halton Region landfill environmental assessment joint board decision : an issues analysis

by M. Daly. Toronto : Environment Ontario, Environmental Assessment Branch, 1989. i, 22 p. ISBN 0-7729-6106-9  
MICROLOG 90-01199 1 fiche

The lengthy Halton Region landfill environmental assessment (EA) hearing was completed in November 1988 and the Joint Board Decision released in February 1989. This report contains an analysis of the EA-related issues raised in the Decision document, including consideration of alternatives, defining the undertaking, the government review, the hearing process, municipal in-fighting, and public consultation and social impact assessment. The implications of these issues are explored and recommendations for changes in the EA program are given.  
EV ON PR PW SC

#### Hamilton-Wentworth population projections, 1988-2006

Hamilton, Ont. : Hamilton-Wentworth Planning and Development Dept., Strategic Planning Division, 1989. 78 p. : ill.  
MICROLOG 90-01809 1 fiche

Includes growth projections by age group and by area municipality to provide the detail necessary to plan for residential land, infrastructure and housing requirements, and for leisure, health, transit, educational, and other services. It incorporates a range of growth scenarios in recognition of the uncertainties inherent in projecting future trends

in fertility and migration.  
MU ON PL SA

#### Hamilton-Wentworth (Ont.). Economic Development Dept. : Annual report 1989

Hamilton, Ont. : The Dept., 1989. 53 p. : ill. *CSI* 89101.002.  
MICROLOG 90-02575 1 fiche

This annual report covers business development, tourism and convention services, and administration. It includes a supplemental report.  
CO MU ON

#### Hamilton-Wentworth (Ont.) : Financial report 1988

Hamilton, Ont. : The Municipality, 1989. 40 p. : ill. *CSI* 89156.001.  
MICROLOG 90-01399 1 fiche

This report includes 1988 financial highlights, a regional profile, a 5-year review, and financial statements. It also reports on regional services, current operations, and capital operations.  
CO MU ON PA

#### Hamilton-Wentworth (Ont.) : Financial report 1989

Hamilton, Ont. : The Municipality, 1990. 32 p. : ill. *CSI* 89156.001.  
MICROLOG 90-07246 1 fiche

This annual report gives a 1989 economic overview, the Chairman's and Treasurer's reports, the governing structure, a five year review, consolidated financial statements, trust funds, finance and fiscal administration, regional services, current operations, capital operations, reserves, and the reserve fund.  
CO MU ON PA

#### Handling agricultural materials : electrical controls and instrumentation

Ottawa : Agriculture Canada, Research Branch, 1990. 40 p. : ill. Bibliogr. ISBN 0-660-13356-3  
MICROLOG 90-04221 1 fiche

Guide to designers of materials-handling systems for farms and associated industries. Sections deal with selection and design of specific types of equipment for materials handling and processing. Coverage includes terms and definitions, logic circuit components and controls, process measurement, phase converters, variable-speed drives, motor control, typical control circuits, and circuit diagrams. Details are given for a feed storage and processing centre as an example.  
AG CA SC

#### Handling agricultural materials : liquid conveyors

Ottawa : Agriculture Canada, Research Branch, 1990. 49 p. : ill. Bibliogr. *French ed. (Manutention de produits...liquides)* : 90-04223/1. ISBN 0-660-13255-9  
MICROLOG 90-04222 1 fiche

Guide to designers of material-handling systems for farm and associated industries. Sections deal with selection and design of specific types of equipment for materials handling and processing. The guide covers the properties of liquids and of piping and tubing; fluid friction in piping systems; and characteristics of pumps and systems. Specific examples of molasses and fat are given.  
AG CA SC

#### Handling agricultural materials : size reduction and mixing

Ottawa : Agriculture Canada, Research Branch, 1990. 45 p. : ill. Bibliogr. *French ed. (Manutention de produits...appareils...)* on the same fiche. ISBN 0-660-13446-2  
MICROLOG 90-06438 2 fiche

Guide to designers of materials handling systems for farm and associated industries, covering selection and design of specific types of equipment for materials handling and processing. The guide covers fundamental principles, reduction methods, mixing, and combination mills.  
● AG CA SC

#### Handling and curing peanuts in modified tobacco bins

by D.L. Van Hooren. Guelph, Ont. : Agricultural Energy Centre, 1989. 18 p. : ill. (Report ; no. 89-5104)  
MICROLOG 90-03941 1 fiche

This project determined if tobacco curing bins could be used for the handling and curing of peanut pods in tobacco kilns. The evaluation was done by determining the degree of modifications required to the bulk kiln to accommodate bins filled with peanut pods; product handling requirements with bins as compared to present methods used by the majority of the peanut industry; differences in the curing process resulting from pods being contained in bins rather than loose on the perforated floor of the bulk kiln; dried quality of peanuts cured in bins as compared to loose on the perforated floor of a bulk kiln; and differences in the amount of energy required to cure peanuts in bins as opposed to loose on the floor. The project was conducted in 1987 using 7 modified DeCloet tobacco bins.  
AG EN ON PR SC

#### Handling, offering for transport and transporting dangerous goods

Ottawa : Transport Canada, 1990. 11, 11 p. *Bilingual (La Manutention, la demande...)*. ISBN 0-662-57285-8  
MICROLOG 90-05567 1 fiche

This brochure provides a general outline of responsibilities for those who handle or offer transport consignments of dangerous goods and those who transport, by any mode, consignments of dangerous goods as defined in the Act and Regulations. The brochure covers the documentation needed, the training of those handling the goods, the reporting of dangerous occurrences, and the basic responsibilities of the consignor, carrier and consignee.  
CA SC TR

#### Harbourfront L.R.T. extension : study of potential alignments

Toronto : Toronto Transit Commission, 1988. 78 p. : maps.  
MICROLOG 90-05713 2 fiche

A report which was submitted by the Technical Transportation Planning Committee recommended that a study should comprehensively evaluate alignment options for the section between Spadina Avenue and Bathurst Street as the next step toward the protection of an exclusive right-of-way. The purpose of this study is to undertake a comprehensive analysis of various alignment options in this area and to recommend a transit right-of-way that should be protected for a future Harbourfront LRT extension.  
MU ON SC TR

#### Harbours and Ports (Canada) : Annual report on financial operations 1987-88

Ottawa : The Directorate, 1988. 35, 35 p. *Bilingual. CSI* 22180.001. ISBN 0-662-56999-7  
MICROLOG 90-03170 1 fiche

Annual report on the financial operations of public harbours and port facilities administered by the Canadian Coast Guard, excluding ports of the Canada Ports Corp., local port corporations and ports administered as Harbour Commissions. The report describes port operations, program objectives and



administration, and the charging of user fees. Program highlights for commodities handled at public ports, tariffs, and achievements by region are described. Financial data is included.  
CA SC TR

#### Harbours and Ports (Canada) : Annual report on financial operations 1988-89

Ottawa : The Division, 1990. 39, 42 p. : ill. Bilingual. *CSI 22180.001*. ISBN 0-662-57489-3  
MICROLOG 90-05823 1 fiche

Annual report on public harbours and port facilities, giving a description of the program and the legislation under which it operates; highlights of the year; and commodity and tonnage information. Financial information is included. Program highlights cover tariffs, property and real estate issues, regulatory and legislative initiatives, and regional achievements.  
CA SC TR

#### Hardness examination of Canadian 5 cent nickel coins

by C.F. Dixon and N.S. Spence. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1966. 5 p. (Report ; PM 66-2)  
MICROLOG 90-04674 1 fiche

For information and use by the Royal Canadian Mint Committee on New Coinage, a hardness survey was made of the Canadian 5 cent nickel coins to determine any differences between coins made from Sherritt Gordon powder nickel rolled strip and pure nickel hot rolled strip used in earlier years. The tests included the use of a Tukon hardness tester and a 0.5 kg load, determination of Rockwell B hardness, and cross-section hardness using a Tukon tester.  
• CA CM NR PS SC

#### Harmonisation des responsabilités professionnelles et familiales : rapport sur les stratégies

présenté par les Ministres responsables de la condition féminine, à l'occasion de la Conférence annuelle des premiers ministres. Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. viii, 48, viii, 48 p. Bilingual (*Integration of work and family...*).  
MICROLOG 90-02060 2 fiche

Ce rapport résume les principales réalisations et expose les projets de chaque gouvernement en vue de faciliter l'harmonisation du travail et des obligations familiales.  
CA LA PA SA

#### Harnessing market forces to support the environment : discussion paper

Winnipeg : Manitoba Environment and Workplace Safety and Health, 1989. iii, 20 p.  
MICROLOG 90-02343 1 fiche

This discussion paper considers a number of ways in which financial mechanisms such as taxation and tax incentives, as well as fees, licences and environmental levies, can be used to harness the economic forces of the market to support environmental protection.  
CO EV MS PR

#### Harnessing science and technology for cold regions

Science Council of Canada. Ottawa : The Council, 1989. 28, 28 p. : ill. Bibliogr. Bilingual (*Exploiter les sciences et les technologies...*). ISBN 0-662-57032-4  
MICROLOG 90-02313 1 fiche

This report summarizes the science and technology developed to cope with economic development in cold regions, an area in which Canada is a world leader. Background information describes the beginning of such

development during World War II, continuing with the oil and gas industry's exploration in the Beaufort Sea and the Mackenzie Delta. As well, the environmental knowledge gained is of great importance to all polar nations. The report identifies constraints on Canadian development of technology, including a small, unstable domestic market, difficulties in maintaining knowledge databases and qualified personnel, the scarcity of research infrastructure and facilities in Canada, the absence of national leadership and goals, and problems in securing foreign markets. Recommendations are given on collecting, preserving and disseminating information, the need for government investment in R&D, ensuring product quality, and strengthening research and training in technology.  
CA NO PS SC

#### Harp seals and seal invasions : what we know and what we believe

by O. Wiig. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 20 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5480) *Originally published in Norwegian*. ISSN 0704-3716  
MICROLOG 90-00588 1 fiche

In the winter and spring of 1987, from 60,000-100,000 harp seals drowned, caught in fishing gear on the Norwegian coast. Causes of the so-called invasion were debated but with few facts given. While much of the harp seals' biology is well known, such other areas as stock sizes, migrations, and feeding are obscure. These are important factors in explaining the invasion. This paper gives an overview of harp seal biology and the seals' recent and earlier invasions along the Norwegian coast.  
• CA CF FI SC

#### Harris Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 45 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 462)  
MICROLOG 90-01087 1 fiche

Geological data inventory for Harris Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical survey and geochemical survey, newspaper clippings, general index search, and selected references.  
NR ON PR PS SC

#### The Harvesting and cultivation of mollusks of the family Pectinidae (scallops) in various parts of the world : current situation and future prospects

by H. Dupouy. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 28 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5417) *Originally published in French*. ISSN 0704-3716  
MICROLOG 90-01529 1 fiche

During the past decade, world scallop production has risen from 135,000 tonnes in 1970 to 430,000 tonnes in 1978. This study analyses currently available information on the distribution and biology of scallops, production techniques (fishery and aquaculture) and market needs, and assesses the outlook for expansion in world production.  
• CA CF CO FI SC

#### The Harvesting of the scallop *Pecten maximus* L. in France, part I : introduction to the fishery

by H. Dupouy. Ottawa : National Research

Council, Canada Institute for Scientific and Technical Information, 1988. 21 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5415) *Originally published in French*. ISSN 0704-3716  
MICROLOG 90-01531 1 fiche

France is the world's 4th largest producer of scallops, after Japan, Canada and the U.S. At present, over 10% of all French fishermen engage in scallop harvesting on a regular basis and derive a substantial share of their income from that activity. This paper provides an introduction to the scallop fishery, including the biology of the scallop, the main beds, harvesting gear and boats, regulation of the fishery, marketing, and outlook for the future.  
• CA CF FI SC

#### The Harvesting of the scallop *Pecten maximus* L. in France, part II : assessment and management of the Saint-Brieuc Bay population

by H. Dupouy, G. De Kergariou and D. Latrouite. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 21 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5416) *Originally published in French*. ISSN 0704-3716  
MICROLOG 90-01530 1 fiche

After having been abandoned for 30 years, the Saint-Brieuc Bay scallop fishery started up again on a modest scale in 1960. Within a few years, the fishery had become the largest in Europe, causing the fishing fleet to balloon to an excessive size, and necessitating the establishment of an authority with extensive regulatory powers. A research program was developed based on a study of the biological characteristics affecting the scallop population, assessment of recruitment and prerecruitment, and assessment of the harvesting effort and its impact on the population. This paper describes the research program, its findings in biology and growth and natural mortality, an estimation of the population, optimum harvesting conditions and commercial size, and improvements to date.  
• CA CF FI SC

#### The HASTUS vehicle and manpower scheduling system at the Société de transport de la communauté urbaine de Montréal

by Y.-Y. Blais, J. Lamont and J.-M. Rousseau. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 42 p. : ill. Bibliogr. (Publication ; no. 680)  
MICROLOG 90-03010 1 fiche

Varying service levels during the day and complex work rules make transit scheduling a difficult task. Over the last 10 years, a joint university-STCUM-private enterprise effort has produced HASTUS, a comprehensive set of computer tools that assist in building cost-effective schedules. This report describes the HASTUS-Macro decision-support system, using linear programming methods to estimate the costs of changes in union contracts and service levels; HASTUS-Bus, employing network-flow methods to generate optimal vehicle schedules, and HASTUS-Micro, generating operator assignments through a combination of specially-formulated heuristics and optimal matching algorithms.  
PR QU SC TR

#### Haul-out behaviour of common seal on selected hauling-out sites at the coast of Iceland

by E. Hauksson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 20 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5255) *Originally published in Icelandic*. ISSN 0704-3716  
MICROLOG 90-02726 1 fiche



Paper reporting on research to determine the time of day the highest number of seals come out of the water onto the ice and to examine the effects of sun and tides on haul-out patterns. Results of this research will be used to determine the best time for aerial counting or aerial photography of seal populations.  
● CA CF FI SC

### Havres et ports (Canada) : Rapport annuel sur les opérations financières 1987-88

Ottawa : la Division, 1988. 35, 35 p.  
*Bilingue. CSI 22180.001. ISBN 0-662-56999-7*  
MICROLOG 90-03170 1 fiche

Le document présente le rapport annuel concernant les ports et les installations de port publics. Il inclut uniquement les ports et les installations de port publics administrés aux termes de la Loi et exclut les ports de la Société canadienne des ports, ceux des sociétés de port locales, de même que ceux administrés sous forme de commissions de port. Il donne également la description du programme et les points saillants; l'examen financier; et, les états financiers et les conventions comptables.  
CA SC TR

### Havres et ports (Canada) : Rapport annuel sur les opérations financières 1988-89

Ottawa : la Division, 1990. 42, 39 p. : ill.  
*Bilingue. CSI 22180.001. ISBN 0-662-57489-3*  
MICROLOG 90-05823 1 fiche

Le rapport inclut uniquement les ports et les installations portuaires publics administrés aux termes de la Loi et exclut les ports de la Société canadienne des ports, ceux des sociétés de ports locales, de même que ceux administrés sous forme de commissions de port. Il se penche particulièrement sur la description du programme; les faits saillants du programme; les renseignements sur les marchandises et le tonnage; l'examen financier; et, les états financiers et Conventions comptables.  
CA SC TR

### Hazard analysis of OWMC treatment facility : summary of facility risk for typical waste : final report

Battelle Columbus Laboratories, Toronto  
Ontario Waste Management Corporation, 1988.  
xiii, 236 p. : ill. Bibliogr.  
MICROLOG 90-02878 3 fiche

The Ontario Waste Management Corporation (OWMC) is proposing to construct and operate an integrated facility for treating and disposing of hazardous wastes and liquid industrial wastes. A preliminary design, which has a projected initial capacity of 150,000 tonnes per annum with the capability to expand to 300,000 has been developed as a basis for an environmental assessment which includes the first results from an ongoing hazard analysis. A hazard analysis is an investigation of acute risks from abnormal operation or behaviour of a facility. This report describes the purpose, the methodology and the results of the first risk estimates from the hazard analysis, limited to offsite risk of the preliminary facility design and the treatment of typical wastes.  
EV ON PR SC

### Hazard from the seedling debarking weevil : a revised key to predicting damage on sites to be planted

S.I. : Canadian Forestry Service - Maritimes, 1990. 4 p. Bibliogr. (Technical note, no. 236) ISSN 0820-8107  
MICROLOG 90-04587 1 fiche

The seedling debarking weevil, a pest of newly established plantations, has caused significant

injury to seedlings during the last several years in Nova Scotia and Prince Edward Island and, to a much lesser extent, in New Brunswick. This hazard key incorporates the most recent information from study sites on P.E.I. in 1989, although its development began with work in Nova Scotia. The key is designed to be used in 1-year-old cuts and in areas of major concern, such as sites where the softwood content was greater than 25% or in those regions of the Maritimes where weevil damage has historically been a concern. The rating system follows a dichotomous key design.  
● AP CA FO SC

### Hazardous waste in Quebec : issues and questions : information and consultation document : summary

Quebec : Gouvernement du Québec, Bureau d'audiences publiques sur l'environnement, 1989. 32 p. Bibliogr. *French ed. (Les Déchets dangereux au Québec...)* on the same fiche. ISBN 2-550-20159-0  
MICROLOG 90-02516 1 fiche

The Commission was established in 1989 to investigate the question of hazardous waste and hold hearings throughout Quebec in order to assess the problem, establish policy guidelines, and give recommendations. This summary report reviews the question overall, focuses on various environmental, social and economic issues, then examines traditional technological, legal and administrative methods of dealing with hazardous waste. The conclusions summarize various questions raised throughout the report.  
CI EV PR QU SC

### Hazardous Waste Regulation Seminar

Hazardous Waste Regulation Seminar (1988 : Alberta). Edmonton : Alberta Environment, 1988. 133 p. : ill.  
MICROLOG 90-04070 2 fiche

Proceedings of a public information seminar on the management of hazardous waste in Alberta, part of a province-wide education and awareness program sponsored by the 3 agencies of the provincial government which share responsibility for managing hazardous wastes in Alberta. The seminar gives information on how business, industry, and households can meet the requirements and goals of the Alberta system. After providing general information on the legislation and goals of the government, presentations were given by Alberta Environment and the Alberta Public Safety Services on legislation, application and enforcement. This was followed by an overview of the Alberta Special Waste Management System, concluding with applications of the regulation for the Energy Resources Conservation Board, the Alberta Waste Materials Exchange and the Alberta Special Waste Management System. The report also includes the text of the Hazardous Chemicals Act and the Hazardous Waste Regulation.  
AL EV PR SC

### Health 2000 : toward a comprehensive health strategy

Fredericton : The Province, 1989. 10, 10 p.  
*Bilingue (Santé 2000 : vers...)*  
MICROLOG 90-04123 1 fiche

This document presents information on a definition of health, a vision of health, guiding principles for the development of a Comprehensive Health Strategy, and health goals.  
AP HE PR

### Health and social service manpower in Alberta, 1988

Edmonton : Alberta Health and Social Services Disciplines Committee, 1989. 214 p. Bibliogr. CSI 35120.002. ISSN 0714-1904  
MICROLOG 90-00318 3 fiche

The report contains information and statistical data on 38 human service occupations for the

year ending December 31, 1988. It includes functional definitions; information on professional associations/licensing bodies; legislation; educational programs, enrolments, and graduates; data on practitioners by geographical location and community size; and historical and comparative manpower figures.  
AL HE LA PR ST

### Health and social service personnel working in Alberta, March 31, 1989

Edmonton : Alberta Health and Social Services Disciplines Committee, 1989. 43 p. : ill. CSI 35120.003  
MICROLOG 90-03874 1 fiche

Results of the annual survey of health and social service employers, conducted on March 31, 1989. The survey requests employers to provide specific information on full-time and part-time permanent personnel, vacant positions, resignations, casual/contract personnel, and employer recruitment difficulties. The report provides highlights of the survey, as well as detailed information on permanent personnel, vacancy rates, turnover rates, recruitment difficulties, and employer groups.  
AL HE PR SC ST

### Health and social services terminology

by M. Thibault. Ottawa : Federation of Canadian Municipalities ; Translation Bureau, 1981. viii, 128, viii, 136 p. Bibliogr. (Terminology bulletin ; 170) *Bilingual (Terminologie des services sociaux...)*. ISBN 0-660-50812-5  
MICROLOG 90-04843 3 fiche

Contains terms relating to family services, health services proper, services for the elderly, children's services, and some general social service concepts.  
CA HE SA

### Health care delivery : summary report of the Cariboo Development Region Health Care Study

commissioned by the Ministry of Regional and Economic Development. S.I. : Coopers & Lybrand Consulting Group, 1990. 19 p. : maps. ISBN 0-7726-1053-3  
MICROLOG 90-02645 1 fiche

This health care study was commissioned in November of 1988 to provide a comprehensive, cohesive and cost-effective plan for developing health care services in the Region. The study report sets out the rationale for fixing major program weaknesses in the mental health area; addressing infrastructure problems; developing a strategic planning system or systems; addressing specific program issues; and realistically establishing a base for local autonomy. The report gives general recommendations on mental health, recruitment and retention, isolation, cooperative endeavors, planning, and marketing and accountability. Specific recommendations are given on institutional and community care, future data requirements, the application of the health authority concept, and suggested responsibilities.  
BC HE PR

### Health care survey for Prince Edward Island : final report

prepared for Prince Edward Island Advisory Council on the Status of Women. Fredericton : The Company, 1988. 63 p.  
MICROLOG 90-04114 1 fiche

This report provides a summary of a survey which was designed to address a variety of issues related to health and social services including personal health issues, the quality of health services in the province, attitudes toward the provision of health care, AIDS, family planning, abortion, and domestic violence. It contains a detailed presentation of the research findings and a summary of conclusions.  
AP BS HE PR



**Health effects of ionizing radiation**

by B. Pathak. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. ii, 18 p. Bibliogr. French ed. (*Effets des rayonnements ionisants...*) : 90-05752/1. ISBN 0-660-13448-9  
MICROLOG 90-03615 1 fiche

This publication provides basic information on the possible health hazards of ionizing radiation. The publication includes a definition of ionizing radiation, the sources and types, occurrences of internal and external exposure, definitions of dose levels, the health effects, effects of exposure including genetic effects, combined exposures of ionizing radiation and chemicals, and acceptable doses. A glossary of technical terms is included.

• CA LA SC

**Health of animals : overview, 1988**

Ottawa : Agriculture Canada, Food Production and Inspection Branch, Health of Animals Directorate, 1989. 54, 60 p. : ill. *Bilingual (Hygiène vétérinaire, 1988)*. CSI 22367.001. ISBN 0-662-56667-X  
MICROLOG 90-01636 2 fiche

Annual review of the Directorate, giving an overview of the year's activities; a history of the national animal health program and its activities today; programs in the control of various livestock diseases including rabies; imports and exports; licensed garbage feeding; veterinary biologics; humane transportation of animals; artificial insemination and embryo transfer; and reports from laboratories across Canada. A list of research projects is included, as well as staff appointments, awards and publications.

• AG CA SC ST

**Health personnel in Canada, 1988**

Ottawa : Health and Welfare Canada, 1990. xxxiii, 297 p. *Bilingual (Le Personnel de la santé...)*. CSI 21112.208. ISBN 0-662-57054-5  
MICROLOG 90-06725 4 fiche

This publication is a reference document in support of health personnel research and planning. This edition provides year-end statistics for 30 occupational groups of health care practitioners for the years 1978 to 1988.

CA HE ST

**Health promotion : a dynamic for change : an address**

by M. Law. S.I. : Canadian Intergovernmental Conference Secretariat, 1989. 16, 19 p. *Bilingual (La Promotion de la santé...)*. Presented at the National Symposium on Health Promotion and Disease Prevention. MICROLOG 90-00125 1 fiche

Text of an address on health promotion in Canada, initiated after the 1974 report on the health of Canadians. The goal of health promotion was to alter lifestyles toward healthier expressions, as well as taking into consideration environment and social condition. The tendency now is for collaboration between the individual, the community and the government in achieving and maintaining health. A number of reports are quoted and their place in the development of health care is discussed.

• CA CI HE

**Health regulations governing fish processing plants and fish and aquaculture products for human consumption**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 42 p. (Canadian translation of fisheries and aquatic sciences ; no. 5362) Originally published in Spanish. ISSN 0704-3716  
MICROLOG 90-01494 1 fiche

Health regulations for fish processing plants and fish and aquaculture products for human consumption, replacing those of 1977. The text covers the sphere of application; definition of those products governed by the regulations; general characteristics and conditions for vessels and plants; specific conditions for specific types of plants; general health register; and raw materials and typical ingredients in finished products.

• CA CF FI HE SC

**Health risk determination : the challenge of health protection**

Ottawa : Health and Welfare Canada, 1990. 34, 34 p. : ill. *Bilingual (L'Evaluation du risque...)*. ISBN 0-662-56897-4  
MICROLOG 90-03978 1 fiche

This publication explains the place of the Health Protection Branch in managing health risks, its relationship with other federal departments having to do with health risks, the evolution of scientific risk determination, and the development of the risk determination model. The publication explains the risk determination model and how it would apply in determining the risk of a chemical, including identifying the hazards, estimating the risk, developing/analyzing options, making the decision, monitoring and evaluating the decision, and reviewing the decision. The publication concludes with future directions for the Branch.

CA HE SA SC

**Health significance of Klebsiella in the environment**

by I.B.R. Duncan. Toronto : Environment Ontario, 1988. 25 p. Bibliogr. ISBN 0-7729-3574-2  
MICROLOG 90-01198 1 fiche

State of current medical knowledge on the circumstances in which Klebsiella infects man and whether these circumstances would be affected by the presence of large numbers of Klebsiella in the natural environment. Bacteria of the genus Klebsiella are very common in natural waters and at the same time there is considerable disagreement about the degree to which they are pathogenic for man. This report covers the bacteriology and habitat of the bacteria, its status as a pathogen in the community, the incidence in recreational surface waters and in the hospital environment, and the relationship between community Klebsiella and hospital infections.

EV HE ON PR SC

**Health status of New Brunswickers**

Fredericton : Health and Community Services New Brunswick, 1989. ix, 125, x, 128 p. : ill. Bibliogr. *Bilingual (L'Etat de santé des Néo-Brunswickois)*. Highlights (13, 13 p.) laid in  
MICROLOG 90-05717 2 fiche

The objectives of this report are to provide a profile of the health status of the New Brunswick population, and to provide baseline information to assist in program planning, monitoring and evaluation, as well as policy development. Traditional mortality and morbidity health indicators describe the health status of New Brunswickers using data from Vital Statistics and hospitals.

AP HE PR SA

**Health status report, 1988**

Toronto : Toronto Dept. of Public Health, Community Health Information Section, 1989. vi, 157 p. : ill. CSI 89118.002  
MICROLOG 90-02413 2 fiche

The purpose of this document is to report on the health status of Toronto residents in 1988. It includes chapters on demographic profile, health promotion, health behaviour, healthy environments, reproductive health, morbidity, and mortality.

HE MU ON ST

**Health, safety and reclamation code for mines in British Columbia**

Victoria : Ministry of Energy, Mines and Petroleum Resources, Engineering and Inspection Branch, 1990. iv, 430 p. : ill. ISBN 0-7718-8952-6  
MICROLOG 90-05881 5 fiche

This document presents the relevant section of the Mines Act dealing with mine health safety and reclamation. The document explains the application of the code and presents general rules. Details are given for industrial hygiene, emergency preparedness, buildings, machinery and equipment, electrical power system, mine design and procedures, hoists and shafts, explosives, dams and waste emplacement, reclamation and closure, and exploration.

BC LA NR PR SC

**Healthy communities : the process**

Victoria : Ministry of Health, Community and Family Health, 1989. 27 p. : ill. ISBN 0-7726-1039-8  
MICROLOG 90-03065 1 fiche

This publication describes a process by which communities can define their own health needs and discover their own ways to promote optimum health.

BC HE PR

**Healthy environments for Canadians**

Bruce M. Small and Associates. Ottawa : Health and Welfare Canada, Health Services and Promotion Branch, 1987. ii, 433 p. (Health Services and Promotion Branch working paper ; HSPB 88-12)  
MICROLOG 90-02318 5 fiche

This review and analysis constitutes a comprehensive review of scientific and other literature, and of other research sources available in the area of healthy environments. The analysis addresses healthy environment issues by setting, including the home, the school, the workplace and public places; by human characteristic and situation, including age, gender, family type, race and culture, illness and handicap, and by orientation and lifestyle, and by environmental resource, including safety, clean air, food and water, physical factors, social conditions, employment and money, personal and social support, and health care and social services. An annotated bibliography lists all relevant literature and research contacts uncovered. Most of the entries are annotated with a summary or abstract of important information contained in the reference. An index to all authors mentioned, and a detailed subject index is included.

CA CI HE SA

**Healthy planet, healthy people**

Environment Council of Alberta. Pollution Subcommittee. Edmonton : The Council, 1989. 18 p. Bibliogr.  
MICROLOG 90-03246 1 fiche

This paper discusses some of the links between physical, mental, and emotional health, and points out why people working in the health and environmental areas should expect to have strong allies in each other. It briefly examines the healthy communities movement in Canada and in Alberta, with reference to the Ottawa Charter for Health Promotion and the guidelines it offers for working toward healthy communities.

AL CI EV PR

**Healthy Toronto 2000**

Toronto : Toronto Board of Health, Healthy Toronto 2000 Subcommittee, 1988. vi, 124 p. : ill. Bibliogr.  
MICROLOG 90-05012 2 fiche

Presents a framework for action, and discusses the challenges to the health for Toronto, the healthy city initiative, and a healthy city strategy



for the Department. It concludes with a vision of a healthy Toronto.  
HE MU ON

### The Hearing process : discussion papers on procedural and legislative change

Toronto : Environmental Assessment Board, 1990. 34 p.  
MICROLOG 90-06738 1 fiche

Contains discussion papers which identify various problems and suggest possible solutions to the environmental assessment process. The objective of preparing these papers is to have a full debate on how the Environmental Assessment Board's hearings can be made shorter and more efficient, while remaining fair to all participants.  
EV JU ON PR

### Hearst District fisheries management plan, 1988-2000

Ontario. Ministry of Natural Resources.  
Toronto : The Ministry, 1989. iv, 28 p. : maps. Bibliogr. French ed. (*Plan de gestion des pêches...*) on the same fiche. Fold. maps not filmed. ISBN 0-7729-1943-7  
MICROLOG 90-00127 1 fiche

Description of the intended long-term direction of fisheries management activities in the Hearst District to 2000, including fisheries resource information, fisheries objectives and targets, management strategies and tactics, a 5-year implementation schedule, and a review of public consultation. A glossary is included.  
FI ON PR SC

### Heat pumps for home heating

St. John's : Dept. of Mines and Energy, 1989. 2 p. : ill. (Energain)  
MICROLOG 90-03789 1 fiche

Short description of the use of air-to-air, water-to-air and air-to-water heat pumps for home heating.  
AP EN PL PR SC

### Heavy mineral till geochemistry (tin) of the eastern and central South Mountain Batholith

by P.W. Finck, F.J. Boner and R.M. Graves.  
Halifax : Dept. of Mines and Energy, 1990. 21 p. : maps. Bibliogr. (Open file report ; 90-004) Fold. maps not filmed.  
MICROLOG 90-05588 1 fiche

This geochemical release is part of the South Mountain Batholith (SMB) Pleistocene mapping project, a contribution to the Canada-Nova Scotia Mineral Development Agreement. Part of this project involved collection of 2100 till samples on a 2 sq km grid for regional geochemistry over the entire SMB. In this report tin data for heavy mineral concentrates are presented as raw and weighted values with accompanying contour maps for the eastern and central part of the SMB. The maps are not included.  
AP NR PR SC

### Height-of-the-Rockies Wilderness Area : management plan -- Draft.

Victoria : Ministry of Forests, 1989. 50 p. Bibliogr. Fold. map not filmed.  
MICROLOG 90-03823 1 fiche

In August 1987 the B.C. Forest Act was amended to provide for the designation of wilderness areas on Crown land in provincial forests. The Height-of-the-Rockies Wilderness Area was established as the first such area. This draft plan incorporates public input to date, available resource data and comments from the various government agencies. It covers wilderness concepts, recreation management, forest protection, range management, fish and wildlife management, mineral, petroleum and natural gas exploration, and the implementation and review of the plan.

The resource information is based on papers written about the area prior to its formal designation, discussions with the public and data gathered on site. A questionnaire was developed for public input on preferences for future use of the area and the results of the survey were incorporated into the plan.  
BC CU EV PR SC

### Heinze Gasometer Method for quantitative determination of carbonates in tills

by W.C. Ross. Saskatoon, Sask. : Saskatchewan Research Council, 1986. ii, 39 p. : ill. Bibliogr. (SRC technical report ; no. 215) (SRC publication ; no. R-842-2-B-86)  
MICROLOG 90-03972 1 fiche

The Heinze Gasometer Method is the designated name for an efficient laboratory procedure which uses the Heinze gasometer for the quantitative determinations of calcite and dolomite and the equivalent total carbonates in unconsolidated sediments. This report describes its operation, the theoretical considerations and basic assumptions, the laboratory procedure, and the analytical output, including graphic curves, straight-line segments, and the parameters involved.  
MS NR PR PS SC

### The Helminth fauna of the far eastern Dolly Varden (*Salvelinus malma*) and Kundzha (*Salvelinus leucomaenis*)

by I.P. Mart'yanova-Glebova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 13 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5133) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-00110 1 fiche

Investigation of the helminth fauna of *Salvelinus malma* and *S. leucomaenis* from the My and Bol'shaya Iska Rivers. Work was done in the summer from 1958-60. Results from published findings are also included.  
• CA CF FI LS SC

### Hepatitis B : a summary of the occupational health concern -- 2d ed.

by J.A. Baxter. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1990. i, 8 p. Bibliogr. ISBN 0-660-13572-8  
MICROLOG 90-06618 1 fiche

This publication covers the sources of the virus, its development phase, transmission methods, occupations involved, treatment, and prevention of its spread in the workplace.  
• CA HE LA

### Herbicide efficacy trials in Alberta and Manitoba, 1980-85

by J.A. Drouin. Edmonton : Government of Canada, Canadian Forestry Service, Northern Forestry Centre, 1989. vii, 41 p. : ill., maps. Bibliogr. (Information report ; NOR-X-306) ISSN 0704-7673 ISBN 0-662-16778-3  
MICROLOG 90-01442 1 fiche

Vegetation control trials in Alberta and Manitoba in 1980-85 tested 9 herbicides to determine their capabilities for conifer release, chemical thinning, and site preparation. The herbicides tested were hexazinone in liquid, grid ball (10% and 20%) and granular (10% and 20%) formulations, metsulfuron methyl, fluzafop-butyl, bromacil, and fosamine ammonium. Data were obtained on conifer growth and tolerance to the herbicides, weed control, optimum timing of application, techniques, and equipment performance.  
• AL CA EV MS SC

### Herbicide, nutrient and water balance from an irrigated field

by W. Nicholaichuk, R. Grover and J. Whiting. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 7 p. Bibliogr. (NHRI contribution ; no. 88003) Prepared for 6th IWRA World Congress on Water Resources. ISSN 0838-1992  
MICROLOG 90-06494 1 fiche

The full impact of irrigation development on the Canadian Prairies has not been fully assessed, even though the efficiency of irrigation conveyance systems has been studied in southern Alberta. None of the studies addresses the question of both the quantity and quality of drainage water that can be expected from surface irrigation. This report determines the amount of surface drainage water following each rainfall and irrigation event; the quality of surface drainage water; efficiency in application of irrigation water, nutrients and herbicides; and the impact of irrigation drainage and downstream flows on water quality.  
AG CA MS SC

### Herbicide, nutrient and water drainage from an irrigated field : final report

by W. Nicholaichuk, R. Grover and J. Whiting. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 19 p. Bibliogr. (NHRI contribution ; no. 89013) ISSN 0838-1992  
MICROLOG 90-02455 1 fiche

With the growing interest in expanding irrigation in Canada, the use of irrigation return flows is being explored. These can improve overall irrigation efficiency and reduce the unit costs of irrigation development but it is necessary to determine if this practice is environmentally sound. This report presents the results of a 3-year (1986-88) study of a south Saskatchewan soft white spring wheat crop to determine the amount of surface drainage water following each rainfall and irrigation event; the quality of surface drainage water with respect to nutrients and herbicides; irrigation efficiency with respect to the application of irrigation water, nutrients and herbicides; the impact of irrigation drainage and downstream flows on water quality; the opportunity for the reuse of irrigation drainage water downstream; and the effect of application techniques and/or crop situation by selecting different monitoring sites each year.  
AG CA EV MS SC

### Heritage : a background document in the review of the Official Plan for the Urban Structure : Metropolitan Toronto

Metropolitan Toronto (Ont.). Planning Dept. Policy Development Division. Toronto : The Division, 1989. 2 v. : ill., map. Bibliogr. (Metropolitan plan review ; report ; no. 10)  
MICROLOG 90-00961 2 fiche

This report focuses on the role the city might play in relation to the buildings, sites, artifacts and records under its jurisdiction.  
MU ON PL

### Heritage 2000 : a strategy for the management and development of Saskatchewan's heritage resources

Regina : Saskatchewan Culture, Multiculturalism and Recreation, 1990. ii, 24 p. : ill.  
MICROLOG 90-03244 1 fiche

Provides a statement of goals for heritage conservation and development in the province followed by an overview of the historical development of heritage programs and policies. It also discusses the current state, with emphasis on the roles of Saskatchewan Culture, Multiculturalism and Recreation's



heritage programs vis-a-vis various organizations and agencies. It concludes with an outline of a heritage strategy for the 1990s and beyond.  
CU MS PR

### Heritage Conservation Program : Status report, August 1989

Vancouver (B.C.). Heritage Conservation Program. Vancouver, B.C. : The Program, 1989. 4 p.  
MICROLOG 90-03319 1 fiche

The purpose of the Program is to develop a comprehensive approach to the conservation of heritage resources in the city. This document is a brief outline of the City's heritage management framework. It describes some of the items the City is presently working on.  
BC CU MU

### Herring and herring roe in the Japanese market

by R. Richardson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 76 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5401) *Originally published in Norwegian, by the Institute of Fishery Technology Research, at Tromsø, Norway* ISSN 0704-3716  
MICROLOG 90-01509 1 fiche

In the span of a few years Japan has become one of the most important markets for the Norwegian food herring industry. This report describes the background to these developments, outlines the quantitative and qualitative aspects of the herring and herring roe markets in Japan and describes various market segments, with special emphasis on the Norwegian position and potential developments. Strong and weak aspects of Norwegian exports are discussed in view of the competitive situation in the market.  
● CA CF FI SC

### Herring for consumption : analysis of markets and competition

by B.E. Olsen and T. Vassdal. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 7 p. (Canadian translation of fisheries and aquatic sciences ; no. 5374) *Originally published in Norwegian.* ISSN 0704-3716  
MICROLOG 90-01503 1 fiche

Survey and evaluation of the markets that are of interest for the Norwegian consumer herring industry, particularly price/demand relations and purchaser's preferences. The most important suppliers to the market are analysed for market share, raw material supplies, quality, and price competitiveness. Development and future prospects are discussed in view of the market and competitive situation.  
● CA CF CO FI SC

### Herring regulations, 1984

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 22 p. (Canadian translation of fisheries and aquatic sciences ; no. 5360) *Originally published in Dutch, by the Commodity Board for Fish and Fish Products.* ISSN 0704-3716  
MICROLOG 90-01492 1 fiche

List of regulations for the Dutch fishing industry regarding the disposition of freshly caught herring, including salting and other types of processing.  
● CA CF FI SC

### High energy rate compaction of R.S. metal powders : final report

contractor: Limpact Industries Limited ; submitted by Brenton Chen, R.T. Lassau. Mississauga, Ont. : ORTECH International, 1988. 39 p. : ill. Bibliogr. *CANMET contract:*

69169-01-SQ  
MICROLOG 90-03959 1 fiche

Rapid solidification (R.S.) involves processes in which a molten alloy (or element) is cooled to a solid at a rate which is fast enough that the final system is not in an equilibrium state for that alloy. Since R.S. materials are formed from non-equilibrium processes, the products are inherently thermally unstable. For many applications, the production of bulk, solid components from R.S. powders by some type of consolidation process is required. One method being considered is that of shock wave compaction, which has the potential of treating (and possibly melting) the outside of the powder particles, a feature which is desirable in the bonding of thermally unstable materials. Cylindrical compaction, which must be carried out using explosives, has fewer equipment requirements, but tends to generate a structurally unsound region along the centre of the sample. This study used water atomized iron and nickel-aluminum-bronze powders for cylindrical compaction trials. This final report summarizes the work carried out and describes the method.  
● CA CM NR PS SC

### High quality raw material : a condition for success

by O. Okland. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 7 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5298) *Originally published in Norwegian.* ISSN 0704-3716  
MICROLOG 90-02117 1 fiche

Paper describing the uses of fish by-products by Toro Food Industries of Norway for the production of fish powder and the need for high quality raw material, increasing amounts of raw material, rigorous quality control, alternative sources, and expansion into the U.S. market.  
● CA CF FI SC

### High school graduate survey, 1988 : main report

Edmonton : Alberta Advanced Education, 1989 ix, 89 p.  
MICROLOG 90-02967 2 fiche

In December of 1988, Alberta Advanced Education conducted a survey of recent Alberta high school graduates in order to collect information on the post-secondary educational experiences, plans, and career aspirations of high school graduates. A stratified random sample of 1,259 graduates was selected from the population of 21,905 secondary students who received a diploma between September 1, 1987 and August 31, 1988. A total of 780 graduates responded to the survey. This report presents highlights of the survey results.  
AL ED PR

### High temperature uniaxial and triaxial compression tests on URL rock samples from borehole 401-009-HF1

by J.S.O. Lau and B. Gorski. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. viii, 90 p. : ill. Bibliogr. (Report ; MRL 90-05(TR))  
MICROLOG 90-06010 2 fiche

The Canadian Nuclear Fuel Waste Management Program is concerned with the safe, long-term disposal of high level nuclear wastes in vaults located at depth in plutonic rock. As part of the program, Atomic Energy of Canada Limited constructed the Underground Research Laboratory (URL) near Lac du Bonnet, Manitoba to provide a representative environment for in situ investigations. A series of uniaxial compression and triaxial compression tests at the confining pressures of 3.5, 17.0 and 35.0 MPa and at the test temperatures of 21°C, 75°C and 125°C were carried out in September 1989. Rock core samples were obtained from borehole 401-009-HF1, drilled at

the 420 level in the URL. This report presents the results of the program, compares the thermo-mechanical properties of the rock samples from the 420 level with those from the 240 level, and recommends what further laboratory work will be required to determine the thermo-mechanical properties of the rock in the URL characterization program during the operating phase of the URL.  
● CA CM MS NR PS SC

### High temperature uniaxial compression tests on URL rock samples from boreholes 209-021-SV1 and 209-030-DIL1

by J.S.O. Lau and B. Gorski. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. vi, 68 p. : ill. Bibliogr. (Report ; MRL 89-90(TR))  
MICROLOG 90-01327 1 fiche

A series of ambient and high temperature uniaxial compression tests were conducted on grey granitic core samples obtained from 2 boreholes located at the 240 level of Atomic Energy of Canada Ltd.'s Underground Research Laboratory. Three sets of tests at 3 temperatures (25°C, 75°C and 125°C) were conducted to obtain high temperature uniaxial compressive strength data and to study the behaviour of rock specimens at high temperature under confined conditions.  
● CA CM MS NR PS SC

### High-efficiency motors

Victoria B.C. Hydro, 1989. 27 p. ISBN 0-7726-0953-5  
MICROLOG 90-03068 1 fiche

Booklet on the reasons for buying high-efficiency motors instead of standard electric motors. The booklet gives information on how much electricity motors use, the difference between the two types, money saved using both simple and complex payback methods, taking into consideration the sizing and efficiency, and how to operate high-efficiency motors.  
BC EN PR PS SC

### Highlights of forest pest conditions in the Maritimes at the end of July 1990

by L.P. Magasi and J.E. Hurley. S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. (Technical note ; no. 239) ISSN 0820-8107  
MICROLOG 90-06519 1 fiche

Note on forest pest conditions in the Maritimes at the end of July 1990. The note describes the incidence of spruce budworm, spruce beetle, Sirococcus shoot blight, Stillwell's syndrome, Balsam fir tip blight, Cedar leafminers, Dutch elm disease, beech bark disease, and other minor pests.  
● AP CA FO SC

### Highlights of forest pest conditions in the Maritimes at the end of June 1990

by L.P. Magasi. S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. (Technical note ; no. 238) ISSN 0820-8107  
MICROLOG 90-06112 1 fiche

Brief note discussing forest pest conditions as they appeared in the Maritime provinces at the end of June 1990. The note covers the actions of the spruce budworm, the hemlock looper, the Gypsy moth, Scleroderma canker infection, the serpentine leafminer and other minor pests.  
● AP CA FO SC

### Highlights of forest pest conditions in the Maritimes in mid-June, 1990

by L.P. Magasi. S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. (Technical



note ; no. 237) ISSN 0820-8107  
MICROLOG 90-05575 1 fiche

Information on forest pest conditions in the Maritimes as of mid-June 1990, including a summary of weather conditions, and the effects of winter drying. Insects and pests highlighted include the gypsy moth, the larch casebearer, Scleroderma canker, oak leaf roller, Eastern tent caterpillar, and Rhabdochne needle cast.  
• AP CA FO SC

#### Highlights of forest pest conditions in the Maritimes in mid-September, 1990

by J.E. Hurley. S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. (Technical note ; no. 241) ISSN 0820-8107  
MICROLOG 90-07079 1 fiche

Fourth report for 1990, briefly discussing forest pest conditions as they appeared in the Maritimes in mid-September. Details are given for the variable oak leaf caterpillar, the gypsy moth, the hemlock looper, the early browning of white birch, the yellowheaded spruce sawfly, the larch sawfly, and the fall webworm.  
• AP CA FO SC

#### Highlights of the annual Meeting of the American Physical Society

by R.H. Goodman. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 9 p. (Report ; MS 65-38) *Highlights of the Mossbauer Effect Symposium also included.*  
MICROLOG 90-04628 1 fiche

Highlights of the Mossbauer Effect Symposium and of the annual Meeting of the American Physical Society (APS). The symposium dealt mainly with methodology rather than experimental results. Papers included summaries of the state of the art in chemistry, physics, and biology; an analysis of the stability conditions for a loudspeaker feedback system; and a number of new techniques, including the use of superconducting and Bitter-solenoid magnets. Papers given at the APS annual meeting included theoretical calculations of the Mossbauer effect, man-made diamonds; and the history of 20th century physics.  
• CA CM NR PS SC

#### Highlights of the evaluation of the Employment Opportunities Program

Burt Perrin Associates. Toronto : Ministry of Community and Social Services, 1989. 38 p. ISBN 0-7729-4424-5  
MICROLOG 90-01339 1 fiche

This report briefly describes the Employment Opportunities Program and presents the major findings and highlights of the evaluation studies which were carried out over a three year period. It also provides information about the value and benefits of employment-related programs, and indicates which approaches appear to have worked best for different client groups.  
LA ON PR SA

#### Highvale soil reconstruction project : five year summary

by D.N. Graveland...et al. ; for the Plains Coal Reclamation Research Program. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, Plains Reclamation Research Program, 1988. xxx, 102 p. : ill. Bibliogr. (Report ; RRTAC 88-11)  
MICROLOG 90-02884 2 fiche

The Highvale soil reconstruction project was initiated in 1982 by government and coal industry representatives to provide interpretive data for reclamation planning and post-mine land management of sodic strip-mined soils. The project determined the optimum depth of subsoil replacement over sodic minespoil to ensure adequate crop productivity; examined

slope configurations which could minimize soil quantities needed to restore the original productivity of reclaimed land; and assessed the sustainability of crop production on soil replaced over sodic minespoil by monitoring upward soluble salt migration into the root zone. This report presents a summary of the activities and results of the reclamation research project at the Highvale Mine from 1983-87.  
AG AL EV PR SC

#### L'Histoire du Canada

par P.B. Waite. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 22, 22 p. Bibliogr. (Guides pédagogiques des études canadiennes) *Bilingue (Canadian history)*. ISBN 0-662-56136-8  
MICROLOG 90-01562 1 fiche

Ce guide porte sur l'histoire du Canada et fait partie d'une collection de sept ouvrages. Il comporte une introduction, et des listes des ouvrages essentiels et des lectures complémentaires ainsi que des listes des ouvrages de référence, instruments de recherche, revues, microformes, documents audiovisuels, et sources informatisées.  
CA CU

#### Histology of the Atlantic cod *Gadus morhua* : an atlas, part one : digestive tract and associated organs

by C.M. Morrison. Ottawa : Dept. of Fisheries and Oceans, 1987. iv, 219 p. : ill. Bibliogr. (Canadian special publication of fisheries and aquatic sciences ; 98) *Bilingual (Atlas d'histologie de la morue...)*. ISSN 0706-6481 ISBN 0-660-53817-2  
MICROLOG 90-00007 3 fiche

First of a series of atlases of cod histology. Cod are one of the most economically important fish and much effort is expended on assessment of stocks of eggs, larval, juvenile and adult cod. Development and behaviour have also been studied, as well as parasites and presence of contaminants, but few histological studies have been done. Light and transmission electron micrographs of the digestive tract and its associated organs (the gallbladder, liver, pancreas and swimbladder) are presented. Scanning electron micrographs of the digestive tract and swimbladder are also shown.  
AP CA CF FI LS SC

#### A Historical perspective of sugar maple decline within Ontario and outside of Ontario

by W.D. McIveen, S.T. Rutherford and S.N. Linzon. Toronto : Environment Ontario, 1986. 40 p. Bibliogr.  
MICROLOG 90-01239 1 fiche

A disorder of sugar maple trees in North America, characterized by a general decline in health frequently leading to death, is now recognized. No single cause of the condition has been identified and it may be a non-specific response of the tree to a variety of combination of agents. Recently, consideration has been given to the possibility that acidic deposition or pollutants transported over long distances could be involved. This report summarizes the published data for maple decline in an attempt to place a historical perspective on the situation both within and without the province of Ontario.  
EV FO ON PR SC

#### Historical resources consultants and consulting firms

Edmonton : Archeological Survey of Alberta, 1989. 10 p.  
MICROLOG 90-02903 1 fiche

This listing of historical resource consultants and consulting firms contains those firms and individuals who have identified themselves to the Archaeological Survey of Alberta as being

available to conduct historical resource assessments and research work. All persons and agencies in this list are qualified or have access to staff who are qualified to apply for an archaeological research permit.  
AL CU PR

#### Historical review of the Meziadin River Fishway Biological Program from 1964 to 1986

by D. Haugan, A.L. Jantz and B. Spilsted. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, 1989. iii, 112 p. (Canadian data report of fisheries and aquatic sciences ; no. 765) ISSN 0706-6465  
MICROLOG 90-06136 2 fiche

Prior to the construction of the Meziadin fishway in 1966, it was thought that the Meziadin system produced less than 4% of the total Nass sockeye return. Since the completion of the fishway, it has been discovered that 70%-80% of the Nass River sockeye run returns to the Meziadin system. This report presents daily fishway counts for all salmon species and steelhead trout, and age, sex and length information for sockeye salmon from 1964-86. Total escapements for all salmon species and age composition for sockeye in the Damdochach, Fred-Wright, Meziadin and Bowser systems is recorded.  
• BC CA CF FI SC

#### Historical streamflow summary : Alberta to 1988 : supplement

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xii, 63 p. *Bilingual (Sommaire chronologique...Alberta...)*. CSI 22296 004. ISBN 0-662-57565-2  
MICROLOG 90-06929 1 fiche

This publication contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Descriptive information is given about the gauging stations, including latitude and longitude, drainage area, whether the flow is natural or regulated and if the station is international. For gauging stations where systematic streamflow data have been obtained, a summary of monthly and annual mean discharges, annual maximum instantaneous discharges, annual maximum and minimum daily discharges, identification of the extreme recorded for the period of record, and annual total discharge in cubic metres is given.  
AL CA NR SC ST

#### Historical streamflow summary : British Columbia, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xii, 1056 p. *Bilingual (Sommaire chronologique...Colombie-Britannique...)*. CSI 22296.021. ISBN 0-662-56772-2  
MICROLOG 90-00803 11 fiche

Summary of monthly and annual mean discharges and annual extremes of discharge for rivers in British Columbia for which streamflow data to 1988 inclusive has been collected. Descriptive information about a gauging station is given also, including latitude and longitude, drainage area and whether the flow is natural or regulated, the year that regulation began, international station if so identified and the names of cooperating agencies who supply information. Streamflow data includes summaries of monthly and annual mean discharges, annual maximum instantaneous discharges, annual maximum and minimum daily discharges, identification of the extreme recorded for the period of record, and annual total discharge in cubic decametres.  
BC CA EV NR PS SC ST



# **Historical streamflow summary : Ontario to 1988**

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xii, 611 p.  
*Bilingual (Sommaire chronologique...Ontario...)*.  
CSI 22296.016. ISBN 0-662-56768-4  
MICROLOG 90-01285 7 fiche

The Water Resources Branch presents a summary of monthly and annual mean discharges and annual extremes of discharge for rivers in Ontario for which streamflow data to 1988 inclusive have been collected by the Water Survey. Also included are the organization and history of hydrometric survey operations, equivalents of measure, definition of terms and abbreviations, method of tabulation of data, and comments on the accuracy of hydrometric data. Streamflow data are listed by gauging stations in alphabetical order.  
CA EV NR ON PS SC ST

# **Historical streamflow summary : Quebec to 1988**

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada ; Longueuil, Que. : Environment Canada, Inland Waters Directorate, Quebec Region, Water Quantity and Quality Branch, 1989. xiii, 494 p.  
*Bilingual (Sommaire chronologique...Québec...)*.  
CSI 22296.019. ISBN 0-662-56774-9  
MICROLOG 90-02787 6 fiche

Data includes a summary of monthly and annual mean discharges, annual maximum instantaneous discharges, annual maximum and minimum daily discharges, identification of the extreme recorded for the period of record, and annual total discharge in cubic decameters. Descriptive information is given about gauging stations, including latitude and longitude, drainage area and whether the flow is natural or regulated, if the station is international or not, and the names of cooperating agencies who supply data.  
CA EV NR PS QU SC ST

# **Historical streamflow summary : Yukon and Northwest Territories to 1988**

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xii, 155 p.  
*Bilingual (Sommaire chronologique...Yukon...)*.  
CSI 22296.020. ISBN 0-662-56773-0  
MICROLOG 90-02137 2 fiche

Summary of monthly and annual mean discharges and annual extremes of discharge for rivers in the Yukon and Northwest Territories for which streamflow data to 1988 inclusive were collected. Data include a summary of monthly and annual mean discharges, annual maximum instantaneous discharges, annual maximum and minimum daily discharges, identification of the extreme recorded for the period of record, and annual total discharge in cubic decameters. Descriptive information about the gauging station is given, including latitude and longitude, drainage area, whether the flow is natural or regulated, whether the station is international, and the names of cooperating agencies who supply data.  
CA EV NO NR PS SC ST

# **Historique des prises et population initiale des bélugas *Delphinapterus leucas* dans l'estuaire et le golfe du Saint-Laurent, est du Canada**

par R.R. Reeves et E. Mitchell. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 101 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5364)  
*Originally published in English.* ISSN 0704-3716  
MICROLOG 90-01780 2 fiche

Le but de cette étude, entreprise au début de 1982, est de décrire l'histoire de l'exploitation des bélugas dans le système du Saint-Laurent, afin d'estimer les populations antérieures et d'évaluer avec précision la situation actuelle du stock de bélugas.  
• CA CF FI QU SC

# **Historique du Commissariat aux langues officielles, 1970-89**

par M. Héroux. Ottawa : Commissariat aux langues officielles, 1989. v, 49, v, 46 p.  
Bibliogr. *Bilingue (The Office of the Commissioner...)*.  
MICROLOG 90-04879 2 fiche

Ce mémoire permet d'effectuer un retour aux sources, de dresser le bilan des réussites et des échecs, d'inventorier les forces vives et les faiblesses, de colliger les particularités généalogiques et génétiques et de transformer l'expérience du passé en un tremplin pour l'avenir. Il se penche particulièrement sur les sujets suivants: une institution à la poursuite de l'égalité linguistique; et, l'évolution des poursuites et des structures.  
CA CU

# **History and present state of the odd- year pink salmon runs of the Fraser River region**

by W.E. Ricker. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. vi, 37 p. : ill. (Canadian technical report of fisheries and aquatic sciences ; no. 1702)  
ISSN 0706-6457  
MICROLOG 90-01115 1 fiche

Pink salmon of the Pacific Ocean have a 2-year life history almost without exception. In even-numbered years pinks are very scarce in the Fraser River and most adjacent streams of the lower Strait of Georgia and Puget Sound, but are abundant in the odd-numbered years - a situation which has existed from the first historical records in the 19th century. This report concentrates on the history of the odd-numbered year stocks, explaining changes in abundance, the reaction of pink salmon to obstructions, the effect of the commercial fisheries, the size of Fraser-Puget pink salmon, and productivity of Upper Fraser pink stocks.  
• BC CA CF FI SC

# **A History of rat control in Alberta**

Edmonton : Alberta Agriculture, 1989. 5 p. (Agri-fax)  
MICROLOG 90-00214 1 fiche

Norway rats are one of the most destructive creatures known to man and the people of Alberta are extremely fortunate not to have them. This is not by chance but by design. For the past 4 decades, Alberta has had a program to keep rats out of the province. This factsheet describes the evolution, history and current status of the rat control program in Alberta, and discusses factors which contributed to this success.  
AG AL PR SC

# **HIV and AIDS : Canada's blueprint**

Ottawa : Health and Welfare Canada, 1990. 56, 62 p. : ill. *Bilingual (Le VIH et le sida...)*  
ISBN 0-662-57586-5  
MICROLOG 90-06406 2 fiche

It is estimated that up to 50,000 Canadians are now infected with HIV, and, at the moment, there is no cure or vaccine for the virus. This document describes the dimensions of HIV and AIDS within Canada and around the world and outlines an agenda for action for the 1990s. It is the product of consultation with the major partners in the fight against HIV and AIDS. It identifies three areas of the greatest need: education and prevention; biomedical

research; and care, treatment and support.  
CA CI HE SA

# **HIV/AIDS in the workplace**

Toronto : Information and Privacy Commissioner/Ontario, 1989. 21, 24 p.  
*Bilingual (Le VIH et le sida...)*. *Executive summary (3 p.) laid in.* ISBN 0-7729-6378-9  
MICROLOG 90-03234 1 fiche

The report contains 12 workplace privacy principles which ministries, agencies, boards and commissions of the Ontario Government are encouraged to incorporate into their general workplace policies on HIV/AIDS.  
CI HE LA ON PR

# **Hog fuel yield factors for British Columbia**

by M.R.C. Massie and G.H. Manning. Victoria : Government of Canada, Canadian Forestry Service, Pacific Forestry Centre, 1989. v, 15 p. (Information report ; BC-X-313) ISSN 0830-0453 ISBN 0-662-17358-9  
MICROLOG 90-02608 1 fiche

This report reviews the history of utilization of woody biomass for fuel in British Columbia and discusses the utilization of the various potential components of hog fuel. A listing of hog fuel yield (by proportion of total volume) factors from merchantable logs, by timber supply area or supply block, and species grouping is given. Waste is divided into sawdust, shavings, cedar wastes, veneer and plywood wastes, and lumber and pulp market effects. Factors were developed for timber supply areas on the basis of mill coefficients. Each area was considered on the basis of timber type and mills supplied. Where relationships were unclear, average coefficients were used that reflected mills in the general supply area as well as the proportions of whitewood (pine, spruce, balsam, hemlock), cedar and other softwoods, mainly Douglas-fir and larch, coming from the supply area. The hog fuel factors for timber supply areas developed in this report are based on data from 1978-88 and represent the technology being used in forest products manufacturing during that period, as well as the timber being harvested during that period.  
• BC CA EN SC

# **Holland College and University of Prince Edward Island graduates : success in obtaining employment, 1983-87 graduates**

Prince Edward Island. Research, Evaluation and Technical Services. Charlottetown : The Services, 1989. 216 p. CSI 61107 004.  
MICROLOG 90-05828 3 fiche

Publication providing information on how the graduates of training courses fare in finding a job. All University of Prince Edward Island and Holland College post secondary graduates were included in the survey as well as graduates of the Canada Employment and Immigration sponsored courses of more than 20 weeks in length. Also in the past five years Vocational High School graduates have been included.  
AP ED LA PR ST

# **Holography finds defective mortar joint in concrete block wall**

by D.L. Mader and E.J. McCollm. Toronto : Ontario Hydro, Research Division, 1990. 8 p.  
Bibliogr. (Report ; no. 89-287-K)  
MICROLOG 90-06028 1 fiche

Report on a defective mortar joint in a concrete block wall which was detected by holography, supported by ultrasonic measurements and confirmed by direct observation of core samples taken from the wall.  
EN ON PR PS SC



**Home sharing promotional activities study**

S.I. : Regional Niagara Senior Citizens Department ; Toronto : Ministry of Housing, Housing Conservation Unit, 1987. i, 77 p. MICROLOG 90-03764 1 fiche

This document identifies the full range of promotional activities that are currently being used by home sharing services in Ontario, and determines the relative effectiveness of each. ON PR SA

**Home-based business : exhibitor's handbook for trade shows, exhibitions and fairs**

Victoria : Ministry of Regional and Economic Development, 1989. 36 p. : ill. ISBN 0-7726-1040-1 MICROLOG 90-03828 1 fiche

This document discusses the trade show as a market place, success through practical planning, the exhibit booth and supplies, selling your product or service, and after the show. BC CO PR

**Home-based business, workbook 2 : marketing your products and services**

Victoria : Ministry of Regional and Economic Development, 1989. 98 p. Bibliogr. ISBN 0-7726-1016-9 MICROLOG 90-03829 2 fiche

Discusses marketing for small business entrepreneurs, a marketing plan, image and message, selling, marketing products and services, cash flow projections, marketing by mail, group marketing. BC CO PR

**Homelessness in Canada -- Rev.**

by P. Begin. Ottawa : Library of Parliament, Research Branch, 1989. 13 p. Bibliogr. (Current issue review, 89-8E) French ed. (*Les Sans abri au Canada*) on the same fiche. ISBN 0-660-13558-2 MICROLOG 90-05729 1 fiche

This paper defines homelessness, and discusses the difficulty of estimating the number of homeless people. It also addresses the issue of the composition of the homeless, and the shortage of affordable housing. It includes information on parliamentary action on this matter. CA CI SA

**Homeshaaring : a housing alternative for seniors**

prepared for the Society for the Retired and Semi-Retired, by Sintra Group Inc. Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. vi, 90 p. : ill. Bibliogr. ISBN 0-88654-263-4 MICROLOG 90-03539 2 fiche

Documents a one year pilot program developed and operated by the Society for the Retired and Semi-Retired during 1987-88. The report provides background information on the Society, the research approach, study objectives, literature review, pilot program, and project evaluation. AL PR SA

**Homicide in the workplace in Ontario : occupations at risk and limitations of existing data sources**

by G.M. Liss and C.A. Craig. Toronto : Ministry of Labour, Health Studies Service ; Ministry of the Solicitor General, Office of the Chief Coroner, 1988. 20 p. Bibliogr. MICROLOG 90-01071 1 fiche

Identifies workplace homicides in the province from 1975 to 1985, describes those at risk, and examines what existing data sources are most suitable for locating the occurrence of

these events. It specifies industry, occupation, and gender categories for which the risk of workplace homicide for Ontario workers is high. BS CI LA ON PR

**Hook and line survey of lingcod *Ophiodon elongatus* stocks in the Gulf Islands region (MSA 17) of the Strait of Georgia, 1985 to 1988**

by C.M. Hand and L.J. Richards. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 45 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2043) ISSN 0706-6473 MICROLOG 90-03436 1 fiche

A survey of lingcod stocks in the Gulf Islands region of the Strait of Georgia was conducted, in 3 parts, from 1985-88 to compare trends in catch-per-unit-effort (CPUE) obtained from sales slip data to trends in CPUE obtained under known experimental conditions, and thus to evaluate the representativeness of the sales slip CPUE. This report documents part 3 of the survey and discusses the results in relation to parts 1 and 2.

• BC CA CF FI SC

**Horizons, 1987-89**

Ottawa : Environment Canada, Technology Development and Technical Services Branch, 1989. 36, 36 p. : ill. *Bilingual (Horizons, 1987-89)*. ISBN 0-662-57131-2 MICROLOG 90-02498 1 fiche

Annual report of the Branch, covering its activities, mandate and related organizations. The Branch's activities in the area of clean water, including computerized process audits, fuel oil from sludge, the BIOS project and the DIRECT program; activities relating to pure air, including motor vehicle emissions control and alternative fuels; and activities relating to productive land, including the use of wastewater and sludge in agriculture and treating inorganic residues are all described.

• CA EV SC

Ottawa : Environnement Canada, Direction du développement de la technologie et des services techniques, 1989. 36, 36 p. : ill. *Bilingue (Horizons, 1987-89)*. ISBN 0-662-57131-2 MICROLOG 90-02498 1 fiche

Ce document présente le Rapport du Groupe de travail national sur l'environnement et l'économie. Ce groupe de travail a rédigé un rapport qui a de vastes retombées sur fusion de l'économie et de l'environnement au pays. Dans ce rapport le Groupe de travail fait état de l'émergence d'un consensus national sur la nécessité de tenir compte des dimensions environnementales du développement en même temps que de ses dimensions économiques, sociales et politiques.

• CA EV SC

**Horizons, 1990-91 : guide to postsecondary education in Ontario**

Toronto : Ministry of Colleges and Universities, 1990. 206 p. CSI 55103.006. ISSN 0381-3789 MICROLOG 90-04836 3 fiche

This publication provides an overview of the wide range of opportunities available through Ontario's universities, colleges, private vocational schools, and other postsecondary educational institutions. It also includes information on financial assistance available for students. ED ON PR

**Horizontal language audit : language of work in the federal administration in New Brunswick**

Ottawa : Office of the Commissioner of Official Languages, 1989. 13, 14 p. *Bilingual*

(Vérification linguistique...). MICROLOG 90-06433 1 fiche

In 1987, the Office conducted a language of work survey of federal public servants in New Brunswick to determine the degree to which public servants were able to work in the official language of their choice and to identify factors likely to influence their decision to use English or French in the workplace. The five-part survey questionnaire was sent out to 2,853 public servants in bilingual positions. Of the 81 percent who responded, 1,495 were Francophones and 821 Anglophones. The purpose of the study is two-fold: to determine the degree to which federal public servants were able to exercise their language of work rights; and to identify factors likely to influence their decision to use English or French in the workplace. AP CA PA

**The Horse flies and deer flies of Canada and Alaska**

by H.J. Teskey. Ottawa : Dept. of Agriculture, Research Branch, 1990. 381 p. : ill., maps. Bibliogr. (The Insects and arachnids of Canada ; pt. 16) ISSN 0706-7313 ISBN 0-660-13282-6 MICROLOG 90-06451 4 fiche

Identification guide to flies of the family *Tabanidae*, commonly known as horse flies and deer flies. The guide includes a life history and distribution, methods of collecting and preserving, adult morphology, a key to subfamilies and genera, and descriptions of the three subfamilies and the associated genera. A glossary is included. AG CA LS SC

**Hospital and Health Services Commission of Prince Edward Island : Annual report 1988-89**

Charlottetown : The Commission, 1989. vi, 30 p. : ill. CSI 62101.001. MICROLOG 90-05284 1 fiche

The Commission administers public health care services for the Province which provides residents with a system of hospital care insurance open to all regardless of age, financial circumstances and condition of health. The annual report reviews the year's highlights which include: claims information system, French language health services study, health promotion pilot project, in-province liaison study, nutrition and dietetic study, nursing forum, out-of-province liaison program, panel on the hospital's role in the health community, pre-hospital and emergency services study, quality assurance program, and West Prince hospitals. The statistical compendium includes all financial aspects of the Commission. AP HE PR ST

**Hospital care in Alberta : statistical supplement, 1986-87**

Edmonton : Alberta Health, 1989. xvi, 51 p. CSI 34123.002. MICROLOG 90-04448 1 fiche

This document presents hospital operation data, hospital financial data, and nursing home operation and patient data. It includes an alphabetical listing of institutions and a map. AL HE PR ST

**Hospital statistics, 1987-88**

Toronto : Ministry of Health, 1989. xx, 199 p. CSI 55111.005. ISSN 0837-4414 MICROLOG 90-03746 3 fiche

Contains tables which provide information on the utilization of services and care provided to in-patients and out-patients of public general hospitals, federal hospitals, private hospitals and psychiatric hospitals. HE ON PR ST



## Houghton Lake area

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 26 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 552) *Fold. maps not filmed.* MICROLOG 90-04565 1 fiche

Geological data inventory for Houghton Lake Area, including a checklist of data sources, a reference list for mineral commodities, mineral occurrences, type of exploration work by individual or company, drillhole summary by company, results of an airborne geophysical survey, results of geochemical survey, aerial photos available, newspaper clippings, results of an OGS/ODM general index search, and selected references.  
NR ON PR SC

## Hounsfield Heights/Briar Hill : area redevelopment plan

Calgary, Alta. : Calgary Planning and Building Dept., 1989. ii, 115 p. : ill., maps. MICROLOG 90-01808 2 fiche

The plan addresses issues, problems, and opportunities in the community from a planning perspective and recommends policies and actions to deal with them. The plan takes into consideration the following aspects of the community: residential; commercial; institutional; open space and community facilities; education; transportation; and social.  
AL MU PL

## Hourly forecast models for the Lake Erie elevations

by F. Camacho. Toronto : Ontario Hydro, Research Division, 1989. i, 58 p. : ill. Bibliogr. (Report ; no. 89-239-K) MICROLOG 90-03533 1 fiche

Lake Erie is subject to meteorological events which produce oscillations on the surface, altering the elevation of the lake at Fort Erie and increasing the flows on the Niagara River. This increase in the flow could be properly utilized if its availability could be predicted. This report presents the results of work carried out to develop a statistical forecasting model to predict hourly Lake Erie elevations at Fort Erie for 6 hours ahead, based only on historical information.  
EV ON PR PS SC

## A House divided : Meech Lake, Senate Reform and the Canadian Union

by G. Robertson. Halifax : Institute for Research on Public Policy, 1989. xxx, 98 p. Bibliogr. ISBN 0-88645-096-6 MICROLOG 90-00928 2 fiche

In this position paper, the author discusses the west and the Senate problem; the morass of Meech Lake; the myth of the time limit, the common interest of the West and Quebec; and an elected Senate.  
• CA CI CU PA

## House of Commons procedure : its reform -- Rev.

by J. Stilborn. Ottawa : Library of Parliament, Research Branch, 1989. 12 p. Bibliogr. (Current issue review ; 82-15E) *French ed. (La Réforme de la procédure...) on the same fiche.* ISBN 0-660-13509-4 MICROLOG 90-05372 1 fiche

This paper focuses on efficiency of Parliament procedure and how it has been the dominant objective of procedural reform from before the turn of the century, to the early 1980s. It provides an issue definition, background information; discusses parliamentary action on the issue and presents a chronology of events

relating to this matter.  
CA CI PA

## Housing and neighbourhoods : the liveable waterfront : report on waterfront housing and neighbourhoods

Royal Commission on the Future of the Toronto Waterfront (Canada). Housing and Neighbourhoods Work Group. Toronto : The Commission, 1989. 241 p. : maps, fold. maps. (Report ; 2) *French ed. (Logement et voisinages...) : 90-05809/4.* ISBN 0-662-16936-0 MICROLOG 90-05434 3 fiche

One of a series of reports prepared by work groups for the Commission. This report deals with housing and neighbourhoods on or close to the lakeshore of Metropolitan Toronto, from Etobicoke Creek in the west to the mouth of the Rouge River at the eastern end, within the boundaries of the Regional Municipality of Metropolitan Toronto at the regional level, and the cities of Scarborough, Toronto, and Etobicoke. The report addresses the waterfront population and housing stock; the current policies, plans and initiatives of the federal and provincial governments and the municipal governments of Metro Toronto, City of Toronto, City of Etobicoke and City of Scarborough. The issues of housing and neighbourhood presence, affordability, mixed use, infrastructure and community facilities, environmental clean-up, planning and design controls, and government coordination and accountability are addressed, concluding in recommendations for both new and existing neighbourhoods.  
CA MU ON PL SC ST

## Housing and supportive services for elderly persons in Manitoba

by N.L. Chappell and J. Horne. Ottawa : Canada Mortgage and Housing Corporation, 1987. iv, 80 p. Bibliogr. MICROLOG 90-01622 1 fiche

Provides the results of an empirical evaluation and cost analysis of the provision of housing and supportive services to older individuals. Based on data from interviews conducted with older individuals throughout much of the province of Manitoba as well as from information regarding home care service utilization, medical claims and in-patient hospital claims, comparisons are made among those living in their own homes in the community and those living in three different forms of seniors' housing (elderly persons housing with support services provided internally; elderly persons housing with support services provided externally, and multi-level care facilities).  
CI MS PR SA

## Housing and urban land terminology

by J. Le Néel and C. Moretlin. Ottawa : Translation Bureau ; Federation of Canadian Municipalities, 1981. viii, 210, viii, 210 p. Bibliogr. (Terminology bulletin ; 172) *Bilingual (Terminologie du logement...)* ISBN 0-660-50814-1 MICROLOG 90-02669 5 fiche

This glossary is a revised and enlarged edition of the 'Urban Land Use Terminology' published in 1979. The scope of this new edition goes far beyond the original fields of zoning and land-use planning to encompass other land-related topics such as housing, urban renewal, real estate appraisal, property law and taxation, of primary concern to municipalities.  
CA PL SC

## Housing for older Canadians : new financial and tenure options

Ottawa : Canada Housing and Mortgage Corporation, 1988. v, 21, vi, 23 p. *Bilingual (Logement pour les Canadiens âgés...)* MICROLOG 90-01854 1 fiche

This document reviews financial options for seniors who want to stay in their homes (deferred payment plans, reverse mortgages, sale plans), and new tenure options for seniors who want to move to retirement housing (loan stock arrangements, shared equity arrangements, life tenancies).  
CA CI SA

## Housing Indian elders on-reserve

by Randy Pecarski, Margaret Eberle, David Hulchanski ; for Canada Mortgage and Housing Corporation. Ottawa : David Nairne & Associates Ltd., 1989. 75 p. : ill. Bibliogr. MICROLOG 90-06833 1 fiche

This study examines the issues surrounding the provision of elders housing on B.C. Indian reserves. It is concerned with how Bands allocate limited housing funds in light of changing demographic trends. Indian elders are identified as a group about which little research or policy making has occurred in the past and little is known about their existing housing conditions or needs. The Lytton Indian Band has addressed its elders needs by constructing a 22 unit multiple housing complex. The complex, which was completed in 1985, has generated much interest on the part of other B.C. Indian bands. This document provides a way for this experience to be shared.  
CA NP SA

## The Housing industry : perspective and prospective : summary report, the changing housing industry in Canada, 1946-2001

Ottawa : Canada Mortgage and Housing Corporation, 1988. xii, 54 p. ISBN 0-660-13100-5 MICROLOG 90-01248 1 fiche

This summary report highlights the major findings of 5 working papers covering: the evolution of the housing industry in Canada, 1946-1986, the evolution of the housing production process, 1946-1986, the housing industry and the economy in Canada, 1946-1986, the housing industry and change, and the housing industry in the future.  
CA CO PL SA

## Housing intensification : a policy report in the review of the Official plan for the urban structure, Metropolitan Toronto

Metropolitan Toronto (Ont.). Planning Dept. Policy Development Division. Toronto : The Division, 1989. iii, 82 p. (Metropolitan plan review : policy report ; no. 2) MICROLOG 90-05715 1 fiche

The purpose of this report is to propose a policy direction in housing matters and amendments to the Official Plan. It also develops a series of programs to assist in policy implementation. It outlines the policy objectives of the Municipality of Metropolitan Toronto with regard to housing intensification matters and presents planning rationale for the direction or policy stance chosen.  
MU ON PL SA SC

## Housing intensification : broad population trends

Metropolitan Toronto (Ont.). Planning Dept. Policy Development Division. Toronto : The Division, 1989. 8 p. : ill. (Metropolitan plan review : discussion paper ; no. 1) CSI 89187 201 MICROLOG 90-06886 1 fiche

This document contains an age and sex profile of population in Metropolitan Toronto, 1986, and a projected profile for 2011. It also presents information on the percentage change in population, and in households, from 1976 to 1986 by Metro Wards.  
MU ON SA ST



**Housing intensification : community conflict resolution centres : a resource for neighbourhood planners**

Metropolitan Toronto (Ont.). Planning Dept. Policy Development Division. Toronto : The Division, 1989. 4 p. (Metropolitan plan review : discussion paper ; no. 3)  
MICROLOG 90-05974 1 fiche

The primary objective of a conflict resolution service is to assist local residents to meet and discuss neighbourhood conflicts or personal disputes in a supportive and impartial environment. This document explains the process of conflict resolution, and discusses important attributes of the process. It also lists some examples of conflict resolution services in Ontario.

MU ON SA

**Housing intensification : introducing change in Metro's communities**

Metropolitan Toronto (Ont.). Planning Dept. Policy Development Division. Toronto : The Division, 1989. 10 p. Bibliogr. (Metropolitan plan review : discussion paper ; no. 2)  
MICROLOG 90-05973 1 fiche

The report is a discussion paper prepared for the information of Metropolitan Council, community groups, organizations and members of the public in the review and understanding of issues related to the subject of 'housing intensification'. The primary issue that emerged from the housing intensification open houses and briefs is the question of how to achieve intensification while remaining sensitive and responsive to local concerns.

MU ON SA

**Housing intensification study : strategy options report -- Draft.**

Hamilton, Ont. : Municipality of Hamilton-Wentworth, 1989. 7 p.  
MICROLOG 90-01105 1 fiche

This document presents strategy options which provide the basis from which the Technical Steering Committee that is guiding the housing intensification study will formulate final strategies and create an implementation plan. The strategy options take the form of 5 'packages' which present a series of recommendations that are in keeping with the theme of each individual option package.

MU ON SA

**Housing on Toronto's main streets : proposals report, 1989**

by R.E. Millward, D. Burns and R.M. Bremner. Toronto : Toronto Land Use Committee, 1989. 64 p. : ill.  
MICROLOG 90-00680 1 fiche

This report is a response to councillor Gilbert's proposal to redevelop the main streets of Toronto. The proposal argues that main streets are a logical location for the provision of new housing. The report is also a response to a motion of Alderman Paul Christie adopted by City Council at its meeting on June 13 and 17, 1988 which pointed out that the City has a considerable amount of land which is designated mixed commercial-residential; however, builders increasingly take the option of building only the commercial component.

MU ON SA

**Housing policy in eastern European countries : an annotated bibliography**

by L. Chen. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1988. 20 p. (Bibliographies ; no. 5) ISSN 0828-2447  
MICROLOG 90-05482 1 fiche (Available on fiche only)

This bibliography reviews 34 titles covering the economic development and housing situations in eastern European countries. Most of the titles

are articles from journals. Featured countries include: Turkey, Poland, China, Soviet Union, Yugoslavia, Hungary and others. Some papers deal with specific countries and others, with 3 or more countries. Some also deal with national housing situations at post-war time.  
BC PR SA

**Housing programs, 1990-91**

Edmonton : Alberta Municipal Affairs, Housing Division, 1990. 73 p. CS/ 34132.001. ISSN 0835-3824

MICROLOG 90-07235 1 fiche

This publication describes the housing and related programs provided by or through Alberta Municipal Affairs and the Alberta Mortgage and Housing Corporation. The programs are grouped according to such categories as home ownership, rental housing, rural and northern housing, assistance for senior homeowners, assistance for disabled persons, municipal assistance, R&D, housing registries, insurance and inactive programs. Only the main features of the programs are listed.

AL PR SA

**Housing requirement projections for Ontario, 1986-2001**

Toronto : Ministry of Housing, Corporate Policy and Planning Branch, 1989. 13 p. : ill.  
MICROLOG 90-02212 1 fiche

This document contains population projections. It also discusses housing requirements, and presents an estimation of deferred demand.

CI ON PR SA

**Housing that Grandma helped plan : consumer participation in the process of developing housing for older persons**

by C. Kathler. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1987. 23 p. Bibliogr. (Canadian planning issues ; no. 22) ISSN 0828-2390  
MICROLOG 90-05490 1 fiche (Available on fiche only)

Planning and developing housing which older persons, or others like them, will use, is the topic of this paper. It includes demographic shifts, housing needs and preferences, the housing context, consumer participation and a conclusion.

BC CI PR SA

**How to control hemp-nettle**

Winnipeg : Manitoba Agriculture, 1990. 4 p. : ill.  
MICROLOG 90-07173 1 fiche

Short description of an increasingly troublesome annual weed in Manitoba's agricultural industry, including how to identify it, its habitat, prevention, and chemical and cultural control.

AG MS PR SC

**How to use the CSA B415 performance standard to improve furnace efficiency**

by C. LeMay. Ottawa : Energy, Mines and Resources Canada, Renewable Energy Division, 1987. 27 p. : ill. ISBN 0-662-15812-1  
MICROLOG 90-00381 1 fiche

To help the wood-burning appliance industry develop more efficient appliances, and to help the consumer select the best appliance for their requirements, the Canadian Standards Association developed a methodology for rating the efficiency of, and the emissions from, wood-burning appliances in the residential range. Manufacturers may use a portion of this test methodology, the dilution tunnel sampling procedure, to do their own performance testing. Because B415 performance testing and appliance labelling is not mandatory in Canada, it is not being done. On the other hand, the

U.S. Environmental Protection Agency has legislated maximum levels for particulate emissions from wood heaters for sale in the U.S. after July 1988. American manufacturers have been forced to react and are rushing to improve their products before the deadline, and Canadian manufacturers who export to the U.S. are doing the same. This report documents the reliability of the dilution tunnel sampling procedure as a tool which can be used by Canadian manufacturers to develop cleaner-burning products.

• CA EN PS SC

**How to work safely with corrosive liquids and solids**

by M. Lowther. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1988. i, 12 p. Bibliogr. ISBN 0-660-12941-8

MICROLOG 90-01085 1 fiche

Describes corrosive liquids and solids, and explains how they are hazardous, and how to work safely with them. It also presents basic safe practices.

• CA HE LA

**How to work safely with dangerously reactive liquids and solids**

by M. Lowther. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. i, 16 p. Bibliogr. French ed. (Comment travailler en toute...) : 90-05751/1. ISBN 0-660-13449-7

MICROLOG 90-03616 1 fiche

General information on how to work safely with dangerously reactive liquids and solids, intended for workplaces where such liquids and solids are present in storage containers holding 250 litres (55 gallons) or less. It does not cover bulk storage tanks, piping systems, dangerously reactive compressed gases, peroxides formed during the storage of chemicals such as ethers, or specific processes using dangerously reactive liquids or solids. The publication describes the characteristics of such liquids and solids; their dangers from fire, explosion and hazards to health; presents basic safety practices; and covers methods of safe working, including substitution, ventilation, storage, dispensing, handling, disposal, protective equipment and emergency procedures.

• CA LA PS SC

**How to work safely with flammable and combustible liquids**

by M. Lowther. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1988. i, 16 p. : ill. Bibliogr. ISBN 0-660-12933-7

MICROLOG 90-01084 1 fiche

This document describes flammable and combustible liquids, and explains how they are hazardous, and how to work safely with them. It also presents basic safe practices.

• CA HE LA

**Howey Township**

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. (Geological data inventory folio ; GDIF 559) Fold. maps not filmed.

MICROLOG 90-04567 1 fiche

Geological data inventory for Howey Township, including a checklist of data sources, type of exploration work, results of an airborne geophysical survey, topographical maps available, results of an OGS/ODM general index search, and selected references.

NR ON PR SC

**Hudson Bay and Ungava Bay ice-melt cycles for the period 1963-83**

by R.H. Loucks and R.E. Smith. Dartmouth,



N.S. : Bedford Institute of Oceanography ; Dept. of Fisheries and Oceans, Scotia-Fundy Region, Physical and Chemical Sciences, 1989. vi, 48 p. : ill. Bibliogr. (Canadian contractor report of hydrography and ocean sciences ; no. 34) ISSN 0711-6748  
MICROLOG 90-05160 1 fiche

The river runoff discharging through Hudson Strait from 1963-83 was calculated using 3 drift speed scenarios, with the important freshwater contribution from ice-melt to the freshwater budget remaining to be treated. This report assembles monthly and annual time series of ice volumes and ice-melt discharges for Hudson Bay, James Bay, Fox Basin, Hudson Strait and Ungava Bay from 1963-83. Sub-area ice-melt discharges are combined to estimate ice-melt discharge through Hudson Strait. Three ocean drift speed scenarios are again used to simulate the transport of the melt water from each area toward the entrance to Hudson Strait. It is assumed that the melt water leaves Hudson Strait in a low-salinity surface layer. The question of the salt balance is not addressed.

• CA CF NO NR PS SC

### Hulless barley production

by K. Panchuk and B. Rossnagel. Regina : Saskatchewan Agriculture and Food ; Saskatchewan Rural Development, 1990. 2 p. (Farm facts) ISSN 0840-9447  
MICROLOG 90-03560 1 fiche

Short description of methods of production of hulless barley, including field selection, selection of variety and seed, seeding rate/depth/date, fertilizer use, harvesting, and use.  
AG MS PR SC

### A Human factors evaluation of the transcribed weather broadcast system

prepared for the Transportation Development Centre ; by Ergo Systems Canada Inc. Mississauga, Ont. : Ergo Systems Canada Inc., 1989. xi, 37 p.  
MICROLOG 90-01744 1 fiche

Human factors evaluation of the Vancouver-based prototype automated pilot weather information system (PWIS) developed by Oracle Communications Inc. Thirty-one pilots were interviewed in person or by telephone using a standard questionnaire. In addition to interviews, approximately 20 conversations between flight personnel and pilots were taped to determine what type of questions pilots ask the operators. Six Vancouver flight service operators were interviewed on an individual basis to solicit their reaction to the prototype PWIS.

BC CA PS SC TR

### Human gene therapy

by T. Curren. Ottawa : Library of Parliament, Research Branch, 1988. ii, 43 p. Bibliogr. (Backgrounder ; BP-188E) French ed. (*La Thérapie génétique...*) on the same fiche. ISBN 0-660-13293-1  
MICROLOG 90-01912 2 fiche

Discussion of human gene therapy, defined as the deliberate administration of genetic material into a human patient with the intent of correcting a specific defect. Genetic defects discussed in this paper are those recognized as diseased conditions. Gene therapy techniques are divided into somatic cell gene therapy and germ line gene therapy. The paper discusses genetics and inheritance, genetic diseases, DNA and genes, and diagnosis of genetic disease through prenatal and carrier screening, concluding with a discussion of the social and ethical issues.  
CA CI LS SC

### Human performance factors in aviation

by D.A. Klassen. Ottawa : Transport Canada,

Policy and Coordination, Transportation Development Centre, 1989. ix, 23 p. Bibliogr.  
MICROLOG 90-04086 1 fiche

Human performance factors account for over 80% of the system failures, therefore to improve system safety it is necessary to minimize the opportunities for error, reduce the consequences of error and adapt the system to manage the risk. Following a review of current accident statistics in Canada, the report discusses the myth of 'pilot error' and describes 2 error taxonomies; presents the rationale for a 'human-centred' approach to cockpit and air traffic control automation; describes the importance of the socioeconomic environment with respect to economic regulatory reform and cabin safety; and presents the need for training in decision making and crew resource management to improve judgement and interpersonal relations. Specific recommendations are made to develop human factors and decision making training programs and to improve cabin safety and passenger awareness. Long term initiatives are suggested in information transfer problems, data collection methods, pilot and controller selection and training criteria, unique Canadian operations and shift work schedules.  
CA PS SC TR

### Human resource and training needs in Ontario's hospitality industry

conducted by Laventhol & Horwath Management Consultants for the Steering Committee. Toronto : Ministry of Skills Development ; Ministry of Tourism and Recreation ; Ministry of Colleges and Universities, 1990. 136 p. : ill. French ed. (*L'Industrie de l'accueil...*) : 90-07078/2. Executive summary (7, A3 p.) laid in. CSI 55131.206. ISBN 0-7729-6313-4  
MICROLOG 90-07077 2 fiche

Identifies the current state of the hospitality sector in terms of its ability to hire an adequate number of qualified employees. It also assesses how this situation is expected to change over the next three to five years, and identifies the gaps and opportunities to alleviate any skill shortages through training programs or other means.  
CU LA ON PR ST

### Human resource development : results of a 1988 international survey by the International Development Research Centre (IDRC) and the Canadian International Development Agency (CIDA)

Ottawa : International Development Research Centre, 1989. v, 170 p. : ill. (Manuscript report ; 236e) French ed. (*Développement des ressources...*) : 90-01148/3.  
MICROLOG 90-00194 2 fiche (Available on fiche only)

Presents the results of the 1988 International Development Research Centre/Canadian International Development Agency, human resource development Survey, including the findings, conclusions and recommendations. It also describes the survey methods and sample characteristics; discusses the objectives of human resource development, and presents the mandates of development organizations and various definitions of human resource development. In addition, it presents the major findings of the survey for key study issues. The issues include training program activity; the selection of candidates for training; support services for trainees; monitoring and evaluation; and insights and experiences. It concludes with a summary of the findings.  
CA EX LA

### Human resource profile of the logging and forestry services sector

prepared by Employment and Immigration Canada, Strategic Policy and Planning, Labour

Market Outlook and Structural Analysis ; in collaboration with the Canadian Forestry Service, Labour Market Development Branch. Ottawa : The Directorate, 1986. 46 p. : ill.  
MICROLOG 90-03148 1 fiche

Presents a sector definition and profile and provides background information on the environment. It also covers the geographical dimension, and includes an occupational profile. Finally it reviews occupational labour market conditions and major issues.  
CA FO LA

### Human resource profile of the paper and allied products sector

prepared by Employment and Immigration Canada, Strategic Policy and Planning, Labour Market Outlook and Structural Analysis ; in collaboration with the Canadian Forestry Service, Labour Market Development Branch. Ottawa : The Directorate, 1987. v, 48 p. : ill. Bibliogr. French ed. (*Profil des ressources humaines...papier...*) on the same fiche.  
MICROLOG 90-00773 2 fiche

Provides a profile of the sector and presents projections of possible future courses the sector may take. It then lies projected future occupation requirements of the industry to its anticipated performance.  
CA FO LA SC

### Human resource profile of the pulp and paper sector

prepared by Employment and Immigration Canada, Strategic Policy and Planning, Labour Market Outlook and Structural Analysis ; in collaboration with the Canadian Forestry Service, Labour Market Development Branch. Ottawa : Employment and Immigration Canada, Strategic Policy and Planning, Labour Market Outlook and Structural Analysis, 1987. vi, 48 p. French ed. (*Profil des ressources humaines...papiers...*) : 90-00694/1.  
MICROLOG 90-00693 1 fiche

Canada is the world's largest producer and exporter of newsprint, and the world's top exporter of wood pulp. This makes the pulp and paper sector a large economic presence in Canada. Technological changes are having a great impact on employment levels in, and the employment profile of, the sector. This report presents the comments of the pulp and paper sector on future occupational projections and profiles major issues. The report contains a national and regional profile of the sector, an analysis of the major issues, a general outlook to 1992, and employment and occupational information. Details on the study, its assumptions, and its conclusions, are also given.  
CA FO LA SC ST

### Human resource profile of the solid wood products sector

prepared by Employment and Immigration Canada, Strategic Policy and Planning, Labour Market Outlook and Structural Analysis ; in collaboration with the Canadian Forestry Service, Labour Market Development Branch. Ottawa : Employment and Immigration Canada, Strategic Policy and Planning, Labour Market Outlook and Structural Analysis, 1987. vi, 51 p. French ed. (*Profil des ressources humaines...bois massif*) : 90-00692/1.  
MICROLOG 90-00772 1 fiche

The purpose of this study is to examine how rapid changes in the Canadian economy will affect human resource requirements in the solid wood products sector so that government, industry, labour unions and those involved in education and training can develop effective human resource policies. The profile contains an analysis of major issues facing the sector, followed by a general outlook for the sector, and a section on employment and occupational information.  
CA FO LA SC



## Human rights, a responsibility we all share

see British Columbia Council of Human Rights :  
Annual report 1987-88

## Human Rights, Development and Foreign Policy : Canadian perspectives

edited by Irving Brecher ; co-sponsored by McGill University for Developing-Area Studies and the Canadian Human Rights Foundation. Halifax : Institute for Research on Public Policy, 1989. xxiii, 579 p. Bibliogr. *Papers presented at the symposium on Human Rights, Development and Foreign Policy : Canadian perspectives. Reports are in the language of presentation, English or French.* ISBN 0-88645-101-9  
MICROLOG 90-04283 7 fiche

This publication contains papers given at a symposium held in Montreal on March 28-30, 1988. The papers examine and assess the impact of human rights on the development and implementation of foreign policy, and consider new directions for Canada in the international protection of human rights.  
• CA EX SA

## Humber River bacteriological study : a report

Gore & Storrie Limited. Toronto : Toronto Area Watershed Management Strategy Steering Committee, 1985. ix, 112 p. : ill., maps. Bibliogr. (Technical report ; no. 6)  
MICROLOG 90-05245 2 fiche

A bacteriological study was carried out in Humber River Basin as part of the Toronto Area Watershed Management Study to establish the bacteriological quality of the Humber River relative to applicable provincial water quality objectives and to identify the origins of fecal contamination in the Humber River. The study area included the main Humber River from Steeles Avenue to Lakeshore Boulevard and Black Creek from Lawrence Avenue to its confluence with the Humber River. There were 4 stations on Humber River and 2 stations on Black Creek. Ten dry weather surveys were carried out from September 12-October 25, 1983, including one Sunday sampling. Two wet weather events were monitored from October 3-4 and November 15-17, 1983. The bacteriological parameters monitored include fecal coliforms, fecal streptococci, Enterococci, E. coli and P. aeruginosa.  
EV MU ON SC

## Humber River bacteriological study : identification of faecal coliforms and faecal streptococci and verification of newer tests to determine human and non-human faeces

prepared for Ontario Ministry of the Environment ; by P. Seyfried and E. Harris, M. Young. Toronto : University of Toronto, Dept. of Microbiology, 1987. vii, 62 p. : maps. Bibliogr.  
MICROLOG 90-01240 1 fiche

A bacteriological study of the Humber River Basin within the Metropolitan Toronto boundaries was conducted during the fall of 1983 to assess the bacteriological water quality of the Humber River and Black Creek and to identify the origin of fecal contamination in both watercourses (human or non-human). Two newly developed media for the isolation and enumeration of E. coli (m-TEC-IG with indoxyl-B-D-glucoside) and enterococci (m-ME with indoxyl-B-D-glucoside) were tested under field conditions during the study. The specificity of the new media were assessed using data pertaining to the isolation and identification of 3,683 bacterial isolates taken from samples analyzed during the study. Information on the bacterial populations in the Humber River and Black Creek was studied to determine the

original sources of faecal contamination.  
EV NR ON PR SC

## A Hybrid III headform with a frangible facial insert

for the Road and Motor Vehicle Safety Branch of Transport Canada ; prepared by Tom J. Szabo, Brian M. Gallup and James A. Newman. Ottawa : Biokinetics and Associates Ltd., 1989. 83 p. : ill. Bibliogr.  
MICROLOG 90-04091 1 fiche

A headform was developed capable of monitoring for fractures of the principal facial bones on the regions of the nose (the zygoma and the maxilla), based on a GM Hybrid III headform with a methylmethacrylate insert representing the bones. Over the past 3 years, attempts to improve the overall suitability of the device have proven largely unsuccessful, due mainly to problems in the insert manufacturing process as well as deficiencies in the certification procedures. This study continued experimentation with the insert to both quantify, and where possible, rectify those noted deficiencies by testing each sub-component of the design as independently as possible, as well as by experimenting and testing the manufacturing and certification process. To evaluate further the device's applicability in automotive testing, destructive testing was carried out.  
CA PS SC TR

## Hydraulic engineering in the fishing industry

by A.V. Terent'ev, B.N. Miller and N.F. Chernigin. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. vi, 547 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5365) *Originally published in Russian, by the State Scientific and Technical Publishing House for the Food Industry, at Moscow, U.S.S.R.* ISSN 0704-3716  
MICROLOG 90-01468 6 fiche

Description of the use of fish pumps and other mechanized machinery in the fishing industry in the Soviet Union, including its development, some special features and systems, and such specific types of pumps as water jet and centrifugal fish pumps, multistage and hydro-pneumatic fish pumping units, fish conduits, auxiliary devices for fish pumping units, and mechanical aids in catching and processing.  
• CA CF FI PS SC

## Hydro-Quebec : Annual report 1989

Quebec : Hydro-Quebec, 1989. 88 p. : ill. CSI 67145.001. ISSN 0702-6749 ISBN 2-550-20359-3  
MICROLOG 90-03608 1 fiche

This annual report reviews the highlights of the year, and a five year review. It also includes financial statements, and operating data.  
EN PR QU ST

## Hydroacoustic herring survey results from Hecate Strait, December 7-18, 1988 : J.P. Tully cruise JPT88A

by B. McCarter, R. Kieser and D.E. Hay. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 69 p. : maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2040) ISSN 0706-6473  
MICROLOG 90-02299 1 fiche

Continuation of the investigation into the feasibility of using hydroacoustic biomass estimates of Pacific herring for stock assessment. The survey also identified and confirmed sites where herring concentrate to overwinter prior to moving into shallower water for spawning. The identity of major hydroacoustic targets were determined by echogram interpretation, based on previous

winter acoustic and fishing surveys in 1984, 1985, and 1987. These herring estimates are compared with other independent stock estimates which are based on spawn surveys and analyses of catch and age structure. Information from this survey also contributes to the Hecate Strait Project in which the overall objective is to map fish assemblages and develop an ecological basis for mixed-species assessment and management techniques.  
• BC CA CF FI SC

## Hydrocarbon and by-product reserves, 1988

Victoria : Ministry of Energy, Mines and Petroleum Resources, Energy Resources Division, 1988. 326 p. CSI 38163.003. ISSN 0703-6655  
MICROLOG 90-00574 4 fiche

Data on oil, gas and by-product reserves in B.C. as of December 31, 1988. A summary of year-end remaining established reserves is given, along with a discussion of the estimates of reserves of oil, raw gas, marketable gas, gas by-products, and detailed reserve and pool parameter listings.  
BC EN PR SC ST

## Hydrochemical aspects of lakes and channels in the Mackenzie Delta, N.W.T.

by S.C. Bigras. Saskatoon, Sask. : Environment Canada, Hydrology Division, National Hydrology Research Institute, 1988. vi, 40 p. : ill. (NHRI contribution ; no. 88019) ISSN 0838-1992  
MICROLOG 90-05378 1 fiche

In recent years, the Mackenzie River basin has been undergoing extensive natural resource development through a series of mega-projects, including hydroelectric installations, pipeline construction, and facilities for exploration and extraction of hydrocarbons. This study was conducted as part of the Mackenzie Delta lake regimes study, to identify the potential environmental impacts river flow regulation could have on the hydrologic regime of lakes in the Delta. The analysis of over 200 snow, ice core and water samples collected prior to break-up, and at peak and low stage periods during 1982 and 1983 field seasons from 30 lake and channel sites throughout the Mackenzie Delta were used to ascertain if and how the hydrological processes controlling lake and channel water levels affect the water quality characteristics of Delta lakes and channels. Water quality parameters analyzed water temperature, conductivity, pH, turbidity and ionic concentrations of calcium and magnesium.  
CA NO NR PS SC

## Hydrochemical characteristics of the surface water of the Arctic Basin

by V.P. Rusanov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 26 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5142) *Originally published in Russian, by Nauka at Moscow, USSR.* ISSN 0704-3716  
MICROLOG 90-00118 1 fiche

The main factors controlling the chemical composition of the water masses of the Arctic Ocean are water exchange with the Atlantic and Pacific oceans, river runoff and freezing and melting processes. This paper describes the hydrochemical characteristics of the surface water of the Arctic Basin.  
• CA CF NR PS SC

## Hydrogen peroxide contents in some marine foods

by S. Umamoto. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 16 p. Bibliogr. (Canadian translation of fisheries and aquatic



sciences ; no. 5483) Originally published in Japanese, by the Tokai Regional Fisheries Research Laboratory in Japan. ISSN 0704-3716

MICROLOG 90-01679 1 fiche

In recent years, together with the carcinogenicity of hydrogen peroxide having been made an issue in Japan, regulations have been changed to indicate that prior to finishing an end food product, hydrogen peroxide must be decomposed or eliminated. To cope with this regulation tightening, the establishment of a method of analysis of trace hydrogen peroxide in foods was sought. This paper describes the modification of a method using an oxygen electrode which attained a higher recovery of added hydrogen peroxide by use of acidic extractant (pH 2.7) in place of neutral extractant adopted in the original method.

● CA CF EV FI SC

### Hydrogeochemical investigation of reactive tailings at Waite Amulet tailings site, Noranda Quebec, phase 3 : 1987 program

by R. Siwik...et al. Pointe Claire, Que. : Centre de Recherche Noranda, 1988. 3 v. Bibliogr. Contents: Vol. 1 : Report / R. Siwik...et al. -- vol. 2 : Appendices / R. Siwik...et al. -- vol. 3 : Pore water geochemistry and mineralogy of vadose zone of sulphide tailings, Waite Amulet, Quebec / D. Blowes and J. Jambor. CANMET contract: 79161-01-SQ. MICROLOG 90-01203 3 fiche

The Waite Amulet project is a multi-year study to develop a better understanding of the hydrogeochemical processes and changes which occur in an acid-generating tailings area as the basis for identifying and developing improved tailings management methods. This report presents the results of the 1987 field work in Phase III in which water monitoring facilities were installed, checked out and a limited amount of data collected; an evaluation of mineralogy changes and the related assessment of unsaturated zone water chemistry are in progress; oxygen profiles were established in sections of the tailings that were vegetated, bare and clay covered; and hydraulic conductivities were established, the water table was monitored and extensive pore water analysis were obtained.

● CA CM EV NR QU SC

### A Hydrogeological investigation of the closed Norwich waste disposal area in Norwich, Ontario

by R. Blackport and B. Boyle. Toronto : Environment Ontario, Waste Management Branch, 1990. 87 p. : ill. Bibliogr. ISBN 0-7729-4770-8

MICROLOG 90-05172 1 fiche

A hydrogeological investigation of the closed Norwich waste disposal site in Norwich, Ontario was undertaken to provide information on the presence of, or potential for, impact by the landfill on human health and safety or the environment. The investigation was composed of a literature review on the history, geology and hydrogeology of the site; a field program during which 10 monitoring wells were installed, water levels were measured, overburden hydraulic conductivity was tested, and water samples were collected and analysed; and the compilation and analysis of all available relevant data.

EV NR ON PR PS SC

### Hydrogeology and groundwater resources management, Bell Island, Conception Bay, Newfoundland

prepared for Newfoundland and Labrador Dept. of Environment ; Nolan, Davis & Associates Limited. St. John's : Dept. of Environment and Lands, Water Resources Division, 1989. 151 p. : ill., maps. Bibliogr. (Groundwater series report ; 3-1) Fold. maps not filmed. MICROLOG 90-04970 2 fiche

Report on a project to protect and manage the groundwater resources of Bell Island. Objectives included defining the physical/chemical characteristics of the ground/surface water flow field on the island; identifying the safe yields capable of being withdrawn at various points within the field; evaluating existing water supply systems for water quantity/quality and assessing needs for the next 25 years; integrating supply and demand data and identifying where supply can meet expected demand and where supply/demand imbalances are presently occurring or may occur; identifying present and future resource conflicts and recommending measures to resolve the problem; identifying areas with existing or emerging problems of deteriorating water quality due to natural and man-made land-use activity; and defining site specific recommendations relating to the planning and management of water resources in the study area.

AP EV PR PS SC

### Hydrogeology of the Swan Hills area, Alberta : evaluation for deep waste injection

by B. Hitchon...et al. Edmonton : Alberta Research Council, Geological Survey Dept., 1989. v. 79 p. : ill. (Bulletin ; no. 58) MICROLOG 90-01796 1 fiche

A detailed hydrogeological study was carried out in a region of 15,760 sq km centered on the special waste injection site of the Alberta Special Waste Management Corp. to select aquifers for environmentally safe disposal of waste water from treatment processes. The report includes identification of the major hydrogeological and economic constraints, analysis of the natural flow system for all hydrostratigraphic units between the Lower Cretaceous Viking aquifer and the Precambrian basement, numerical simulation of the flow in the entire Phanerozoic succession to obtain conformance with the natural flow system, and steady-state perturbation of the system at an injection rate of 225 cu m/d in 2 potential injection aquifers to evaluate the importance of the hydraulic head buildups at a theoretically infinite time of injection. The study was based on information from 3,276 wells, 635 drillstem tests, 3,477 core analyses, and 645 formation water analyses from the files of the Energy Resources Conservation Board, using specialized software and the 3-dimensional finite element groundwater model FE3DGW.

AL EV NR PR SC

### Hydrographic measurements from C.S.S. Hudson Cruise 82-002

by R.M. Hendry. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 112 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 118) ISSN 0711-6774

MICROLOG 90-05159 2 fiche

Between April 11 and May 2, 1982, the CSS HUDSON occupied a line of hydrographic stations in the North Atlantic Ocean near 48N, running from the mouth of the English Channel to the Grand Banks of Newfoundland. This work was done to obtain a high quality set of measurements of temperature, salinity and associated chemical parameters as part of an international effort to provide a modern large-scale description of the North Atlantic Ocean, to quantify the ocean's role in the global climate system and to investigate possible long-term changes in ocean properties as a measure of interannual climate variability. This report discusses procedures followed in the collection and processing of the resulting conductivity-temperature-pressure (CTP) measurements and discrete measurements of salinity, dissolved oxygen and nutrients. Estimates of the accuracies of measurement for the various parameters are also discussed. Section figures of temperature, salinity, potential

density, dissolved oxygen and nutrients are included. Subsampled CTP data and derived parameters at standard levels and the entire discrete bottle data set and similar derived parameters are tabulated.

● AP CA CF NR PS SC

### Hydrologic and geomorphic considerations for silvicultural investments on the lower Skeena River floodplain

by P.G. Beaudry, D.L. Hogan and J.W. Schwab. S.L. : Forest Resource Development Agreement, 1990. vi, 41 p. : ill., maps, fold. maps. (FRDA report ; 122) ISSN 0835-0752 ISBN 0-7726-1144-0

MICROLOG 90-07021 1 fiche

This report evaluates biophysical information, erosion potential, flooding characteristics and the environmental fate of herbicides, all of which are essential for silvicultural planning on the lower Skeena River floodplain. Detailed biophysical data of direct relevance to forest management in the area are presented, including the annual groundwater regime and its driving forces, the stratigraphy of the alluvial deposits, the physical characteristics of the soil, and the climatic regime of both the air and the soil. The evaluation of floodplain stability and island longevity is based on a chronological sequence of maps spanning 40 years.

● BC CA NR SC

### A Hydrological perspective

by V. Klemes. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 26 p. : ill. Bibliogr. (NHRI contribution ; no. 88029) In *Journal of Hydrology*: vol. 100, no. 1-3, 1988. ISSN 0838-1992

MICROLOG 90-06480 1 fiche

In practice, hydrology is regarded mostly as a technological discipline rather than a science, an attitude which is responsible for much bad science in hydrology. This paper argues that the present offers a unique opportunity to fill the vacant niche of the science of hydrology and gives some suggestions for action.

CA NR PS SC

### Hydrometeorological data for the Experimental Lakes Area, northwestern Ontario, 1982 to 1987

by K.G. Beaty and M.E. Lyng. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1989. v, 280 p. : ill. (Canadian data report of fisheries and aquatic sciences ; no. 759) This is the 39th Data Report from the Central and Arctic Region, Winnipeg ISSN 0706-6465

MICROLOG 90-00974 3 fiche

In 1969, hydrologic studies began at the Experimental Lakes area in support of biological and limnological studies. This report is the third of a series and presents hydrometeorological data collected from 1982-87. Historical summaries from 1969-87 for some components are also included. The data presented include precipitation, snow surveys, air temperature, wind, evaporation, relative humidity, bright sunshine, lake surface temperature, streamflows and lake levels.

CA CF NR ON PS SC

### Hygiène vétérinaire, 1988

Ottawa : Agriculture Canada, Direction générale de la production et de l'inspection des aliments, Direction de l'hygiène vétérinaire, 1989. 60, 54 p. : ill. Bilingue (Health of animals...1988). CSI 22367.001. ISBN 0-662-56667-X

MICROLOG 90-01636 2 fiche

Ce document porte sur le domaine de l'hygiène vétérinaire. Il examine particulièrement les points suivants: l'historique du programme national de la santé des animaux, la surveillance des maladies animales et



épidémiologiques; le programme de certification sanitaire des troupeaux sur une base volontaire; les maladies animales; le programme d'alimentation aux déchets alimentaires sous permis, les laboratoires d'hygiène vétérinaire; et fournit une liste des projets de recherche.  
● AG CA SC ST

### Hypereutectic aluminum-silicon alloys produced by powder metallurgy techniques

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1965. i, 20 p. : ill. Bibliogr. (Report ; PM-M 65-14)  
MICROLOG 90-04672 1 fiche

Three hypereutectic aluminum-silicon alloys containing 25%, 35% and 45% Si were prepared using powder metallurgy techniques. Pre-alloyed powders, produced by atomization of the molten alloys, were fabricated by hot pressing and extruding to give material with density close to theoretical. The main object of the investigation was to determine if atomization of the alloys would result in refinement of the primary silicon.  
● CA CM NR PS SC

### I.D. of Bighorn Rural Industrial Park : feasibility and location study

Calgary Regional Planning Commission. Rural Planning Services. Calgary, Alta. : Advisory Council of the Improvement District of Bighorn No. 8, 1987. 74 p. : ill., maps. Bibliogr.  
MICROLOG 90-03760 1 fiche

The purpose of this study is to select a site to provide a rural industrial park in the Bow Corridor for businesses operating in and around the Corridor in co-operation and consultation with local industry.  
AL MU PL

### Ice crushing by impact and indentation : a literature review

Ian Jordaan and Associates Inc. Ottawa : National Research Council, 1988. 126 p. : ill.  
MICROLOG 90-05210 2 fiche

The design of Arctic structures and vessels requires estimates of global and local ice forces involving an analysis of the extreme forces likely to be encountered. To achieve this, an understanding of how ice fails represents an important step. This report represents an initial stage of a program of research to investigate the mechanisms involved in the ice crushing part of the interaction of ice with structures or ships. The report covers ice mechanics; impact, indentation and penetration; ice indentation and impact; damage processes in ice; and the flow of crushed material.  
CA PS SC

### Ice data management systems

by B.F. Terry. Ottawa : Environmental Studies Research Funds, 1989. vi, 208 p. : ill., maps. (Environmental Studies Research Funds report ; no. 104) ISBN 0-921652-08-9  
MICROLOG 90-01183 3 fiche

Oil and gas companies engaged in exploration and production drilling off the coast of Newfoundland and Labrador must cope with the seasonal presence of pack ice and icebergs. This is done through ice data management. In late 1983, the 3 oil companies planning drilling programs in winter 1984 responded to a set of regulatory guidelines/directives regarding winter drilling on the Grand Banks by establishing a cooperative arrangement known as the Grand Banks Operators' Joint Ice Management Plan. In 1984 and 1985, the plan called for the establishment and operation of a central land-based ice data management system. This study analysed the 1985 system and future ice data management requirements.  
CA EV NO PS SC

### Ice jam characteristics, Liard-Mackenzie rivers confluence : reply

by T.D. Prouse. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute ; Ottawa : National Research Council, 1988. 2 p. Bibliogr. (NHRI contribution ; no. 88035) In Canadian Journal of Civil Engineering: vol. 15, no. 2, 1988. ISSN 0838-1992  
MICROLOG 90-05380 1 fiche

Response to a discussion by Flato and Gerard regarding the sensitivity of the declining-discharge technique to the type of flow equation used in analyzing the Liard-Mackenzie River confluence ice jam and to potential errors in the field data.  
CA NO NR PS SC

### Ice thickness data, winter 1985-86

Ottawa : Environment Canada, Atmospheric Environment Service, Climatology and Applications, Ice Centre, 1986. vii, 80 p. : ill. Bilingual (Données sur l'épaisseur...). CSI 21214.004. ISSN 0835-4332 ISBN 0-662-56972-5  
MICROLOG 90-03164 1 fiche

Ice thickness data from freeze-up 1985 to break-up 1986, from 123 sites across Canada, including the Arctic areas. Data is based on weekly ice thickness measurements which begin as soon as the ice is thick enough to bear a person's weight and end in the spring when the ice becomes unsafe. In addition to ice thickness, the average depth of snow on the ice is included. Where freeze-up and break-up data is available, 2 dates are given marking the beginning and end of each process. Additional measurements are incorporated, giving the ice thicknesses taken along the St. Lawrence Seaway from the Lake Ontario entrance to Montreal. Data is given by station, listed alphabetically, and includes water type (salt, fresh) and location of measurement site.  
CA EV SC ST

### Ice thickness data, winter 1986-87

Ottawa : Environment Canada, Atmospheric Environment Service, Climatology and Applications, Ice Centre, 1990. viii, 59 p. : ill., maps. Bibliogr. Bilingual (Données sur l'épaisseur...). CSI 21214.004. ISSN 0835-4332 ISBN 0-662-56973-3  
MICROLOG 90-06294 1 fiche

Annual report for freeze-up 1986 to break-up 1987 on the thickness of the ice as measured once a week at 108 sites across Canada. Average depth of snow on the ice is also included. Data on first permanent new ice, total ice cover, first breaks or deterioration, and water clear of ice are given, as well as location of the site, and equipment and method of observation.  
CA NO NR PS SC ST

### Ice-based oceanographic sea-ice and meteorological data obtained over the N.E. Newfoundland Shelf, 1988-89

by D.B. Fissel, A. Van der Baaren and C.L. Tang. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. viii, 165 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 75) ISSN 0711-6721  
MICROLOG 90-02022 2 fiche

As one part of the LIMEX (Labrador Ice Margin Experiment) investigations, a 2-year (1988-1989) oceanographic study was conducted to develop improved techniques for oceanic and sea-ice data collection using shore-based aircraft. This report presents the data collected in March-April of 1988 and 1989, using shore-based helicopter logistics, along with a description of the techniques applied to acquire these data.  
● AP CA CF EV FI SC

### Icebreaker design synthesis analysis of contemporary icebreaker performance

by A.J. Keinonen, R.P. Browne, C. Revill ; for Transportation Development Centre, Policy and Coordination Group, Transport Canada. Calgary, Alta. : AKAC Inc., 1989. xvii, 160 p. : ill. Bibliogr.  
MICROLOG 90-05803 2 fiche

Seven major icebreakers were developed in support of oil and gas exploration and development in the Canadian Beaufort Sea during the late 1970s and early 1980s which depart in design considerably from any other icebreakers. Another ship incorporating innovative technology is the German ship, *Max Waldeck*. This report presents the results of an extensive evaluation of the Beaufort Sea icebreaker technology, enhanced with the *Max Waldeck* data. The captains of 5 of the Beaufort Sea icebreakers were interviewed to determine how the ships performed in their design mission roles. The full-scale data for the ships were analysed, and comparisons were made among their performances, with the results then used to determine the dependencies of performance on variations in design parameters. Performance estimation models were developed utilizing the results from the full-scale data analysis. The models included level ice, ridges, turning in ice, transit and open water.  
CA NO PS SC TR

### Icebreaker midbody resistance, phase II : beam variation

for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by D. Baker [and] C. Mulder. Ottawa : Melville Shipping Ltd., 1990. xii, 176 p. : ill. Bibliogr.  
MICROLOG 90-07199 3 fiche

A series of 1:30 scale model tests were conducted on the ice capable cargo ship *MV Arctic*. Previous tests included an analysis of friction coefficient and midbody length. The tests described in this report relate to the analysis of the influence of beam on model resistance. Model beams tested include the original and beams 20 percent wider and narrower. In addition to the beam variation series, a number of the models were also run with different midbody lengths to integrate this program with previous work.  
CA NO PS SC TR

### Icelandic Fisheries Laboratories : list of publications

by P. Olafsson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 73 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5388) Originally published in Icelandic, by Rannsóknastofnun fiskidnadarins. ISSN 0704-3716  
MICROLOG 90-01514 1 fiche

Listing of publications by year of the Icelandic Fisheries Laboratory, giving author, title, and number of pages. A subject index is included.  
● CA CF FI LS SC

### The Icelandic scallop off western Greenland

by S.A. Pedersen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 67 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5379) Originally published in Danish, by the Greenland Institute of Fisheries and Environment Research at Copenhagen, Denmark. ISSN 0704-3716  
MICROLOG 90-01638 1 fiche

Commercial Icelandic scallop fishing was started at Nuuk in the latter half of 1983, followed by a growing interest in increasing the scallop fishery effort in the area. As a result of reports issued in 1986 and 1987, there



appears to be a risk of overfishing. This led to a project in March 1987 to establish the degree to which the Icelandic scallop population has been affected by the fishery up to the present, and the reason, if any, to change the catch quota currently recommended. This report uses the March 1987 study and the new catch information based on the commercial fishery to answer these questions. The report also includes a summary of the biology of the Icelandic scallop.  
• CA CF FI SC

### The Icelandic scallop off western Greenland : trial fishery for the Icelandic scallop at the western Greenlandic banks, 1986

by S.A. Pedersen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 33 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5382) *Originally published in Danish, by the Greenland Institute of Fisheries and Environment Research at Copenhagen.* ISSN 0704-3716 MICROLOG 90-01554 1 fiche

Toward the end of 1983, a commercial Icelandic scallop fishery was started in western Greenland. Interest has increased strongly in recent years, resulting in an increase in the number of permits and a market permitting the selling of live scallop to the onshore fishery plants. Trial fishing for the Icelandic scallop was carried out in western Greenland in 1986, the results of which are given in this paper.  
• CA CF FI SC

### Ichthyological remarks

by A.W. Malm. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 15 p. (Canadian translation of fisheries and aquatic sciences ; no. 5121) *Originally published in Swedish.* ISSN 0704-3716 MICROLOG 90-00051 1 fiche

Description of *Mullus dubius*, tentatively identified as a new and distinct species, and first seen by the author in August 1852 at Christineberg. The paper also describes the relationship between the fry of *Caranx trachurus* and jellyfish (*Cyanea capillata*).  
• CA CF FI LS SC

### Identification of microsporidia (Protozoa, Microspora)

by R. Larsson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 49 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5143) *Originally published in Swedish.* ISSN 0704-3716 MICROLOG 90-00119 1 fiche

Identification key to the 63 valid genera of microsporidia (Protozoa, Microspora) based on light microscopical characters which are briefly described. Some simple methods for collection and preparation are also included.  
• CA CF FI LS SC

### Identification of the necessary organizational and planning process requirements of the Fundy Trail Agency : final report

Malone Given Parsons Ltd. Fredericton : Study Steering Committee, 1989. 42 p. : ill. *Flow charts not filmed.* MICROLOG 90-01597 1 fiche

The concept of a Fundy Trail has been discussed for over 20 years and involves the establishment of a coastal route beginning in St. Stephen and continuing along the coast to Saint John and on to St. Martin's, Riverview/Moncton and the Nova Scotia border at Aulac. It is believed that this trail has the potential to become a major tourist destination in southern New Brunswick similar to the Cabot Trail in

Nova Scotia. This report describes the organizational structure required to oversee the planning and development of the trail and, in particular, the missing link section from St. Martin's to Fundy National Park. The report also proposes a planning process for the entire Fundy Trail as well as the missing link.  
AP CU PR

### Identifying probable school leavers in Ontario high schools

by P. Quirouette, O. Saint-Denis and N. Huot. Toronto : Ministry of Education, 1990. 111 p. : ill. (Student retention and transition series) ISSN 0839-5039 ISBN 0-7729-6615-X MICROLOG 90-06458 2 fiche

The problem of school dropouts is serious. Knowing that one out of four Grade 9 students will not graduate from high school in Ontario is a legitimate concern for educators, at all levels. This research project identifies probable dropouts in English-language high schools by Ministry region.  
ED ON PR

### L'île de Caraqueet, Nouveau-Brunswick, géologie et géomorphologie

par J.J. Thibault. Fredericton : Ministère des ressources naturelles et de l'énergie, Division des minéraux et de l'énergie, 1989. i, 7 p. : ill. Bibliogr. (Série des notes géologiques ; PM 89-97) ISSN 0838-4320 MICROLOG 90-01720 1 fiche

Ce rapport, préparé à l'intention de la Commission d'aménagement de la Péninsule acadienne, fait suite à une courte visite de l'île de Caraqueet le 8 juin 1989. Le rapport, ainsi que la carte qui l'accompagne, résument l'état présent des connaissances géologiques et apporte des éléments de solution aux problèmes abordés par le Comité aviseur sur l'île de Caraqueet quand à la protection de l'environnement de l'île et à la préparation d'un plan d'aménagement.  
AP PR PS SC

### Ile-du-Prince-Edouard. Centre des arts de la Confédération : Rapport annuel 1988-89

Charlottetown : le Centre, 1989. 31, 30 p. Bilingue. CSI 62144.001. MICROLOG 90-04163 1 fiche

Ce document présente le rapport annuel de l'exercice financier du Centre des arts de la Confédération pour l'année se terminant le 31 mars 1989. On y trouve un aperçu des activités organisées par tous les services du Centre, ainsi que les états financiers vérifiés pour l'exercice visé.  
AP CU PR

### Ile-du-Prince-Edouard. Division de la condition féminine : Rapport annuel 1989

Charlottetown : la Division, 1989. 13, 13 p. Bilingue. CSI 61109.002. MICROLOG 90-04169 1 fiche

Rapport annuel de la Division de la main-d'oeuvre féminine du ministère du Travail pour la période se terminant le 31 décembre 1989. Le rapport contient de l'information sur les activités et les programmes entrepris par la Division au cours de la dernière année.  
AP PR SA

### An illegal character detector for use with a PDP computer

by C.A. Josling. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 5 p. (Report ; MS 65-78) MICROLOG 90-04635 1 fiche

In programs written in program assembly language (PAL) errors occur which are known as illegal characters (I.C.). These are printed

out after the first pass with the assembler tape along with their approximate location. Because certain I.C.s do not print out on a listing, they are difficult to locate. A program was written which can be put into the computer to pick out the I.C.s as the tape is scanned. This paper describes that program.  
• CA CM PS SC

### Illiteracy in Canada

by H. McKenzie. Ottawa : Library of Parliament, Research Branch, 1988. 31 p. Bibliogr. (Background ; BP-189E) *French ed. (L'Analphabétisme au Canada) on the same fiche.* ISBN 0-660-13294-X MICROLOG 90-01913 1 fiche

This paper defines the problem; the extent of illiteracy in Canada, including illiteracy and geographic location, age, gender, language, immigrants, Native people, and the incarcerated; the effects of illiteracy on the economy and society; and remedial measures.  
CA CI ED SA

### An illustrated key to common grass genera of the *Festucoideae* (Fescue subfamily) of British Columbia

by J.W. Van Barneveld...et al. Victoria : Ministry of the Environment, Terrestrial Studies Branch ; British Columbia Provincial Museum, 1980. 56 p. : ill. Bibliogr. ISBN 0-7718-8906-2 MICROLOG 90-02648 1 fiche

Illustrated key to the common grass genera of the Festucoideae of BC. The key initially points to major groups or tribes of grasses, each of which is treated separately leading to the genera. The key uses pairs of contrasting characteristics at each step. Additional characteristics are then added at the final steps to further characterize the genera. The illustrated key runs parallel to the written key. A descriptive and illustrated glossary is included for the whole key.  
BC EV PR SC

### Illustrated keys to the identification of the birds of prey of British Columbia

by W.G. Turnbull and R.W. Campbell. Victoria : Ministry of Environment, British Columbia Conservation Officer Service, 1989. vi, 37 p. : ill., maps. Bibliogr. (Information report series ; no. 1) ISSN 0847-5415 ISBN 0-7726-1056-8 MICROLOG 90-03069 1 fiche

Guide to identifying native birds of prey found in BC, divided into a general key separating diurnal birds of prey from nocturnal birds of prey; a specific key separating families and species of Falconiformes or diurnal birds of prey, and a specific key separating families and species of Strigiformes or nocturnal birds of prey. Additional notes are provided on plumage and distribution for all birds of prey, including status, relative abundance, a distribution map, and major plumage characteristics.  
BC EV PR SC

### Illustrations of fish pathogens in Hubei Province : section on Myxosporidia

edited by the Hubei Provincial Research Institute of Aquatic Biology, Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 153 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5204) *Originally published in Chinese, by the Science Publishing House at Peking.* ISSN 0704-3716 MICROLOG 90-02705 2 fiche

Myxosporidians are parasites of fishes, amphibians and reptiles. More than 700 species have already been discovered, with the vast majority being parasitic in fishes.



Systematic surveys of the fish parasites occurring in Huama Lake in Hubei Province were carried out from 1959-60 and in 1962, leading to the discovery of 97 species of myxosporidians. This paper describes their morphology, life history and their relationship with the host fish. Descriptions of each of the 97 species are given.

• CA CF FI LS SC

### Image analysis of a sample from East Kemptville, second part

by R. Lastra and R. Pinard. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. 11 p. : ill. (Report ; MSL 90-46(IR))  
MICROLOG 90-06001 1 fiche

A sample of the flotation feed (mainly table tailings) from East Kemptville was studied by image analysis to determine modal analysis and liberation of the sulphide minerals other than pyrite, pyrrhotite, chalcopyrite, and sphalerite and to determine the liberation of the sulphide minerals and their associations.

• CA CM NR ON PS SC

### Image analysis study of samples from University of Wales, College of Cardiff

by R. Lastra and R. Pinard. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. 23 p. : ill. (Report ; MSL 90-39(IR))  
MICROLOG 90-06002 1 fiche

Several samples were submitted from a typical laboratory copper-rougher flotation test where the copper recovery was less than 70%. The objective was to determine why the copper recovery is low and why the copper is slow floating. The samples were studied using a Microprobe SEM-IPS image analysis system to identify the minerals present and to determine the mineral quantities, the liberation of the most important minerals, and the association of the main copper mineral with other minerals in the sample.

• CA CM NR PS SC

### Images pour tous : illustration de livres canadiens pour enfants

par I.E. Aubrey. Ottawa : Bibliothèque nationale du Canada, 1987. 59 p. *Bilingue (Pictures to share...)*. ISBN 0-660-53763-X  
MICROLOG 90-00004 1 fiche

Ce catalogue offre un échantillon représentatif des livres dont les illustrations constituent un apport particulier à la littérature canadienne pour enfants. Il a été préparé pour accompagner une exposition d'illustrations de livres canadiens pour enfants, présentée par la Bibliothèque nationale du Canada afin de marquer l'Année internationale de l'enfant. Le catalogue est divisé en deux parties principales, dont l'une porte sur la période du XIXe siècle à 1959, et l'autre, sur celle de 1960 à 1979. Ces parties ont été révisées et mises à jour et y sont ajoutées plusieurs notices. Cette édition comprend aussi une toute nouvelle section réunissant quarante-et-une notices se rapportant aux années 1980 à 1985 inclusivement.

CA CU

### Immigrant landings to Ontario, January 1 to December 31, 1986 : summary and tables

Toronto : Ministry of Citizenship, 1987. 33 p. : ill. (Ethnocultural data base materials, series I : immigration statistics ; vol. VII) *Bilingue (Immigrants admis...1986...)*. CSI 55102.003. ISSN 0714-1270  
MICROLOG 90-00501 1 fiche

General statistics and tables present information on official language ability, immigration trends, immigrant class, a regional overview, and community of destination overview. It includes general and immigrant class definitions.

ON PR SA ST

### Immigrant landings to Ontario, January 1 to December 31, 1987 : summary and tables

Toronto : Ministry of Citizenship, 1988. 33 p. : ill. (Ethnocultural data base materials, series I : immigration statistics ; vol. VIII) *Bilingue (Immigrants admis en Ontario...)*. CSI 55102.003. ISSN 0714-1270  
MICROLOG 90-05530 1 fiche

This publication provides data at three geographical levels: provincial, regional and individual community of destination. It includes tables on topics such as official language ability, immigration trends over this decade, educational qualifications and major source countries.

EX ON PR ST

### Immigrant landings to Ontario, January 1 to December 31, 1988 : summary and tables

Toronto : Ministry of Citizenship, 1990. 32 p. : ill. (Ethnocultural data base materials, series I : immigration statistics ; vol. IX) *French ed. (Immigrants admis en Ontario...) on the same fiche*. CSI 55102.003. ISSN 0714-1270  
MICROLOG 90-06894 1 fiche

Provides data at three geographical levels: provincial, regional, and individual community of destination. In addition to the 1988 level of immigration, tables are included on topics which continue to be of interest such as official language ability, immigration trends over this decade, educational qualifications, and major source countries.

EX ON PR ST

### Immigrants admis en Ontario du 1er janvier au 31 décembre 1986 : sommaire et tableaux

Toronto : Ministère des affaires civiles, 1987. 33 p. : ill. (Documents de données ethnoculturelles, séries 1 : données sur l'immigration ; vol. VII) *Bilingue (Immigrant landings...)*. CSI 55102.003. ISSN 0714-1270  
MICROLOG 90-00501 1 fiche

Bien que les statistiques générales et tableaux sont disponible en anglais seulement, ce document présente des points saillants qui illustrent les tendances du niveau de l'immigration selon l'âge et le sexe, les catégories d'immigration, la connaissance des langues officielles, les régions et pays d'émigration, et les localités de destination. Inclues en annexes sont les définitions des catégories d'immigrants et quelques définitions générales.

ON PR SA ST

### Immigrants admis en Ontario du 1er janvier au 31 décembre 1987 : sommaire et tableaux

Toronto : Ministère des affaires civiles, 1988. 33 p. : ill. (Documents de données ethnoculturelles, séries 1 : données sur l'immigration ; vol. VIII) *Bilingue (Immigrant landings...)*. CSI 55102.003. ISSN 0714-1270  
MICROLOG 90-05530 1 fiche

Cette publication constitue le huitième rapport annuel produit sur le sujet par le ministère des Affaires civiles depuis 1980. Comme en 1986, cette publication fournit des données sur trois échelons géographiques: provincial, régional et local (c.-à-d. la collectivité où a choisi de s'établir l'immigrant). Outre les statistiques de 1987, figurent dans ce document des tableaux portant sur des sujets dignes d'intérêt tels que la connaissance des langues officielles, les tendances de l'immigration, la scolarité et les principaux pays d'émigration.

EX ON PR ST

### Immigrants admis en Ontario du 1er janvier au 31 décembre 1988 : sommaire et tableaux

Toronto : Ministère des affaires civiles, 1990. 33 p. : ill. (Documents de données ethnoculturelles, séries 1 : données sur

l'immigration ; vol. IX) *L'éd. anglaise (Immigrant landings...) sur la même fiche*. CSI 55102.003. ISSN 0714-1240  
MICROLOG 90-06894 1 fiche

Cette publication fournit des données sur trois échelons géographiques: provincial, régional et local. Outre les statistiques de 1988, figurent dans ce document des tableaux portant sur des sujets dignes d'intérêt tels que la connaissance des langues officielles, les tendances de l'immigration, la scolarité et les principaux pays d'émigration. De plus, on a augmenté la section consacrée à la localité de destination pour y donner des renseignements plus détaillés.

EX ON PR ST

### Immigration and employment effects

by D.J. DeVoretz. Ottawa : Institute for Research on Public Policy, 1989. ix, 32 p. Bibliogr. (Discussion paper ; 89.B.3)  
MICROLOG 90-04755 1 fiche

Discusses how immigration policy evolved between 1945 and 1986, especially with respect to economic criteria. It reviews the relevant economic literature on immigration and job displacement. It also formulates and tests econometrically the various permutations of the immigrant-job displacement hypothesis. Finally, it evaluates the success or failure of post-1945 Canadian immigration policy with respect to the job displacement debate.

• CA EX LA

### Immigration glossary

by J. Johnston-Des Rochers and J.M. Saint-Louis. Ottawa : Dept. of the Secretary of State of Canada, 1990. xiii, 633 p. *Bilingue (Lexique de l'immigration)*. ISBN 0-660-55667-7  
MICROLOG 90-04227 7 fiche

This glossary, which contains approximately 6,000 entries, is a larger, revised version of the 1987 edition. It includes legal terms and expressions, official titles and the vocabulary in use at the Dept. of Employment and Immigration of Canada. Term pairs were extracted from acts and regulations, departmental manuals, Adjudication records, departmental translation files and Termium. The base list of the original edition was updated to reflect the contents of the new immigration legislation passed in 1988.

CA EX

### Immigration statistics, 1987

Ottawa : Employment and Immigration Canada, Immigration, 1989. xv, 122 p. : ill. CSI 21126.004. ISBN 0-662-56877-X  
MICROLOG 90-05511 2 fiche

This publication contains general interest statistics on population, landed immigrants and travel between Canada and other countries. Highlights current issues of interest such as data on entrepreneurs, refugees, and foreign domestic movement. Includes data for the period 1978-84.

CA EX SA ST

### Immigration to Alberta : overview from 1983 to 1987

Edmonton : Alberta Career Development and Employment, Immigration and Settlement Services, 1988. 13 p. CSI 34111.004.  
MICROLOG 90-02411 1 fiche

This document provides information on the ancestry of the people of Alberta, the percentage of immigrants who have knowledge of English, the classification of immigrants, the point system, and help for newcomers after arrival in Alberta.

AL EX PR SA ST

### Immigration to Alberta : overview from 1984 to 1988

Edmonton : Alberta Career Development and Employment, Immigration and Settlement, 1989.



12 p. CSI 34111.004  
MICROLOG 90-06049 1 fiche

Presents information on Alberta's population, and significant characteristics of Alberta's immigrant population including knowledge of Canadian official languages, educational background, employment, age groups, and gender. It also describes immigration classes, and provides information on assistance for new immigrants to Alberta.  
AL EX PR

# **Immobilization of grizzlies with ketamine-xylazine and morphometrics of the bears drugged in Kananaskis Country, Alberta**

by H.D. Carr. Edmonton : Alberta Forestry, Lands and Wildlife, Wildlife Management Branch, 1989. vii, 25 p. Bibliogr. (Wildlife research series ; no. 3a) ISBN 0-86499-665-9  
MICROLOG 90-06663 1 fiche

From 1980-84, a major investigation of grizzly bears was conducted in Kananaskis Country to obtain demographic and distributional information to assist in conservation of grizzlies in that developing outdoor recreation area about 50 km southwest of Calgary. For that investigation, it was necessary to capture, mark, and release as many study-area bears as possible. Because of their relative availability, cost, and safety and the absence of legal restrictions, a mixture of the drugs ketamine hydrochloride and xylazine hydrochloride was used to immobilize the bears for processing. This report analyzes the drugging and morphometric data collected, evaluates the performance of the ketamine-xylazine mixture for immobilization of grizzlies, and categorizes, evaluates, and summarizes the morphometric information collected.  
AL EV PR SC

# **L'impact de l'acidification des plans d'eau sur la valeur économique de la pêche récréative au Québec**

Luc Michaud Inc. Ottawa : Ministère des pêches et des océans, Direction de l'économie et de la coordination des programmes, 1989. 80 p. : cartes géogr. Bibliogr. (Rapport d'analyse économique et commerciale ; no 1) ISSN 0847-1185 ISBN 0-662-95357-6  
MICROLOG 90-03224 1 fiche

Cette étude touche uniquement le Québec pour l'année 1985. Un modèle économétrique fiable a été construit afin d'être capable de prédire les effets de l'acidification sur la demande en matière de pêche, exprimée en nombre de jours par zone de pêche. Les recherches ont permis d'estimer l'existence d'un lien très significatif entre la demande en matière de pêche et la production biologique des étendues d'eau exprimée par la formule de la biomasse (en grammes) par unité d'effort de prise. Durant cette étude, l'application de la méthode du coût de transport fut utilisée afin d'estimer la valeur économique liée à une réduction du nombre des journées de pêche'.  
• CA CF CU EV FI QU SC

# **L'Impact de la bureautique sur les organisations et les emplois : un état de la question**

par J. Katambwe et R. Andrews. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'information du travail, Direction de la recherche organisationnelle, 1988. 54 p. Bibliogr. L'éd. anglaise (*The Impact of office automation...*) : 90-04049/1. ISBN 0-662-95706-7  
MICROLOG 90-04050 1 fiche

L'objectif de cette revue de la littérature est de réunir de façon synthétique les projections théoriques et les résultats de recherches empiriques dans le domaine de l'évaluation de l'incidence des nouvelles technologies sur le

travail et son organisation. Elle examine particulièrement les thèmes et les dimensions de la recherche; les structures organisationnelles; et la revue des revues de littérature.

• CA LA PS SC TE

# **L'Impact des nouvelles technologies de l'information sur l'emploi et le travail : bibliographie thématique sélective**

par R. Poirier et S. Cournoyer. Laval, Québec : Ministère des communications du Canada, Centre canadien du recherche sur l'information du travail, Direction de la recherche organisationnelle, 1989. 192 p. Bilingue (*New information technologies...*) ISBN 0-662-57057-X  
MICROLOG 90-04414 3 fiche

Cette bibliographie contient quelque 1300 références couvrant divers aspects reliés à la problématique des nouvelles technologies et de leur incidence sur l'emploi et le travail. Les documents (articles de périodiques, monographies et chapitres de monographies) retenus couvrent principalement la période débutant en 1981 et se terminent au début de l'année 1987. Les références bibliographiques sont regroupées en catégories et sous-catégories thématiques afin de faciliter la consultation. Une référence bibliographique peut se retrouver sous plusieurs regroupements selon la diversité des thèmes qui y sont traités.  
• CA LA PS SC

# **L'Impact du vieillissement de la population sur l'habitat : les personnes âgées et leurs besoins résidentiels**

par F. Renaud. Québec : Gouvernement du Québec, Société d'habitation du Québec, Direction de l'analyse et de la recherche, 1989. 46 p. : ill. Bibliogr. L'éd. anglaise (*The Impact of an aging...*) : 90-02500/1. ISBN 2-550-19276-6  
MICROLOG 90-03545 1 fiche

Ce document porte essentiellement sur les besoins résidentiels des personnes âgées dans une société vieillissante. Il met en relief les différentes options résidentielles qui doivent se développer tout en mettant l'accent sur l'impact de l'environnement résidentiel sur le mieux-être des personnes âgées.  
PR QU SA

# **Impact économique provincial des parcs nationaux en Alberta**

Service canadien des parcs, Direction socio-économique. Calgary : la Direction, 1989. ii, 15, ii, 16 p. Bibliogr. Bilingue (*Impact on the provincial economy...*).  
MICROLOG 90-02431 1 fiche

Ce rapport a pour objectif de donner un aperçu des avantages économiques générés en Alberta par les parcs nationaux, par historique national et l'application du programme administré par le Service canadien des parcs en Alberta. On y analyse les parcs nationaux Banff, Elk Island, Jasper, des lacs Waterton, le parc historique national Rocky Mountain House et le bureau de la région de l'Ouest du Service canadien des parcs à Calgary.  
AL CO CU EV PR

# **The Impact of acidification on the economic value of recreational fishing in eastern Canada**

Luc Michaud Inc. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. xiii, 125 p. : maps. Bibliogr. (Economic and commercial analysis report ; no. 14) ISSN 0843-5626  
MICROLOG 90-03223 2 fiche

Recreational fishing is one of the most popular outdoor activities in Canada, with direct

spending by recreational fishermen generating significant economic activity. There is increasing recognition that acidic precipitation impairs the biological productivity of fish habitat, making game fish more scarce. This study follows a similar report conducted in Quebec using the travel cost method and including a biological variable in the econometric model. The model is based on the relationship, determined by biologists, between the acidity of a body of water and its biological production, measured in biomass per unit of fishing effort. The study included all of Eastern Canada (Ontario, Quebec, the Maritimes). The economic loss related to a decline in biological productivity is represented by a reduction in the number of fishing days and a decline in satisfaction of the remaining users. It is expressed in current dollars per year discounted over 50 years at an annual rate of 10%. The discount reference year is 1988. In total, 5 hypothetical scenarios are evaluated.  
• AP CA CF CU EV SC

# **The Impact of an aging population on housing conditions : the elderly and their housing needs**

by F. Renaud. Quebec Société d'habitation du Québec, Direction de l'analyse et de la recherche, 1989. 44 p. : ill. Bibliogr. French ed. (*L'Impact du vieillissement...*) 90-03545/1. ISBN 2-550-19276-6  
MICROLOG 90-02500 1 fiche

This document deals with the residential needs of the elderly in an aging population. Its purpose is to bring out the various residential options to be developed, while emphasizing the role that the residential environment can give on the well-being of the elderly.  
PR QU SA

# **Impact of computer technology on secretarial and clerical functions at Research Division**

by A.A. McMahon. Toronto : Ontario Hydro, Research Division, 1989. 42 p. Bibliogr. (Report ; no. 89-272-K)  
MICROLOG 90-03536 1 fiche

Description of the impact of computer technology on the secretarial and clerical functions in such areas as productivity, job satisfaction, product and service quality, relief and job security. Critical management issues are described and guidelines are offered as to how they should be managed. These include training, support, career development, and organizational structure and job ratings. The professionals' use of computer technology is also dealt with as it impacts on the secretarial and clerical support functions.  
ON PR PS SC

# **The Impact of office automation on organizations and jobs : state of the art**

by J. Katambwe and R. Andrews. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1988. ii, 50 p. Bibliogr. French ed. (*L'Impact de la bureautique.f.*) : 90-04050/1. ISBN 0-662-17336-8  
MICROLOG 90-04049 1 fiche

The purpose of this review of the literature is to formulate an overview of theoretical projections and the results of empirical research in the area of evaluating the impact of new technologies on work and its organization.  
• CA LA PS SC TE

# **Impact of porcupine feeding damage on intensive forest management in the Prince Rupert Forest Region : problem analysis**

by T.P. Sullivan and C. Cheung. Victoria : Forest Resource Development Agreement,



1989. vi, 20 p. : ill. Bibliogr. (FRDA report ; 083) ISSN 0835-0752 ISBN 0-7726-0981-0 MICROLOG 90-01341 1 fiche

During the winter months, porcupines feed on the vascular tissues of pole-size (10-30 cm dbh) trees. Damage is particularly significant in the second-growth western hemlock-Sitka spruce forests of the North Coast and Kalum Forest districts. This analysis presents a synopsis of the general population biology of the porcupine, assesses the effectiveness and practicality of control strategies for porcupine populations and damage, assesses the impact of feeding damage on not satisfactorily restocked land, stand tending, and allowable annual cut; develops a conceptual forecast model to predict when and where outbreaks of porcupine damage will occur; and develops a plan of action with an assessment of alternatives to control porcupine damage in the Kalum and North Coast Forest districts.  
BC FO PR SC

#### Impact of steam additives on the productivity of the cyclic steam stimulation process

by L.L. McCorniston, V. Trocan and J.G. Boyd. Calgary, Alta. : Gulf Canada Resources Limited, 1988. x, 190 p. : ill. Bibliogr. CANMET contract: 79064-01-SQ MICROLOG 90-03384 3 fiche

The effects of alkalinity and steam additives on interfacial tension and oil recovery are impossible to recreate except in changing reservoir conditions induced by alkaline steam injection. This study determines the changes in production as a result of steam additives, the interfacial tension of produced and injected fluids with and without additives; the effect of steam additives on the emulsion formation tendency of boiler effluents and reservoir water, and the impact of alkaline boiler effluent reactions as well as steam additive adsorption or decomposition. Eight primary production wells drilled in 1986 at Pelican Lake project were selected and divided into 4 well pairs, one of which was steamed with additive. For each well, produced fluid (oil and water) samples were taken during the primary production phase (pre-steam). During steaming, samples of both steam generator, source water and boiler effluent (condensate) were taken, as well as any pre-flush/workover fluids. More frequent produced fluid sampling took place for the initial high water cut flowback, when some of the steam additive was expected to be produced back.  
• AL CA CM EN PS SC

#### The Impact of technological change on jobs and education

by L. Garceau and T. Barbeau. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1987. iii, 40 p. Bibliogr. Presentation given to the Northern Telecom National Institute, Toronto, August 1987. ISBN 0-662-16243-9 MICROLOG 90-04432 1 fiche

Discusses the perception of technological change in the workplace, the impact of technological change on jobs, how well the present educational system meets future needs, and the strategies of social change which the educational system should adopt to meet the challenges of the job market of the 1990s.  
• CA ED LA TE

#### Impact of technology in the workplace

by J. Lyrette. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1987. 22 p. Bibliogr. Paper presented at the International Conference on Public Personnel Administration. French ed. (Les Changements

technologiques.) : 90-05463/1. MICROLOG 90-05462 1 fiche

Paper on the social and organization changes brought about by office automation and the measures and actions which can be taken to maximize its benefits. The paper examines how change is implemented in the office of today and how the office of the 1990s will be managed by describing the experience of several innovative organizations that are already operating in a sophisticated technological environment. Relevant research findings and work carried out by the Centre is discussed and a series of practical solutions are proposed.  
CA LA PS SC

#### The Impact of the Canada/U.S. Trade Agreement : a legal analysis

Toronto : Attorney General, 1988. 98 p. Executive summary (3 p.) laid in. MICROLOG 90-00267 2 fiche

The study assesses whether or not the Agreement, in addition to its obvious economic significance, will bring with it changes of a legal nature. The analysis includes an examination of the Agreement, the available information on its impact on a sector-by-sector basis, the General Agreement on Tariffs and Trade (incorporated by reference at many important points of the Agreement) and the underlying principles of the constitutional law.  
CI CO EX JU ON PR

#### The Impact of the insecticide carbofuran (Furadan 480F) on the burrowing owl in Canada

by G.A. Fox...et al. Ottawa : Canadian Wildlife Service, 1989. x, 54 p. : ill., maps. Bibliogr. (Technical report series ; no. 72) ISSN 0831-6481 ISBN 0-662-17150-0 MICROLOG 90-06379 1 fiche

The Burrowing Owl is officially listed as a threatened species in Canada. Because of its limited range and specialized life habits, concerns were raised as to its vulnerability to insecticides used to control grasshopper infestations. In 1986 and 1987 research was undertaken to investigate the impact of operational grasshopper control on Burrowing Owl nesting in Saskatchewan. Three study areas (one predominantly rangeland and two heavily cultivated) were selected using the predicted severity of grasshopper infestation and known burrowing owl density. Active sites were located in May and early June, with repeated observations made at occupied burrows to determine nest success and brood size. Twenty-nine of the 30 sites studied in 1986 were revisited in 1987 to determine the number of pairs present. Landowners, land managers and rural municipalities provided details of their grasshopper control measures, including the date, location, and the agent applied.  
• CA EV MS SC

#### Impact on the provincial economy of the National Parks of Alberta

Canadian Parks Service. Socio-Economic Branch. Evaluation and Analysis Division. Calgary, Alta. : The Branch, 1989. ii, 16, ii, 15 p. Bibliogr. Bilingual (Impact économique provincial. :). MICROLOG 90-02431 1 fiche

Provides an overview of the economic benefits which accrue to the Province of Alberta from the operation of parks and the delivery of the program managed by the Canadian Parks Service in Alberta. It includes an analysis of Banff, Elk Island, Jasper and Waterton Lakes National Parks, Rocky Mountain House National Historical Park, and the Western Region Office of the Canadian Parks Service in Calgary.  
AL CO CU EV PR

#### Impacts d'un changement climatique sur les ressources naturelles du Québec

par B. Singh. Ottawa : Environnement Canada, 1988. 11, 11 p. : cartes géogr. (Sommaire du changement climatique ; SCC 88-08) Bilingue (The Implications of climate change.). ISSN 0835-3980 ISBN 0-662-56161-9 MICROLOG 90-01110 1 fiche

L'atmosphère terrestre subit de grands changements dans sa composition à l'échelle mondiale. Les activités humaines, comme le déboisement, l'utilisation des combustibles fossiles et, même, les opérations agricoles ont nettement accru la quantité de gaz carbonique et d'autres 'gaz de serre' de l'atmosphère. Il est de mieux en mieux établi du point de vue scientifique que l'accroissement de la concentration de ces gaz pourrait entraîner, au cours des prochaines décennies, une augmentation de la température moyenne mondiale supérieure à toute autre augmentation survenue depuis l'arrivée de l'homme sur terre. Ce numéro donne les résultats sommaires d'une étude portant sur les effets d'un changement climatique à long terme sur les ressources naturelles pour la province du Québec. Du fait de leur importance économique pour le Québec, trois secteurs y sont étudiés: l'énergie, l'agriculture et la foresterie.  
CA EV NR QU SC

#### Les Impacts des changements technologiques sur les tâches et l'éducation

par L. Garceau et T. Barbeau. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, Direction de la recherche organisationnelle, 1988. ii, 41 p. Bibliogr. Communication présentée à l'Institut national de Northern Telecom. L'éd. anglaise (The Impact of technological...) : 90-04432/1 ISBN 0-662-94935-8 MICROLOG 90-02334 1 fiche

Ce document passe en revue les recherches récentes concernant les impacts de la nouvelle technologie sur les tâches et l'éducation. Il propose quelques solutions aux différentes instances gouvernementales, à l'entreprise privée et à la population pour faire face aux effets de la technologie sur les tâches et l'éducation.  
CA ED LA SC TE

#### Impacts of a change in the method of payment : a discussion paper

for the Agricultural Advisory Council, by Deloitte Haskins and Sells. Winnipeg : The Company, 1989. 25 p. : ill. MICROLOG 90-02352 1 fiche

The Agricultural Advisory Council was appointed in May 1989 to initiate and guide research on a variety of agricultural and agri-food issues. The first project involved an analysis of the impact of a potential change in the method of payment of the Crow benefit on Manitoba's economy. This discussion paper is the first of a series outlining the major findings of the research. This paper covers the cost to the farmer of maintaining the status quo; the concept of 'pay the producer' from the individual perspective, the impact on the farmer's decision making and on the grain handling and transportation system and processing sector, alternative Crow benefit payments; and the complexity of the proposal.  
AG MS PA PR SC TR

#### Impacts of a change in the method of payment : discussion paper no. 2

for the Agricultural Advisory Council ; by Deloitte Haskins and Sells. Winnipeg : The Company, 1989. 84 p. MICROLOG 90-02351 2 fiche



The Agricultural Advisory Council was appointed in May 1989 to initiate and guide research on a variety of agricultural and agri-food issues. The first project undertaken by the Council involved an analysis of the impact of a potential change in the method of payment of the Crow benefit on Manitoba's economy. A change in the method of payment of the Crow benefit to producers, rather than to the railways, as at present, would have significant long-term impacts on a wide variety of sectors within the agriculture and related industries in Manitoba. This study reviews 11 alternative methods of payment and analyzes their impacts. It also analyzes the production shifts which can be expected to occur at the primary level, including livestock production, under several different policy scenarios.  
AG MS PA PR SC

### Impacts of a change in the method of payment of the Crow benefit : discussion paper no. 3

prepared for the Agriculture Advisory Council ; prepared by Deloitte Haskins & Sells.  
Winnipeg : The Company, 1990. xi, 132 p.  
MICROLOG 90-04941 2 fiche

This report addresses the changes in the types and volumes of secondary processing which would occur as a result of changes in freight costs paid by the producer due to introducing the pay-the-producer method of payment. The processing industry is defined as the manufactured livestock feed and the food and beverage processing sectors. Each industry is examined to determine the likely direction and magnitude of change as a result of a change in the method of payment, with particular emphasis on livestock processing and oilseed crushing. The various industries are analyzed for volume and value of output market opportunities and constraints, existing and future capacities, and current employment levels under 2 policy options. The methodology includes a literature review, the formulation and testing of likely scenarios, and the analysis of the resulting information for the processing sector, the transportation and handling sector, rural communities, and the Canadian Wheat Board.  
AG MS PR SC

### Impaired driving in Alberta : a five year perspective, 1984-88

Edmonton : Alberta Impaired Driving Countermeasures Committee, 1989. 41 p. : ill.  
At head of title: *Impaired Driving Program : research report.*  
MICROLOG 90-04385 1 fiche

The purpose of this paper is to describe the magnitude of the impaired driving problem in Alberta and to increase the public's awareness and knowledge of this social problem. It focuses on alcohol consumption; traffic collisions, injuries, and fatalities; persons charged with impaired driving; punishment for impaired driving; impaired driving profiles; and the social and economic consequences of impaired driving.  
AL PR SA TR

### Impaired driving in Alberta : a survey of the province's drivers

Edmonton : Alberta Solicitor General, 1989. 49 p. : ill. On cover: *Impaired Driving Program : research report.*  
MICROLOG 90-04386 1 fiche

The purpose of this report is to detail the result of a study that was undertaken with drivers in Alberta. The study inquired into the knowledge and opinions of the driver population on the impaired driving problem, the impact of current impaired driving initiatives and the appropriateness of proposed impaired driving initiatives.  
AL PR SA TR

### Impaired driving program : status report, 1989-90

Edmonton : Alberta Solicitor General, 1990. 17 p.  
MICROLOG 90-06664 1 fiche

The Department of the Solicitor General was given responsibility for coordinating and directing impaired driving initiatives under the direction and sponsorship of the Government of Alberta in May, 1988. This status report represents the progress that has taken place in the second year of a three year strategic plan to reduce the incidence of impaired driving in Alberta.  
AL PR SA

### Implementation of an integrated rock mechanics programme for cut and fill potash mining

by R.J. Beddoes, J.J. Streisel and B.V. Rouleston. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. ix, 76 p. : ill., maps. Bibliogr. (Open file report : 89-48) ISSN 0712-4562  
MICROLOG 90-01600 1 fiche

Unique rock mechanics problems are presented by the steeply dipping and contorted potash ore body mined by the Potash Co. of America near Sussex, New Brunswick. This report presents the results of an integrated program of in situ measurements, laboratory testing and computer modelling for a solution to the problems presented. In situ measurements of deformation and pressure were begun in virgin ground excavations in the ore and in the major evaporite strata surrounding it, then expanded to include active mining areas. Strength and creep tests of evaporite core were carried out and finite element and finite difference computer models were calibrated against the virgin ground in situ measurements and then tested in real design simulations.

• AP CA NR PS SC

### Implementation of the French Language Services Act : a profile of Ontario's francophone community -- Rev.

Ontario. Ministry of Municipal Affairs. French Language Services Branch. Toronto : The Ministry, 1990. 13, 13 p. *Bilingual (Mise en oeuvre. :)* ISBN 0-7729-5576-X  
MICROLOG 90-05574 1 fiche

The French Language Services Act requires all ministries, agencies, boards and commissions of the provincial government to provide the full range of their service in French within the 22 areas designated under the Act. This publication provides basic information about Ontario's francophone community and details the Ministry's role in the implementation of the Act.  
CU ON PR SA

### Implementation of the Norman Wells Project impact funding program : an evaluation

by W.E. Rees and M. Kerr. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1987. i, 29 p. Bibliogr. (Studies in northern development ; no. 14) ISSN 0828-2439  
MICROLOG 90-05476 1 fiche (Available on fiche only)

The Norman Wells project involved a ten-fold expansion of the Norman Wells oilfield and development of a 324 mm (12 inch) pipeline extending 870 km south to the Zama terminal in Northern Alberta. The project was approved in July 1981, construction began in January 1983 and the pipeline shipped its first oil in May 1985. At the time of the project approval, a special benefits package was announced to foster native participation and to manage the socio-economic effects of the project. This paper assesses the effectiveness of the planning and administrative arrangements

for the key impact funding initiatives that dealt with community and social development and project planning and monitoring. The analysis is concerned solely with institutional mechanisms and makes no attempt to evaluate the merit or outcomes of the subject initiatives.  
BC EN EV PR SC

### Implementation of the official languages policy : profiles

Fredericton : Board of Management, 1990. 811 p. *Bilingual (La Mise en oeuvre : profils)*  
MICROLOG 90-03201 9 fiche

Provides an English and French implementation plan for all departments and ministries.  
AP CI PA PR

### Implementation of the official languages policy : report

Fredericton : Board of Management, 1990. ii, 811 p. 20 p. *Bilingual (La Mise en oeuvre : rapport)*  
MICROLOG 90-03193 1 fiche

Provides information on factors determining the size of individual target teams and the language skill qualifications needed by each target team, language skill qualifications legend utilized for the target teams, how identified target teams are to be achieved, statistical information derived from the exercise identifying the needed target team language skill qualifications, procedural elements of official languages implementation, and future implementation support activities.  
AP CI PR

### The Implications for future urban growth of land fragmentation in urban fringe areas

Calgary, Alta. : Calgary Regional Planning Commission, Urban Planning Division, 1987. 2 v. : ill., maps. Bibliogr. Contents: Vol. 1 : *A Review of recent experience -- vol. 2 : Technical appendix : background working papers*  
MICROLOG 90-04191 4 fiche

Since the ratification of the Calgary Regional Plan in May of 1984, there have been a number of applications to re-subdivide 20-acre parcels in the urban fringe from hobby farm use to residential suburban development. This investigation analyzed the implications of such fragmentation urban fringe areas, which were intended as a mechanism to protect future long term growth options for urban municipalities. The study explores its impacts on an urban municipality's future expansion lands and the significance of these impacts. An extensive literature review was the first step, followed by a questionnaire survey of 39 urban municipalities across Canada. The survey was supplemented by personal interviews with professional planners working for selected municipalities in Ontario and Alberta. The information from the literature review, the questionnaire survey and the personal interviews with planning professionals were then reviewed and analyzed to identify relevant themes and issues.  
AL MU PL SC

### Implications of business combinations for environmental protection : report

Ernst and Young (Firm). Toronto : Environment Ontario, Policy and Planning Branch, 1990. 88 p. Bibliogr. ISBN 0-7729-7030-0  
MICROLOG 90-07065 2 fiche

The Ministry intends to undertake economic research to determine the achievability of pollution abatement measures in setting new standards. These economic analyses will inevitably have to consider the implications of the recent merger wave and future trends in business combinations for the economic performance of firms in Ontario and their ability to bear the costs of environmental protection. This study addresses the trends in



business combinations in Canada and internationally and their implications for environmental protection in the province, both directly, and through their impact on economic performance.  
CO EV ON PR

#### Implications of changes in rail service on development in Nova Scotia : final report

prepared by ADI Limited ; in association with Trade and Transportation Group ; commissioned by the Province of Nova Scotia. Fredericton : ADI Limited, 1989. xi, 171 p.  
MICROLOG 90-04111 2 fiche

This study provides an analysis of relevant data and information pertaining both to short term (five years) and long term (ten years) changes in rail transport. It focuses on the impact of these changes on existing industry and the implications for industrial development.  
AP PL PR TR

#### The Implications of climate change for natural resources in Quebec

by B. Singh. Ottawa : Environment Canada, 1988. 11, 11 p. : maps. (Climate change digest ; CCD 88-08) *Bilingual (Impacts d'un changement...)*. ISSN 0835-3980 ISBN 0-662-56161-9  
MICROLOG 90-01110 1 fiche

Summary results of a study on the implications of long-term climate change for energy, agriculture and forestry in Quebec. In the energy sector, attention focused mainly on the hydro-electric power generating potential of the James Bay area and then on the projected interior space heating requirements in the southern part of the province. In the forestry sector, the potential for displacement of tree communities and potential changes in tree growth rates were examined. In the agriculture sector, the study focused on projected effects on agroclimatic resource potential and on crop productivity for grain and fodder corn, soybeans, potatoes, spring wheat, beans, sorghum, barley, oats, rape-seed and sun flowers, and orchard crops such as grapes and apples. When possible, preliminary economic impact assessments involving simple cost-benefit analyses were performed.  
CA EV NR QU SC

#### Implications of climate change for small coastal communities in Atlantic Canada

by P. Stokoe...et al. Ottawa : Environment Canada, 1990. 14, 15 p. (Climate change digest ; CCD 90-01) *Bilingual (Répercussions du changement de climat...)*. ISSN 0835-3980 ISBN 0-662-57457-5  
MICROLOG 90-06619 1 fiche

Summary of the results of the 2d phase of a study to assess the physical and ecological impacts of climate change on the marine environment and economy of Atlantic Canada. The first phase focused on the potential impacts on fisheries, marine transportation, energy development, coastal infrastructure, and tourism and recreation. This report expands on the potential impacts of climate change on the fisheries and aquaculture and identifies the potential vulnerabilities of some coastal communities in Atlantic Canada.  
AP CA EV FI SC

#### Implications of climatic change for Prince Albert National Park, Saskatchewan

by Geoffrey Wall ; summary of an MA thesis by Jacqueline Vetsch. Ottawa : Environment Canada, 1989. 8, 9 p. : ill. Bibliogr. (Climate change digest ; CCD 89-03) *Bilingual (Répercussions du changement climatique...)*. ISSN 0835-3980 ISBN 0-662-56815-X  
MICROLOG 90-05248 1 fiche

Prince Albert National Park is an almost rectangular area located near the geographic centre of Saskatchewan. The park lies within the mixed wood section of the boreal forest region and forested lands occupy 91% of the park area. The report describes future climatic conditions and corresponding vegetation changes for the park and explores the array of potential implications of climate change for the study area and for the management of national parks.  
CA CU EV MS SC

#### The Implications of the INF Treaty

by J. Boulden. Ottawa : Canadian Institute for International Peace and Security, 1990. 7 p. (Background paper ; no. 31) *French ed. (Les Incidences du Traité...)* : 90-06512/1. ISBN 0-662-17519-0  
MICROLOG 90-03382 1 fiche

On 8 December 1987, President Reagan and Soviet General Secretary Gorbachev signed the Treaty on the Elimination of Intermediate-range and Shorter-range Missiles, known as the INF Treaty. This paper describes the terms and requirements of the Treaty and its implementation process.  
• CA EX

#### Import substitution opportunities : main report

Yellowknife : Dept. of Economic Development and Tourism ; Don Ference & Associates Ltd., 1987. 141 p. Bibliogr.  
MICROLOG 90-02667 3 fiche

Measures the existing production, consumption and importation of goods and services in the N.W.T.; identifies specific goods and services that could feasibly be produced and marketed in the N.W.T. under current market and production conditions; identifies the major constraints that serve to limit the feasibility of import substitution opportunities; and outlines the most appropriate for the Government of the N.W.T. to play in encouraging the development of import substitution opportunities and in alleviating existing constraints.  
CO NO PR

#### L'Importance de la faune pour les Canadiens en 1987 : rapport sommaire de l'enquête nationale

Groupe de travail fédéral-provincial chargé de l'enquête nationale de 1987 sur l'importance de la faune pour les Canadiens. Ottawa : Environnement Canada, Service canadien de la faune, 1989. 45 p. : ill. Bibliogr. *L'édition anglaise (The Importance of wildlife...)* : 90-01703/1. ISBN 0-662-95580-3  
MICROLOG 90-04861 1 fiche

On trouve dans ce rapport tous les détails sur la méthodologie utilisée au cours des différentes enquêtes ainsi que les lignes directrices pour l'analyse des données recueillies, dans les guides pour les usagers préparés par Statistique Canada et le Service canadien de la faune. Il présente les résultats de l'enquête sur un certain nombre d'activités reliées à la faune; traite de la participation à plusieurs activités reliées à la faune; examine deux activités reliées à la faune qui ont été ajoutées aux fins de l'enquête de 1987; et, résume les tendances de la participation aux activités reliées à la faune, entre 1981 et 1987.  
• CA EV SC

#### The Importance of a fixed crossing, over the Great Belt, for the fisheries in the Baltic -- Rev.

by H. Frost and H.P. Jorgensen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 26 p. (Canadian translation of fisheries and aquatic sciences ; no. 5304) *Originally published in Danish, by the Institute of Fisheries Economics, in Denmark.* ISSN

0704-3716  
MICROLOG 90-02087 1 fiche

In the debate over the establishment of a fixed crossing over the Great Belt, the environmental impact on the Baltic Sea has often been discussed. Research and economic calculations do not specifically assess the effects of such construction on pollution, ice conditions and fishing potentials because of the high degree of uncertainty. This report quantifies the potential influence on the cod fisheries of a fixed crossing, particularly in the reduction of the salinity and oxygen content of water flowing into the spawning basins of the Baltic Sea. The report also covers the economic effects on the cod and sprat fishery.  
• CA CF EV FI SC

#### The Importance of by-catches for economic viability, raw material supply and employment in the food fish industry : an introduction

by H. Frost. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5305) *Originally published in Danish.* ISSN 0704-3716  
MICROLOG 90-02086 1 fiche

The Danish fisheries sector is currently the largest in the European Common Market in total sales of fish and fishery products. Supply of fish is now a problem which has led to increasing imports. It is also important for employment that the processing industry has an even and stable supply of raw material for both food and industrial uses. The paper covers the limitations to continued growth, sales and employment in the fishing industry, raw material supply, economic conditions in the fishery, the importance of various vessel groups for raw material supply and employment, and landing seasons in the 6 largest ports. Only the summary and table of contents was translated.  
• CA CF FI SC

#### The Importance of chemicals in controlling forest vegetation

Victoria : Ministry of Forests and Lands, Forest Service, 1987. 13 p.  
MICROLOG 90-04745 1 fiche

In forests, the greatest competition to crops of conifers comes from woody plants that grow rapidly in height, herbaceous plants that spread through underground stems, and coarse grasses. This report describes the methods of controlling such vegetation, gives the history of the use of chemical controls, and presents the direct and indirect effects of banning chemical controls.  
BC FO PR SC

#### The Importance of equalization to Prince Edward Island

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1983. 14 p. : ill. (Economic trends ; no. 16)  
MICROLOG 90-04872 1 fiche

The principle of making equalization payments to the provinces is in place in the Canadian Constitution although its precise form is subject to change. This paper outlines how payments are determined to provide an historical perspective on the development of this transfer payment for P.E.I. In addition, it examines some of the implications of the equalization formula as it affects the province.  
AP CO PA PR

#### The Importance of wildlife to Canadians in 1987 : highlights of a national survey

Federal-Provincial Task Force for the 1987 National Survey on the Importance of Wildlife to Canadians. Ottawa : Environment Canada,



Canadian Wildlife Service, 1989. 45 p. : ill. Bibliogr. French ed. (*L'importance de la faune...*) : 90-04861/1. ISBN 0-662-17074-1 MICROLOG 90-01703 1 fiche

The 1987 national survey on the importance of wildlife to Canadians was carried out by Statistics Canada under the sponsorship of the Federal-Provincial Wildlife Conference and the direction of the Canadian Wildlife Service, and updates the 1981 survey. The study questioned approximately 80,000 Canadians 15 years of age and over. This report presents highlights of the survey, covering participation, time spent, expenditures, attitudes towards wildlife, single- vs multiple-activity participation, fishing and trapping, and implications for conservation policies and programs. A glossary of terms is included. CA EV SC

#### An Improved airborne wind measurement technique for the NAE Twin Otter

by B.W. Leach and J.I. MacPherson. Ottawa : National Aeronautical Establishment, 1989. v, 39 p. : ill. Bibliogr. (Aeronautical note ; NAE-AN-61) MICROLOG 90-02002 1 fiche (Available on fiche only)

The NAE Twin Otter atmospheric research aircraft was first instrumented for air motion measurement in 1980 and has undergone continual instrumentation development since then. The recent acquisition of a Litton LTN-90-100 inertial reference system, supplemented by the existing Doppler velocity sensor and airborne Loran-C positioning receiver sparked an interest in developing an integrated navigation system approach. This report describes the hardware currently on board for both inertial navigation and air data sensing, and 3 relatively standard wind computation techniques currently implemented, with the fundamental limitations of each shown using flight data; provides details of a Kalman filter integrated navigation algorithm designed specifically for the navigation sensor configuration onboard the Twin Otter and demonstrates its expected accuracy; then summarizes the reasons for utilizing a Kalman filtering technique for airborne wind measurement, the results achieved to date using this approach and future plans for its implementation onboard the Twin Otter. • CA PS SC TR

#### Improved make-up air supply techniques : a report -- Rev.

Buchan, Lawton, Parent Ltd. Ottawa : Canada Mortgage and Housing Corporation, Research Division, 1989. 90 p. : ill. Bibliogr. MICROLOG 90-03774 2 fiche

Description of the development of an improved system to provide make-up air for combustion and ventilation purposes. The work was divided into development of evaluation criteria for make-up air inlets; examination and testing of existing make-up air devices and systems in light of the above criteria; and development, testing and monitoring of improved make-up air systems to better meet the criteria. CA PL PS SC

#### Improvement of the quality of retorted kamaboko, I : influence of heating conditions on the quality of kamaboko

by M. Yamazawa, M. Murase and I. Shiga. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5326) Originally published in Japanese, by Nihon Suisan Gakkai, in Japan. ISSN 0704-3716 MICROLOG 90-02101 1 fiche

The recent prohibition of AF-2 (2-(2-furyl)-3-(5-nitro-2-furyl) acrylamide) as a food preservative

for the food paste kamaboko required a new retorting procedure of the manufacturers. Kamaboko retorted by the conventional method is sometimes subject to such deteriorations as off-flavour, browning, and decrease of jelly strength. To improve these deteriorations, the influence of heating conditions on the quality of kamaboko was examined. • CA CF FI SC

#### Improvements to OPTSTOR program : summary report

MacLaren Plansearch Limited. Toronto : Environment Ontario, 1988. 12 p. ISBN 0-7729-4676-0 MICROLOG 90-01990 1 fiche

OPTSTOR was originally developed as a computer tool for determining cost-effective locations and volumes for storage in a surcharged sewer network requiring relief. Though successfully applied in analyzing the City of Edmonton sewer system, the program was limited or deficient in several respects. This report reviews the limitations/deficiencies and implements those improvements which were feasible. The upgraded program was then applied to a sewer system in the Town of Vaughan. EV ON PR PS SC

#### Improving health and safety in the pulp and paper industry : report

Provincial Inquiry into Health and Safety of Workers in the Pulp and Paper Industry (Ont.). Toronto : Ministry of Labour, 1990. 96 p. : ill. French ed. (*L'Amélioration de la santé...*) : 90-06758/2. CSI 55114.202. MICROLOG 90-06759 2 fiche

Identifies needs with respect to the health and safety of workers in the Pulp and Paper Industry and develops a sector specific action plan to address these needs. It addresses: a commonly accepted accident data base; training, research as it applies to health and safety; safety standards as they relate to preventative maintenance and operating procedures; hazard identification systems within the sector; the role, responsibilities, and effectiveness of joint health and safety committees; regulatory initiatives; and MOL role and inspection procedures. FO HE LA ON PR ST

#### Improving student retention in Ontario secondary schools

by A.J.C. King...et al. Toronto : Ministry of Education, 1988. xiii, 144 p. : ill. Bibliogr. (Student retention and transition series) French ed. (*Améliorer la persévérance...*) : 90-00237/2. ISSN 0839-5039 ISBN 0-7729-4940-9 MICROLOG 90-00230 2 fiche

Includes an analysis of credit accumulation for 4 cohorts and academic achievement patterns over 4 years in 16 schools; an examination of 8 exemplary programs aimed at students who take mainly general-level courses; an examination of 8 exemplary programs for students taking mainly basic-level courses; and an analysis of the extent to which part-time work influences school leaving. The part-time work survey was administered in 13 schools to 4,620 students in grades 11 and above, and a telephone interview was conducted with 610 dropouts from 22 schools. ED ON PR

#### Improving upon survey measures of physical house condition

submitted to Jeanne Leong ; prepared by Ekos Research Associates Inc. Ottawa : Canada Mortgage and Housing Corporation, 1987. 98 p. MICROLOG 90-02013 2 fiche

This document covers the inspection sample characteristics, reliability of inspections data, validity of inspections data, comparison of inspector and respondent physical condition

data, and prediction of inspector condition scores using occupant data. CA CO PL SC

#### In Baffin land to study the narwhal *Monodon monoceras*

by G. Pilleri. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 139 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5192) Originally published in German, by Verlag des Hirnanatomischen Instituts at Ostermundigen, Berne, Switzerland. ISSN 0704-3716 MICROLOG 90-00059 2 fiche

Though much has been written about the narwhal, our knowledge of its natural history is still full of gaps, particularly since it is not possible to maintain the animal in aquariums for prolonged periods. The narwhal generally lives north of the Polar Circle, and catch quotas are controlled by Canada and Greenland, but it is highly prized for its ivory tusk, making it a valuable animal economically. This report gives the author's impressions of Baffin Land and the Inuit, and presents an overview of the ecology and behaviour, migrations, feeding, palaeontology, special morphological characteristics, function and morphogenesis of the tusk, the fluke, and sonar sounds and fields. • CA CF FI LS SC

#### In search of Canadian materials, 1989

Winnipeg : Manitoba Education and Training, Instructional Resources Branch, Collection Development Services, 1990. viii, 49 p. CSI 41107.007. ISBN 0-7711-0939-3 MICROLOG 90-06232 1 fiche

This publication is an aid designed to assist in the selection of materials for schools. It indicates grade levels by broad categories, and particular suitability, and, where provided, it states price and ISBN for each item. The reviews fall into four categories, highly recommended, recommended, recommended with reservations and new this year, not recommended. ED MS PR

#### In situ burning of oil in experimental ice leads

by H.M. Brown and R.H. Goodman. Ottawa : Environmental Studies Research Funds ; Esso Resources Canada Limited, 1987. vi, 27 p. : ill. Bibliogr. (Environmental Studies Research Funds report ; no. 064) ISBN 0-920783-63-5 MICROLOG 90-06984 1 fiche

Oil-spill cleanup in Arctic waters poses unique problems because of the presence of ice and the remoteness of potential spill sites. This work investigates the removal by burning of spilled oil in leads. Twenty-five burns of weathered Norman Wells crude were carried out under varying wind conditions in leads cut in an ice sheet at the Esso Resources ice test basin in Calgary, Alberta in February 1986. The tests were designed to evaluate the effects of wind herding, oil weathering, oil thickness, lead geometry, and the presence of brash ice on burning efficiency. The size of the facility allowed burning experiments to be carried out at essentially full scale. • CA EN EV NO SC

#### In situ testing of the thermal performance of wall sections in N.W.T.

G.K. Yuill and Associates. Ottawa : Canada Mortgage and Housing Corporation, 1989. 42 p. : ill. Bibliogr. MICROLOG 90-05769 1 fiche

An evaluation of the thermal performance of composite wall sections in Arctic housing was carried out over the 1988/89 heating season in



Rankin Inlet, Northwest Territories. The project involved in situ testing in 4 housing units that were of different styles and constructed in different years to determine if significant reductions in the insulating value of otherwise physically sound composite wall sections have occurred as a result of wall degradation caused by exposure to the harsh Arctic environment. Performance testing included inspections using infrared thermography equipment and continuous monitoring using guarded hot box calorimetry instrumentation. CA EN NO PS SC

**In the matter of the Ontario Energy Board Act and in the matter of a reference from the Lieutenant Governor in Council : Inter City Gas Corporation : change in ownership and control of ICG Utilities (Canada) Ltd. and ICG Utilities (Ontario) Ltd. : report of the Board**

Ontario Energy Board. Toronto : The Board, 1990. iii, 143 p. : ill. ISBN 0-7729-6660-5 MICROLOG 90-05017 2 fiche

On October 12, 1989, the Board was directed to hold a public hearing and report on whether Inter-City Gas Corporation should be granted leave. This document contains the Board's report and recommendations. EN ON PR

**In the matter of the Ontario Energy Board Act and in the matter of the Petroleum Resources Act, and in the matter of reference from the Minister of Natural Resources of application by Dow Chemical Canada Inc. permits for brine recovery in Moore Township : report of the Board**

Ontario Energy Board. Toronto : The Board, 1990. 33 p. : ill. ISBN 0-7729-7017-3 MICROLOG 90-06091 1 fiche

In 1988, Dow Chemical Canada Inc. applied for permits to drill wells, and for permission to inject water into these wells to recover salt from lands. The location of the wells and proposed salt recovery operations are within 1.6 km of 3 designated gas storage areas. In this hearing, the Board's primary concern is protection of the designated gas storage area from damage arising from the proposed operations, land and environmental impact, landowner concerns and future use of the brine caverns. This hearing covers those concerns and presents the results as handed down by the Board. EN ON PR SC

**In the matter of the regulation of First Investors Corporation Ltd.**

Halifax . Office of the Ombudsman, 1990. 142 p. MICROLOG 90-03275 2 fiche

This report relates to the investigation of complaints received from representatives of the 'Victims of Principal', an organization acting on behalf of residents of the province whose investments in First Investors Corporation Ltd. (FIC) were endangered as a result of the collapse of the Principal Group of Companies in Alberta. The focus is on the administration of securities legislation as it relates to the sale of investment contracts by FIC. AP JU PA PR

**In the Province of British Columbia, Royal Commission of Inquiry into the Alleged Improper Treatment of Robert and Francine Fullerton by Members of the Matsqui Police Department on or about July 15, 1985 : commissioners' report**

by J.D.N. Edgar, M.E. Saunders and A.L.

Moore. Victoria : The Commission, 1990. iii, 44 p. MICROLOG 90-05882 1 fiche

This report outlines the basic facts which led to and flowed from the complaints of Mr. and Mrs. Fullerton, the investigative procedures followed by the Matsqui Police department, and its consideration of the complaints. BC JU PR

**In-situ feeder pipe gamma spectrometry in support of PNGS unit 3 decontamination**

by A. Husain. Toronto : Ontario Hydro, Research Division, 1990. iii, 17 p. (Report ; no. 89-256-K) MICROLOG 90-06032 1 fiche

A 3-step decontamination of Pickering Nuclear Generating Station Unit 3 was performed from June to August 1989 in preparation for its refueling. The first step, a CAN-DECON treatment, was applied in June following partial defuelling of the reactor core; the second step, an oxidizing dilute alkaline permanganate treatment and the final CAN-DECON step were successively applied in August 1989 after complete removal of fuel from the reactor core. Gamma spectrometry of various primary heat transport system components was performed in support of the decontamination. Included were scans of 2 outlet and 2 inlet feeder pipes located in the west feeder cabinet. A recently developed technique was used to convert measured counts into radioisotope activity. This report describes briefly the pipe source calibration procedures undertaken and interpretation of spectral results, assesses the validity of measured activities and briefly examines the significance of the data. EN ON PR PS SC

**Incidence de la bureautique sur le travail, les travailleurs et les travailleuses et les lieux de travail : résumé**

par S. Clark...et al. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informationisation du travail, Direction de la recherche organisationnelle, 1988. 20 p. Bibliogr. ISBN 0-662-94890-4 MICROLOG 90-02335 1 fiche

Dans ce rapport, on analyse les conséquences de l'introduction d'un système informatique intégré dans un bureau. La recherche a été réalisée dans le cadre du programme Système de bureautique lancé par le gouvernement fédéral canadien en 1980. Pour étudier les conséquences de la mise en place du système de bureautique, l'équipe d'évaluation s'est penchée sur cinq domaines principaux: les attitudes au travail; le milieu de travail; la santé; les méthodes de travail et; l'acceptation par l'utilisateur. CA LA PS SC TE

**Incidence de la grenaille de plomb dans les gésiers de canards, d'oies et de bernaches récoltés au Québec**

par A.B. Lemay, R. McNicoll et R. Ouellet. Québec : Ministère du loisir, de la chasse et de la pêche, Direction de la gestion des espèces et des habitats, 1989. ix, 87 p. : ill. Bibliogr. ISBN 2-550-19879-4 MICROLOG 90-01792 2 fiche

Cette étude tente de dresser le portrait général de l'incidence de la contamination de la sauvagine par la grenaille de plomb dans les différentes régions du Québec. Elle fournit d'abord un aperçu du problème de la contamination et de ses effets biologiques sur la sauvagine à partir de la littérature existante. Puis, elle discute des avantages et des inconvénients liés au remplacement de la grenaille de plomb par la bille d'acier. La deuxième partie du document traite de l'échantillonnage et de l'analyse des gésiers récoltés dans l'ensemble des régions. Ainsi,

l'étude repose sur deux années de récolte de gésiers. AG EV PR QU SC

**Les Incidences du Traité sur les forces nucléaires à portée intermédiaire (FNI)**

par J. Boulden. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1990. 8 p. (Exposé ; no 31) L'éd. anglaise (The Implications of the INF Treaty) : 90-03382/1. ISBN 0-662-95856-X MICROLOG 90-06512 1 fiche

Le 8 décembre 1987, le président américain Reagan et le secrétaire général soviétique Gorbachev signaient à Washington le Traité sur l'élimination des missiles à portée intermédiaire et à courte portée. Ce traité, connu également sous le nom de Traité sur les FNI, représentait l'aboutissement de six années de négociations intermittentes entre les deux pays et innovait à bien des égards dans le domaine de la limitation des armements. Ce document décrit les conditions et les exigences énoncées dans le Traité, ainsi que la façon dont il sera appliqué. Il étudie également les nouveaux motifs d'inquiétude qui ont fait jour au sein de l'OTAN par suite de la conclusion du Traité. • CA EX

**Les Incidences du traitement de texte et de la saisie de données informatisées sur la quantité et la qualité des emplois des utilisatrices : résumé**

par J. David-McNeil et M. Garand. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informationisation du travail, Direction de la recherche organisationnelle, 1989. v, 61 p. : ill. Bibliogr. L'éd. anglaise (The Effects of word processing and...) : 90-04983/1. ISBN 0-662-95986-8 MICROLOG 90-04984 1 fiche

Ce document cherche à connaître et à analyser les perceptions qu'ont les travailleuses des effets positifs ou négatifs des technologies informatiques de saisie de données et de traitement de texte sur les caractéristiques et les conditions de leur travail. Les données ont été recueillies auprès de 229 employées de saisie de données et 187 préposées au traitement de textes. CA LA PS SC TE

**Incidences économiques et financières de la TPS : sommaire**

Ottawa : Ministère des finances, 1989. 14, 12 p. Bilingue (Economic and fiscal effects...). MICROLOG 90-02075 1 fiche

Cette note explique les estimations faites par le ministère des Finances des répercussions économiques et des répercussions sur les recettes des provinces de la TPS et présente des observations sur les motifs possibles pour lesquels les provinces en sont arrivées à des conclusions différentes. • CA CO

**Income and expenditure accounts : Northwest Territories, 1977-86**

compiled by Government of Northwest Territories, Bureau of Statistics. Yellowknife : Dept. of Culture and Communications, 1988. vi, 40 p. : ill. CSI 75102.200. ISBN 0-7708-2026-3 MICROLOG 90-02422 1 fiche

Describes what income and expenditure accounts are, what they include, and how they are organized, as well as uses of the accounts information. It highlights overall trends indicated by the NWT income and expenditure accounts. In addition, it supplies the accounts tables for Northwest Territories covering the period 1977-1986. Finally, it provides



explanatory notes of the income and expenditure accounts tables.  
CO NO PR

### Income insecurity : the disability income system in Canada

by S.R. Torjman. Toronto : G. Allan Roeher Institute, 1988. 141 p. Bibliogr. ISBN 0-920121-40-3  
MICROLOG 90-02887 2 fiche (Available on fiche only)

This study examines the programs of income support and explores the problems that both applicants and beneficiaries face in relation to these programs. It also recommends way in which these programs can be improved and proposes options for more adequate and equitable approaches to income support.

• CA CO HE LA SA

### The Incorporation of the reasonable use concept into the ground water management activities of the Ministry of the Environment

Ontario. Water Management Steering Committee. Working Group V. Toronto : Ministry of the Environment, Water Resources Branch, 1986. 22 p. ISBN 0-7729-5084-9  
MICROLOG 90-01991 1 fiche

This document establishes procedures for the determination of what constitutes reasonable use of ground water on property adjacent to sources of contaminants and explains the role of a reasonable use approach in the Ministry's various activities related to ground water quality. The document outlines the administrative and technical basis for adopting the reasonable use approach, defines terms and applies the reasonable use concept to the issuance of certificates of approval for proposed landfills, operating landfills, landfills requesting approval for expansion, exfiltration lagoons and large subsurface sewage systems.

EV NR ON PR SC

### Increases in risk and linear payoffs

by G. Dionne and L. Eeckhoudt. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 9 p. Bibliogr. (Publication ; no. 705) (Cahier ; 9019)  
MICROLOG 90-06635 1 fiche

Paper on the effect of increases in risk on optimal decision variables for the class of linear payoffs. The paper shows that the class of admissible increases in risk can be extended to obtain the desirable comparative statics properties. It proposes the definition of a 'relative weak increase in risk' and applies it to the case of the competitive firm with constant marginal costs and to the standard portfolio problem and the coinsurance problem.

CO PR PS QU SC

### Increasing housing choices : implementation guideline for the Land Use Planning for Housing Policy Statement

Toronto : Ministry of Municipal Affairs, Ministry of Housing, 1990. 32, 32 p. : ill. Bilingue (Directives de mise.). ISBN 0-7729-6600-1  
MICROLOG 90-05009 1 fiche

This policy statement came into effect on August 1, 1989. It was designed in consultation with municipalities across Ontario, the Association of Municipalities of Ontario, housing interest groups, a variety of housing experts and members of the development policy to identify timing deadlines for large urban centres in southern Ontario. This guideline provides a framework within which municipalities can tailor their own implementation of the Land Use Planning for Housing policy in land supply, streamlining the planning process, the range of housing types, residential intensification and monitoring. The appendix contains a list of the priority area municipalities, including specifying

those municipalities located within the CMAs of London, Windsor and Metropolitan Toronto. A glossary is included.  
ON PL PR SA SC

### Incubation

by B.S. Reinhart and A. Brunemeyer. Toronto : Ministry of Agriculture and Food, 1989. 29 p. : ill.  
MICROLOG 90-05298 1 fiche

Information on the use of incubation in small scale hatchery operations. The publication covers embryonic development, principal factors involved (temperature, humidity, ventilation, position and turning of eggs), physical care of the equipment during and after use, candling, and incubation time. While domestic poultry is the main concern, information is also given for waterfowl and game bird eggs.

AG ON PR SC

### Independence and control, today's dream, tomorrow's reality : review of support service needs of adults with physical disabilities

Centre for Research and Education in Human Services. Toronto : Ministry of Community and Social Services, 1988. xii, 188 p. Bibliogr.  
MICROLOG 90-03149 3 fiche

This review determines the nature of the support services needed by physically disabled adults to assist them to live in the community; outlines the Support Service Living Unit Program and the Attendant Care Outreach Program; assess the experience in other jurisdictions with various models of independent living assistance; and develops policy and program options for personal support services for physically disabled adults.

HE ON PR SA

### Index des rapports d'évaluation des mines : Yukon, 1988

par T.W. Caine et P.T. Marion. Ottawa : Affaires indiennes et du Nord Canada, Programme des affaires du Nord, 1988. 402 p. Bilingue (Index to mining...). CSI 22211.002 ISBN 0-662-56387-5  
MICROLOG 90-02031 5 fiche

Le présent index compte 3 441 rapports techniques touchant les forages au diamant, les levés géologiques, géophysiques et géochimiques, les études préliminaires et les études de faisabilité. Ces rapports ont été présentés comme preuves de l'exécution des travaux obligatoires dans les concessions minières et les zones visées par les permis de prospection. On y donne la liste des rapports confidentiels et publics, ainsi que la date (année, mois et jour) à laquelle les rapports confidentiels pourront être rendus publics. Au Yukon, les rapports d'évaluation sont rendus publics lorsque les concessions viennent à expiration. Les rapports présentés à la Commission de contrôle de l'énergie atomique demeurent confidentiels, à moins que la société qui les a présentés ne décide de les diffuser elle-même.

CA NO NR PS SC

### An Index of fruit cultivars tested or developed on the Canadian prairies

by C.G. Davidson. Ottawa : Agriculture Canada, Research Branch, 1989. 33 p. (Technical bulletin ; 1989-9E) ISBN 0-662-17284-1  
MICROLOG 90-01800 1 fiche

List of the major woody fruit cultivars developed or tested on the Canadian prairies, documenting their major characteristics, including historical information on those no longer grown. The list was compiled from reports from major prairie institutions and nurseries, and from personal correspondence. The checklist is organized alphabetically by cultivar name for each fruit type, and an

alphabetical listing which includes all fruit types is given.

• AG AL CA MS SC

### Index of hosts and associated fungi identified by the Forest Insect and Disease Survey in Ontario from 1967 to 1987, I : the pines

by D.T. Myren and C.N. Davis. Sault Ste. Marie, Ont. : Canadian Forestry Service, Great Lakes Forestry Centre, 1989. 83 p. (Information report ; O-X-395) ISSN 0832-7122 ISBN 0-662-16247-1  
MICROLOG 90-04476 1 fiche

List of all fungi found on pine hosts from 1967-87 by the Forest Insect and Disease Survey Unit. The list is arranged first by host and then by organism. An index of common names of hosts and of diseases gives access. A comprehensive index of all Latin binomials, including frequently used synonyms, is included.

• CA FO ON SC

### Index of hosts and associated fungi identified by the Forest Insect and Disease Survey in Ontario from 1967 to 1987, II : conifers other than pines

by C.N. Davis and D.T. Myren. Sault Ste. Marie, Ont. : Canadian Forestry Service, Great Lakes Forestry Centre, 1990. 109 p. (Information report ; O-X-406) ISSN 0832-7122 ISBN 0-662-17266-3  
MICROLOG 90-04474 2 fiche

List of all fungi found on conifers other than pine hosts from 1967-87 by the Forest Insect and Disease Survey Unit. The list is arranged first by host and then by organism. An index of common names of hosts and of diseases is given, along with a comprehensive index of all Latin binomials, including frequently used synonyms.

• CA FO ON SC

### Index of mineral processing projects, 1989-90

by N.D. Loucks and D.M. Doyle. Ottawa : Energy, Mines and Resources Canada, Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. vi, 97 p. (CANMET special publication ; SP90-1) Bilingue (Répertoire de projets sur le...). ISBN 0-660-55792-4  
MICROLOG 90-05993 2 fiche (Available on fiche only)

Second issue of this index which reports on the work done in 1989/90 to develop new or improved technology for the mineral processing sector of the mineral industry. The Index consists of a list of projects by organization and by operational categories. The listing by organization is from east to west and the commodity to which a project relates is given also. Project titles are described in the language in which they were received.

CA CM NR PS SC

### Index of mining technology projects, 1989

by R.T. Blake, R. Boyle and S. Bezeau. Ottawa : Canada Centre for Mineral and Energy Technology, 1989. vii, 241 p. (CANMET special publication ; SP89-8E) French ed. (Répertoire de projets en ) 90-06015/3 ISBN 0-660-13469-1  
MICROLOG 90-03366 3 fiche (Available on fiche only)

Annual index on R&D projects currently being carried out by mining companies, universities, federal and provincial agencies, and private sector organizations. The index lists projects by organization and subject category by province. Subject categories include administration, feasibility, surface technology, design, equipment, development, production, materials handling, services, ground control,



high technology, and processing. Information was gathered during the spring and summer of 1989.

CA CM NR PS SC

### Index of research in northern Alberta, 1975-89

Peace River, Alta. : Northern Alberta Development Council, 1989. 19 p. (Research report)

MICROLOG 90-03812 1 fiche

This list of research reports includes all studies or research activities sponsored directly or indirectly by the Northern Alberta Development Council or its secretariat, the Northern Development Branch. The index also includes studies which were cost-shared with other government departments, municipalities, industry or registered non-profit groups. Reports are listed by title.

AL NO PR SA

### Index of scientific and related publications of the Grain Research Laboratory : the first 75 years

Grain Research Laboratory (Canada). Winnipeg : The Laboratory, 1990. 102 p.

MICROLOG 90-06463 2 fiche

Lists scientific papers, miscellaneous papers, proceedings, chapters in books, and books edited. It provides an author index, and a subject index.

AG CA SC

### Index to assessment reports, open file maps, open file reports and publications for 1989

by N.A. Lytle and J.M. Freeman. Halifax : Dept. of Mines and Energy, 1990. viii, 70 p. (Report ; 90-2)

MICROLOG 90-05910 1 fiche

Bibliographic index to claim maps, assessment reports, exploration company and licensees, open file maps, open file reports, and publications. Indexes are included for NTS map numbers and authors. Items are listed by number.

AP NR PR PS SC

### Index to local government legislation

by I.M. Nykwist. Victoria : Ministry of Municipal Affairs, Recreation and Culture, 1990. vii, 113 p. ISBN 0-7726-1064-9

MICROLOG 90-03820 2 fiche

This Index lists statutory entities and subject matter found in the Municipal Act as well as references to approximately 180 B.C. statutes affecting local government.

BC JU PA PR

### Index to mining assessment reports : Yukon, 1988

by T.W. Caine and P.T. Marion. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1988. 402 p. *Bilingual (Index des rapports...)*. CSI 22211 002.

ISBN 0-662-56387-5

MICROLOG 90-02031 5 fiche

Index listing 3,441 technical reports covering diamond drilling, geological, geochemical and geophysical surveys; and preliminary and feasibility studies submitted as evidence of the performance of representation work on mineral claims and prospecting permits. Both confidential and released reports are listed with the pending release date (year, month and day) indicated for the confidential reports. Yukon assessment reports are released from confidential status when the claims lapse. Reports that were submitted through the Atomic Energy Control Board remain confidential unless released by the company which submitted them.

CA NO NR PS SC

### Index to mining assessment reports : Yukon, 1989

Ottawa : Indian and Northern Affairs Canada, 1989. 517 p. CSI 22211 002.

MICROLOG 90-03165 6 fiche

Catalogue of assessment reports received to the end of 1989, listed by catalogue number. Each citation includes title, author, date of publication, location, and status (confidential or non-confidential). Keywords are also given for each citation.

CA NO NR SC

### Index to non-confidential assessment reports : seventh supplement

Winnipeg : Manitoba Energy and Mines, Geological Services, 1990. 40 p. (Open file report ; OF86-5). CSI 41109 002.

MICROLOG 90-04822 1 fiche

Supplement covering all reports of work placed on open file from May 31, 1986 to May 15, 1990. The supplement lists the reports of work arranged by NTS area; indicates the reports by company name; lists the reports by claim name or author; and lists the reports by accession number and provides a brief summary of the contents of each.

MS NR PR SC

### Index to non-confidential assessment reports : sixth supplement

Winnipeg : Manitoba Energy and Mines, Mines Branch, Exploration Services Section, 1989. 34 p. (Open file report ; OF86-5)

MICROLOG 90-02077 1 fiche

This supplement lists the reports of work arranged by NTS area, indicates the reports on the basis of company name, lists the reports by claim name or number; and lists the reports by accession number and provides a brief summary of the content of each report.

MS NR PR SC

### Index to personal information, 1989-90

Government of Canada, Privacy Act. Ottawa : Supply and Services Canada, 1989. x, 578 p. *French ed (Répertoire des renseignements...)* : 90-02245/7. ISBN 0-662-17316-3

MICROLOG 90-02244 7 fiche

The Index provides a current description of personal information held by those federal government institutions which are subject to the Act. It describes all personal information collected through government programs.

CA JU

### Indian and Metis education policy from kindergarten to grade XII

Regina : Saskatchewan Education, 1989. 12 p. ill.

MICROLOG 90-03555 1 fiche

This document presents the education principles and policy. It also examines special needs in education, teacher and administrator pre-service and in-service, research and evaluation, liaison and coordination, and administration of programs. Appendices supply information on the five year action plan, and the principles and guidelines for Indian and Metis curriculum development.

ED MS NP PR

### The Indian food fishery of the Fraser River : 1989 summary

by A.L. Macdonald. New Westminster, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. v, 111 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences, no. 787). ISSN 0706-6465

MICROLOG 90-04977 2 fiche

Report on management plans for the Fraser River Indian food fishery (IFF) in 1989 and estimates of resultant effort, catch, and catch

per unit of effort of salmon and steelhead and sturgeon. The report provides a brief description of fishing areas and gear, an overview of management processes, an annual catch summary, details of data organization and interpretation, management plans, and tabulated estimates of weekly effort, catch, and catch per unit of effort.

• BC CA CF FI NP SC

### Indian Forest Lands Program, 1985-90 : accomplishments under FRDA I

Victoria : Forestry Canada, Pacific Forestry Centre, 1990. 4 p. (TreeTalk ; no. 8)

MICROLOG 90-03765 1 fiche

Bulletin explaining the Indian Forest Lands Program for 1985-90, and its achievements. The bulletin also gives a summary of the national native forestry symposium, held in November 1989 in Vancouver, describes the contracts used between the government and the bands; presents a summary of native forestry across Canada, and explains education opportunities in natural resource management in B.C.

• BC CA FO NP SC

### Indian government : its meaning in practice

by F. Cassidy and R.L. Bish. Lantzville, B.C. : Olchichan Books. Halifax : Institute for Research on Public Policy, 1989. xxvii, 186 p. Bibliogr. ISBN 0-88982-095-3

MICROLOG 90-00929 3 fiche

This document provides an insight into the practical dynamics of First Nations government. It shows how First Nations government, as it is practised by Indian people in Indian communities, can be integrated in a practical manner with the Canadian constitutional, federal system. The focus is on one group of aboriginal peoples, the members of Canada's approximately 580 Indian bands, particularly those who are citizens of First Nations bands in Quebec, Ontario, Manitoba, Alberta, and British Columbia. In addition the focus is on one set of governing arrangements: band and tribal councils and closely associated groups.

• CA CI NP

### Indian self-government

by W. Moss. Ottawa : Library of Parliament, Research Branch, 1989. 16 p. Bibliogr. (Current issue review ; 89-5E). *French ed. (L'Autonomie politique des Indiens) on the same fiche*. ISBN 0-660-13326-1

MICROLOG 90-01848 1 fiche

Provides background information on the issue, and discusses the Indian Act, the special committee on Indian self-government, legislative initiatives to recognize aboriginal self-government, policy issues and initiatives, and parliamentary action on this issue.

CA CI JU NP

### L'indice d'humidité et ses applications sur les lieux de travail

par D. Charron. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. 10 p. Bibliogr. ISBN 0-660-92663-6

MICROLOG 90-01134 1 fiche

L'indice d'humidité est couramment connu sous le nom d'humidex. L'humidex donne la mesure dans laquelle l'humidité, combinée à de hautes températures, contribue à réduire les propriétés qu'a l'organisme de se refroidir. Le document examine les points suivants: l'importance de l'humidité; les risques que comporte le travail en ambiance chaude; l'utilisation de l'humidex en milieu de travail pour surveiller les conditions qui peuvent causer des maladies dues à la chaleur; l'utilisation de l'humidex; l'interprétation de l'humidex, et, l'indice utilisé en milieu de travail pour surveiller les conditions qui peuvent causer des maladies dues à la chaleur.

• CA HE LA



**Indoor air quality in New Brunswick homes : radon and radon daughters**

Fredericton : Dept. of Health and Community Services, Radiation Protection Service, 1989. 8, 10 p. *Bilingual (Qualité de l'air...)*. MICROLOG 90-03198 1 fiche

Booklet on the nature and effects of radon in homes, as well as methods of measurement and control.

AP EV PR SC

**Indoor air quality survey : CMHC IAQ kit instructions**

Ottawa : Canada Mortgage and Housing Corporation, 1989. 22 p. : ill. MICROLOG 90-01625 1 fiche

Instructions for using the IAQ kit, including the use of PF-1 formaldehyde monitors, instructions for installing emitters and receivers and where to install them, return of emitters and receivers, and a data sheet.

CA EV PS SC

**Industrial directory : Restigouche Region, 1989**

Campbellton, N.B. : Restigouche Industrial Commission Inc., 1989. 68 p. *French ed. (Répertoire industriel : région...)* : 90-00260/1. MICROLOG 90-00261 1 fiche

Lists agricultural industries, manufacturing industries, construction industries, transportation industries, communication and other utility industries, wholesale trade industries, retail trade industries, business service industries, government service industries, and educational service industries. For each firm, this document provides information on the company and lists its products.

AP CO PR

**Industrial directory for Greater Moncton, 1989**

Moncton, N.B. : Moncton Industrial Development, 1989. iv, 68 p. MICROLOG 90-03756 1 fiche

Lists alphabetically over 600 Moncton area companies engaged in the manufacturing, processing, distribution, transportation, communication, and construction fields. It also includes a listing of head and regional offices. Its purpose is to facilitate visiting executive and sale representatives of other countries and provinces desiring to do business with Moncton establishments, and to acquaint resident companies with goods manufactured and distributed in the immediate Moncton area.

AP CO PR

**Industrial land use policy in Toronto**

Toronto (Ont.). Planning and Development Dept. Toronto : The Dept., 1989. 93 p. : maps. MICROLOG 90-02213 2 fiche

Evaluates industrial policies in the context of recent industrial activity; postulated future economic trends in the national, provincial and local economy; and changes in the structure of industry within Metropolitan Toronto and the Region. The report concludes with a proposed future direction for a coordinated industrial land use strategy.

MU ON PL

**Industrial mineral production and consumption in New Brunswick, vol. 1 : industrial minerals used primarily in the fertilizer industry**

prepared by ADI Limited ; under the Canada-New Brunswick Mineral Development Agreement ; for the Minerals and Energy Division, Dept. of Natural Resources and Energy. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. iv, 69 p. : ill. Bibliogr. (Open file report ; 89-36) ISSN 0712-4562 MICROLOG 90-00790 1 fiche

Volume 1 of a 6-volume review of industrial mineral supply and demand for New Brunswick (exclusive of granular and bedrock aggregate) for both producers and consumers. The review provides an assessment of the current supply/demand situation in the province and adjacent, reasonably accessible market areas to identify potential opportunities for market expansion and future development of indigenous industrial mineral resources, to indicate to various manufacturing industries where sources of such products are located, and to identify and document local market opportunities by showing producers where, in what quantities, and under what circumstances industrial minerals and industrial mineral-based chemicals are being utilized within the province and immediate surrounding area. This volume addresses polash, sulphur and phosphate rock.

AP NR PR SC

**Industrial mineral production and consumption in New Brunswick, vol. 2 : industrial minerals used primarily in the construction industry**

prepared by ADI Limited ; under the Canada-New Brunswick Mineral Development Agreement ; for the Minerals and Energy Division, Dept. of Natural Resources and Energy. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. iv, 220 p. : ill. Bibliogr. (Open file report ; 89-37) ISSN 0712-4562 MICROLOG 90-00791 3 fiche

Volume 2 of a 6-volume review of industrial mineral supply and demand for New Brunswick (exclusive of granular and bedrock aggregate) for both producers and consumers. The review provides an assessment of the current supply/demand situation in the province and adjacent, reasonably accessible market areas to identify potential opportunities for market expansion and future development of indigenous industrial mineral resources, to indicate to various manufacturing industries where sources of such products are located, and to identify and document local market opportunities by showing producers where, in what quantities, and under what circumstances industrial minerals and industrial mineral-based chemicals are being utilized within the province and immediate surrounding areas. This volume addresses common clay/brick shale/expanded shale, gypsum, silica, dimension stone, cement and cement products, bentonite, pyrophyllite and talc.

AP NR PR SC

**Industrial mineral production and consumption in New Brunswick, vol. 3 : industrial minerals used primarily in the chemical and pulp and paper industries**

prepared by ADI Limited ; under the Canada-New Brunswick Mineral Development Agreement ; for the Minerals and Energy Division, Dept. of Natural Resources and Energy. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. iv, 223 p. : ill. Bibliogr. (Open file report ; 89-38) ISSN 0712-4562 MICROLOG 90-00795 3 fiche

Volume 3 of a 6-volume review of industrial mineral supply and demand for New Brunswick (exclusive of granular and bedrock aggregate) for both producers and consumers. The review provides an assessment of the current supply/demand situation in the province and adjacent, reasonably accessible market areas to identify potential opportunities for market expansion and future development of indigenous industrial mineral resources, to indicate to

various manufacturing industries where sources of such products are located, and to identify and document local market opportunities by showing producers where, in what quantities, and under what circumstances industrial minerals and industrial mineral-based chemicals are being utilized within the province and immediate surrounding areas. This volume addresses limestone/dolomite/lime, salt, diatomite, graphite, kaolin, barite, beryllium, feldspar, manganese dioxide and titanium dioxide.

AP NR PR SC

**Industrial mineral production and consumption in New Brunswick, vol. 4 : the future of industrial minerals : general trends in consumption and transportation**

prepared by ADI Limited ; under the Canada-New Brunswick Mineral Development Agreement ; for the Minerals and Energy Division, Dept. of Natural Resources and Energy. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. vi, 51 p. Bibliogr. (Open file report ; 89-39) ISSN 0712-4562 MICROLOG 90-00794 1 fiche

This document identifies potential opportunities for market expansion and future development of indigenous industrial mineral resources. It also indicates where sources of various industrial mineral products are located in the province, and identifies and documents local market opportunities by showing producers where, in what quantities, and under what circumstances industrial minerals and industrial mineral-based chemicals are being utilized within the province and immediate surrounding areas.

AP NR PR SC

**Industrial mineral production and consumption in New Brunswick, vol. 5 : directory of New Brunswick industrial minerals producers**

prepared by ADI Limited ; under the Canada-New Brunswick Mineral Development Agreement ; for the Minerals and Energy Division, Dept. of Natural Resources and Energy. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. vi, 71 p. : ill. (Open file report ; 89-40) ISSN 0712-4562 MICROLOG 90-00793 1 fiche

Identifies potential opportunities for market expansion and future development of indigenous industrial mineral resources. It also indicates where sources of various industrial mineral products are located in the province, and identifies and documents local market opportunities by showing producers where, in what quantities, and under what circumstances industrial minerals and industrial mineral-based chemicals are being utilized within the province and immediately surrounding areas.

AP NR PR SC

**Industrial mineral production and consumption in New Brunswick, vol. 6 : directory of consumers of industrial minerals in Eastern Canada and the Northeastern United States**

prepared by ADI Limited ; under the Canada-New Brunswick Mineral Development Agreement ; for the Minerals and Energy Division, Dept. of Natural Resources and Energy. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. v, 178 p. : maps. (Open file report ; 89-41) ISSN 0712-4562 MICROLOG 90-00792 2 fiche

Volume 6 of a 6-volume review of industrial



mineral supply and demand for New Brunswick (exclusive of granular and bedrock aggregate) for both producers and consumers. The review provides an assessment of the current supply/demand situation in the province and adjacent, reasonable accessible market areas to identify potential opportunities for market expansion and future development of indigenous industrial mineral resources, to indicate to various manufacturing industries where sources of such products are located, and to identify and document local market opportunities by showing producers where, in what quantities, and under what circumstances industrial minerals and industrial mineral-based chemicals are being utilized within the province and immediate surrounding areas. This volume presents a directory of industrial mineral consumers situated in a market area reasonably accessible to a New Brunswick producer and arranged by level of accessibility. AP NR PR SC

### Industrial Property Taxation Task Force report

submitted to the Ministers of Economic Development & Trade, Municipal Affairs and Education. Edmonton : The Task Force, 1989. 2 v. Bibliogr. Contents: Vol. 1 : Findings and resolutions -- vol. 2 : Technical report. MICROLOG 90-04588 2 fiche

This document contains two volumes. Volume I covers the key findings of the work program, a review of issues considered by the Task Force, and their findings, resolutions, and recommendations. Volume II, the technical report, contains the data and findings resulting from the Issue Guidelines provided to the Working Group by the Task Force. AL CO PA PR

### Industrial relations legislation in Canada

Ottawa : Labour Canada, 1990. iii, 64 p. : ill. French ed. (La Législation en matière...) : 90-03582/2. ISBN 0-660-13425-X MICROLOG 90-03581 2 fiche

Summary in tabular form of the major industrial relations provisions existing in the various jurisdictions across Canada, including the provisions on certification of trade unions, government intervention during unsuccessful negotiations, prerequisites to legal strikes, strike votes, strike replacements, and legislation pertaining to the payment of union dues. The report also gives a narrative description of technological change legislation existing in certain jurisdictions. The legislation studied in this report covers workers in general and does not include special statutory provisions often applying to workers in the construction industry and to employees in the public and parapublic sectors such as public servants, teachers, hospital workers, policemen, and firefighters. CA JU LA

### Industrial waste audit and reduction manual : a practical guide to conducting an in-plant survey for waste reduction -- 2d ed.

edited by John Richmond. Toronto : Ontario Waste Management Corporation ; Canviro Consultants Ltd., 1989. 91 p. : ill. ISBN 0-7729-5851-3 MICROLOG 90-04576 1 fiche

Guide to conducting a waste audit by understanding the processes in the plant, defining process inputs and outputs, conducting a material balance study, identifying waste reduction alternatives, conducting a cost/benefit analysis, and implementing an action plan. Case studies using a printed circuit board manufacturing plant, a steel pickling plant, and a detergent manufacturing plant are included. EV ON PR SC

### Industrial waste reduction, 4Rs : services to help industries manage hazardous waste : reduce, reuse, recycle, recover

Toronto : Ontario Waste Management Corporation, 1989. 6 p. : ill. MICROLOG 90-02909 1 fiche

Pamphlet giving reasons to reduce, reuse, recycle and recover industrial waste, along with approaches and techniques for doing so. EV ON PR SC

### Industrial zoning : reports to council

Vancouver, B.C. : Vancouver Planning Dept., 1987. 22 p. : maps. MICROLOG 90-03104 1 fiche

Presents an overview of industrial zoning, a report on new industrial zoning, a report on new industrial use terms, a report on rezoning south of Granville Island, a report on the Marine Drive Industrial District Review, and a report on Fraserview Review. It also provides conclusions at the end of the document. BC MU PL

### L'industrie canadienne du pétrole : examen de l'activité 1989 : premier semestre

Ottawa : Agence de surveillance du secteur pétrolier Canada, 1989. 101 p. : ill. CSI 22167.003F. ISBN 0-662-95789-X MICROLOG 90-02942 2 fiche

Ce document décrit le rendement financier de l'industrie canadienne du pétrole et du gaz au cours du premier semestre de 1989. Il porte particulièrement sur les points suivants: le rendement financier; les sources et affectations de fonds; la comparaison du rendement (industrie pétrolière et autres industries); les mouvements internationaux de trésorerie, 1988 et 1987; la structure du Capital, 1988 et 1987; et, les données relatives à l'impôt sur le revenu, 1988 et 1987. CA CO EN NR SC ST

### L'industrie canadienne du textile : étude des ressources humaines

Canada. Emploi et immigration Canada (Ministère). Direction des perspectives du marché du travail et analyse structurelle. Recherche et études spéciales. Ottawa : Emploi et immigration Canada, 1988. ix, 61, ix, 56 p. : ill. Bilingue (Canadian textiles industries...). MICROLOG 90-00780 2 fiche

L'étude des ressources humaines dans l'industrie textile et la bonneterie au Canada vise deux principaux objectifs: examiner l'incidence de l'évolution de la concurrence internationale sur l'industrie canadienne et, évaluer et prévoir les conséquences de cette évolution pour l'avenir de cette industrie au chapitre de l'emploi et des besoins en compétences. L'étude est fondée sur des entrevues avec des dirigeants d'entreprises textiles et de bonneterie. Le rapport porte sur quatre principaux thèmes: l'évolution de la concurrence et de la technologie dans l'industrie textile internationale; la performance et les marchés de l'industrie canadienne; les tendances du niveau et de la nature de l'emploi dans l'industrie; les conséquences de l'évolution de la technologie et de la concurrence pour l'éducation et la formation des employés actuels et futurs de l'industrie. Finalement, l'étude tire diverses conclusions concernant l'industrie canadienne du textile. CA LA

### L'industrie de l'accueil en Ontario : ses besoins en matière de ressources humaines et de formation

étude effectuée par Laventhol & Horwath Management Consultants pour le comité directeur. Toronto : Ministère de la formation

professionnelle ; Ministère du tourisme et des loisirs ; Ministère des collèges et universités, 1990. 151 p. : ill. L'éd. anglaise (Human resource and training...) : 90-07077/2. Sommaire (9, 2) inclus. CSI 55131.206F. ISBN 0-7729-6314-2 MICROLOG 90-07078 2 fiche

Cette étude sur les besoins en ressources humaines et en formation de l'industrie de l'accueil en Ontario est née des préoccupations de cette industrie concernant ses problèmes importants au plan de la main-d'oeuvre et les mesures à prendre pour y remédier. Pour aider l'industrie à résoudre ces difficultés, les ministères ontariens de la Formation professionnelle, du Tourisme et des Loisirs, et des Collèges et Universités, ont chargé une équipe de travail d'effectuer une étude ayant les objectifs suivants: déterminer l'état actuel de l'industrie de l'accueil en ce qui a trait à l'embauche d'un nombre suffisant d'employés qualifiés; évaluer la façon dont cette situation pourrait changer au cours des trois ou cinq prochaines années; et, déterminer les lacunes et les possibilités de remédier à toute pénurie de main-d'oeuvre qualifiée par le biais de programmes de formation ou d'autres mesures. Ce document présente un sommaire des besoins en matière de ressources humaines et de formation dans l'industrie de l'accueil en Ontario. CU LA ON PR ST

### L'industrie de la palette de manutention en bois au Québec : profil sectoriel

par A. Duquet. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Direction du développement industriel, Division des études industrielles, 1988. xix, 53 p. : ill. En tête du titre: Etude. ISBN 2-550-20176-0 MICROLOG 90-02799 1 fiche

Le profil sectoriel de l'industrie de la palette de manutention en bois présenté dans ce document a été établi à partir des renseignements fournis par toutes les entreprises de l'industrie en réponse à un questionnaire ou à l'occasion d'une rencontre avec l'auteur de l'étude. Les problèmes et les perspectives de développement sont abordés en même temps que la présentation des caractéristiques de cette industrie. Le répertoire des manufacturiers et le questionnaire sont reproduits en annexe. On considère comme faisant partie de l'industrie, les établissements spécialisés dans la fabrication de palettes de manutention en bois qu'on retrouve à la classification des activités économiques à la rubrique 'Industries des boîtes et palettes en bois'. Finalement, le document aborde les sujets suivants: les livraisons; la structure de l'industrie; les approvisionnements; l'utilisation de la capacité de production; les marchés; la main-d'oeuvre; et, la compétitivité et les performances financières. CO FO LA PR QU SC

### L'industrie de la pêche de l'île du Cap-Breton

Ottawa : Ministère des pêches et des océans, Direction de l'économie et de la coordination des programmes, 1989. vi, 57 p. : cartes géogr. (Rapport d'analyse économique et commerciale ; no 57) L'éd. anglaise (The Cape Breton Island...) : 90-04325/1. ISSN 0847-1185 ISBN 0-662-96158-7 MICROLOG 90-06184 1 fiche

L'économie de l'île du Cap-Breton repose beaucoup sur l'industrie de la pêche. Peu d'alternatives sont disponibles pour les communautés rurales dont l'économie rurale est basée uniquement sur la pêche. Les prises incluent le poisson de fond, les crustacés et les espèces pélagiques. Ce document porte sur l'industrie de la pêche de l'île du Cap-Breton et se penche particulièrement sur la vue d'ensemble; la



situation actuelle; l'aquiculture; la pêche sportive; les espèces sous-exploitées; et, les données statistiques.

● AP CA CF FI SC

**L'Industrie forestière du Canada : les vingt prochaines années : perspectives et priorités, II : l'offre et la demande mondiales**

rédigé par: Woodbridge, Reed and Associates.  
Ottawa : Service canadien des forêts,  
Direction de l'économie, 1989. 183 p. : ill.  
ISBN 0-662-95758-X  
MICROLOG 90-03266 2 fiche

Cette étude porte sur les perspectives de la demande de produits forestiers existants et potentiels, sur la position concurrentielle actuelle et future des différents sous-secteurs de l'industrie au Canada et sur la disponibilité des ressources. Elle a pour but d'élaborer un scénario des demandes régionale et mondiale des produits forestiers et une évaluation de l'offre mondiale et régionale de bois rond industriel. On y étudie également certains autres facteurs importants susceptibles d'avoir une influence sur la demande et l'offre futures de ces produits comme des entraves et des stimulants au commerce (par exemple: des droits de douanes, des barrières non tarifaires et des mesures d'encouragement à l'exportation), des modes et des coûts de transport et des prévisions de la valeur des devises et des taux de change.

CA FO SC

**L'Industrie forestière du Canada : les vingt prochaines années : perspectives et priorités, III : les pâtes et papiers**

Woodbridge, Reed and Associates. Ottawa : Service canadien des forêts, Direction générale de l'industrie, du commerce et de la technologie, Direction de l'économie, 1988. ii, 366 p. : ill., cartes géogr. ISBN 0-662-95759-8  
MICROLOG 90-03409 4 fiche

Cette étude du secteur des produits forestiers du Canada a été commandée par le Service canadien des forêts. Elle a pour but d'évaluer le potentiel de développement de ce secteur. Elle porte sur les perspectives de la demande de produits forestiers existants et potentiels, sur la position concurrentielle actuelle et future des différents sous-secteurs de l'industrie au Canada et sur la disponibilité des ressources. Cette étude est divisée en six tomes dont les titres sont les suivants: analyse stratégique; offre et demande mondiales; pâtes et papiers; produits de bois; hypothèses sur les matières premières; et, projections des coûts.

FO PR QU SC

**L'Industrie forestière du Canada : les vingt prochaines années : perspectives et priorités, IV : les produits de bois**

rédigé par: Woodbridge, Reed and Associates.  
Ottawa : Service canadien des forêts,  
Direction de l'économie, 1989. ii, 141 p. : ill.  
ISBN 0-662-95760-1  
MICROLOG 90-03265 2 fiche

Cette étude du secteur des produits forestiers du Canada a été commandée par le Service canadien des forêts. Elle a pour but d'évaluer le potentiel de développement de ce secteur. Elle porte sur les perspectives de la demande de produits forestiers existants et potentiels, sur la position concurrentielle actuelle et future des différents sous-secteurs de l'industrie au Canada et sur la disponibilité des ressources. Elle décrit de façon approfondie les perspectives commerciales et la position compétitive des produits de bois. L'analyse de produits et des marchés se termine par l'élaboration de scénarios de développement industriel aux plans nationaux et régionaux.

CA FO SC

**L'Industrie forestière du Canada : les vingt prochaines années : perspectives et priorités, V : hypothèses sur les matières premières**

rédigé par: Woodbridge, Reed and Associates.  
Ottawa : Service canadien des forêts,  
Direction de l'économie, 1989. i, 66 p. ISBN 0-662-95761-X  
MICROLOG 90-03264 1 fiche

Le but du tome V est de présenter des hypothèses relatives à l'augmentation des offres de fibre vierge au Canada jusqu'en 2010. Il porte particulièrement sur l'étendue des analyses du tome V; les conséquences des analyses; les limitations apparentes de la croissance du secteur de la fabrication; le sommaire de l'offre canadienne de fibre; le sommaire des hypothèses sur le coût de la fibre canadienne; les analyses régionales; et, les détails de l'offre canadienne et régionale de fibre.

CA FO SC

**L'Industrie forestière du Canada : les vingt prochaines années : perspectives et priorités, VI : projections des coûts**

rédigé par: Woodbridge, Reed and Associates.  
Ottawa : Service canadien des forêts,  
Direction de l'économie, 1989. i, 41 p. ISBN 0-662-95762-8  
MICROLOG 90-03263 1 fiche

Ce document indique les principaux coûts de fabrication et leurs tendances pour un certain nombre de produits de pâte et de papier. Son but est d'étudier chacun des principaux éléments des coûts (fibre, main-d'oeuvre, énergie, distribution et transport) et d'évaluer la position comparative actuelle et la position comparative future vraisemblable du Canada jusqu'en 2010.

CA FO SC

**L'Industrie laitière canadienne : l'intégration de la tradition et de la technologie**

Ottawa : Commission canadienne du lait ; Bureau laitier du Canada, 1989. 20 p. : ill.  
L'éd. anglaise (*The Canadian dairy industry...*) sur la même fiche. ISBN 0-662-95771-7  
MICROLOG 90-03254 1 fiche

La production laitière est l'une des activités agricoles les plus importantes du Canada puisqu'elle a généré au delà de 3,8 milliards de dollars en recettes monétaires agricoles pour les ventes de lait et de vaches laitières en 1988. Ce document se penche sur les points suivants: la production laitière; les produits laitiers; les responsabilités fédérales et provinciales; la salubrité et le contrôle de la qualité; la recherche et la technologie laitière; le Canada et le marché laitier mondial; et, la coopération.

AG CA SC

**L'Industrie minière du Québec, 1988**

Québec (Province). Service de l'économie minière. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Direction des communications, 1989. 130 p. : cartes géogr. CSI 66110.004. ISSN 0822-1170 ISBN 2-550-19698-8  
MICROLOG 90-00740 2 fiche

Les expéditions minérales du Québec sont restées sensiblement au même niveau que l'année précédente pour atteindre 2,72 milliards de dollars. Les baisses constatées dans les métaux (argent et cuivre) et les matériaux de construction (ciment) ont été partiellement compensées par la bonne tenue des minéraux industriels et particulièrement de l'amiante. Ce document présente une synthèse de l'activité minière en 1988, puis traite de l'investissement minier, de sa fiscalité et de son financement. Les mémentos de la deuxième partie du

rapport précisent ces données pour chacune des substances produites au Québec.  
CO NR PR QU SC ST

**L'Industrie minière au Manitoba**

Winnipeg : Énergie et mines Manitoba, 1987. vi, 46 p. : ill. Bibliogr. CSI 41109.202F.  
MICROLOG 90-02216 1 fiche

Cette publication présente un aperçu de la situation passée et actuelle de l'industrie minière au Manitoba, ainsi que des perspectives qui s'offrent à elle. On y trouve un exposé non technique du processus de l'exploitation minière ainsi qu'une explication du rôle que jouent les Directions des services géologiques et des mines d'Énergie et Mines Manitoba. La brochure se termine par un glossaire de termes techniques qu'il importe d'employer dans ce genre de publication.

EN MS NR PR SC ST

**L'Industrie québécoise de l'informatique : répertoire**

Québec : Gouvernement du Québec, Ministère de l'industrie, du commerce et de la technologie, 1989. 83 p. ISBN 2-550-19666-X  
MICROLOG 90-03262 1 fiche

Ce document présente le Répertoire des fabricants québécois de logiciels, de produits informatiques et bureautiques, ainsi que du secteur de l'instrumentation et de l'automatisation. Il porte principalement sur l'importance de l'industrie, la situation des entreprises répertoriées au Québec; les services informatiques; les produits des entreprises; les types d'ordinateurs utilisés; les classifications standards des logiciels et des secteurs d'utilisation; l'évolution des produits; la problématique québécoise; la situation canadienne; et québécoise; et, l'index et la liste des entreprises.

PR PS QU SC TE

**Industry overview : banks, 1989**

Ottawa : Office of the Superintendent of Financial Institutions Canada, 1989. 20 p. Bilingual (*Surviv...banques...*). CSI 22170.009. ISBN 0-660-55073-3  
MICROLOG 90-03039 1 fiche

Provides a summary of assets, liabilities, and income for the financial year ended October 31, 1988. It also includes 1988/1987 consolidated return of revenue and expenses.

CA CO ST

**Industry overview : property and casualty insurance companies, 1989**

Ottawa : Office of the Superintendent of Financial Institutions Canada, 1989. ix, 145 p. Bilingual (*Surviv...compagnies d'assurance de biens...*). CSI 22170.007. ISBN 0-660-55071-7  
MICROLOG 90-03037 2 fiche

Contains a report on Canadian companies, British companies, foreign companies, and premiums and claims by class and by company. It also includes summaries of premiums and claims by class of business, of direct and reinsurance premiums by type of company, by province of direct premiums written and direct claims incurred, and of selected financial data for five years.

CA CO ST

**Industry overview : trust and loan companies and co-operative credit associations, 1989**

Ottawa : Office of the Superintendent of Financial Institutions Canada, 1989. ix, 99 p. Bilingual (*Surviv...compagnies de fiducie...*). CSI 22170.008. ISBN 0-660-55070-9  
MICROLOG 90-03038 2 fiche



This document lists assets and liabilities, and presents financial statements for the trust and loan companies.  
CA CO ST

#### Industry profile : advertising services

Ottawa : Industry, Science and Technology Canada, 1988. 6, 6 p. *Bilingual (Profil de l'industrie : publicitaires)*. CSI 21149.255.  
MICROLOG 90-00897 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of advertising services, which include advertising agencies, media representatives, outdoor display and billboard advertising companies, and such other advertising services as copy writers, commercial artists, direct mail advertisers and researchers. Not included are the services of photographers, commercial production studios, photo-engravers, printers, models and others.  
CA SC ST TE

#### Industry profile : agricultural machinery

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. *Bilingual (Profil de l'industrie : matériel...)*. CSI 21149.256.  
MICROLOG 90-00899 1 fiche

This industry profile is one of a series of papers which provide a summary assessment of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper deals with the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the agricultural machinery industry.  
AG CA SC ST

#### Industry profile : animal feeds

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. *Bilingual (Profil de l'industrie : aliments...)*. CSI 21149.257.  
MICROLOG 90-00900 1 fiche

This industry profile is one of a series of papers which provide a summary assessment of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment and the competitiveness of the animal feed industry, including establishments primarily engaged in manufacturing complete feeds and pre-mixes (composed of vitamins, minerals and, sometimes, medications) and feed supplements (composed of pre-mixes and protein concentrates), but excludes those producing dehydrated alfalfa and pet food.  
AG CA SC ST

#### Industry profile : automotive parts

Ottawa : Industry, Science and Technology Canada, 1988. 9, 9 p. *Bilingual (Profil de l'industrie : pièces...)*. CSI 21149.258.  
MICROLOG 90-00901 1 fiche

This industry profile is one of a series of papers which provide summary assessments of

the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the automotive parts industry, consisting of companies producing a large variety of manufactured parts for use in the assembly of vehicles (original equipment market) or in vehicle repair (aftermarket).  
CA SC ST TR

#### Industry profile : automotive tires and tubes

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. *Bilingual (Profil de l'industrie : pneus...)*. CSI 21149.259.  
MICROLOG 90-00898 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strength and weaknesses, the changing environment and the competitiveness of the automotive tires and tubes industry.  
CA SC ST TR

#### Industry profile : brewing

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. *Bilingual (Profil de l'industrie : brasseries)*. CSI 21149.260.  
MICROLOG 90-00902 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the brewing industry.  
AG CA SC ST

#### Industry profile : buses

Ottawa : Industry, Science and Technology Canada, 1988. 7, 8 p. *Bilingual (Profil de l'industrie : autobus)*. CSI 21149.261.  
MICROLOG 90-00903 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of these papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the bus industry, which includes manufacturers of urban transit buses (including buses for special purpose users such as the physically disabled) and highway and intercity motor coaches.  
CA SC ST TR

#### Industry profile : commercial printing

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. *Bilingual (Profil de l'industrie : imprimerie...)*. CSI 21149.262.  
MICROLOG 90-00904 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account

technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the commercial printing industry, composed of establishments primarily engaged in the production of a wide variety of printed materials for all segments of the economy, but not including in-house printing plants.  
CA SC ST TE

#### Industry profile : computer services and software

Ottawa : Industry, Science and Technology Canada, 1988. 11, 12 p. *Bilingual (Profil de l'industrie : informatique)*. CSI 21149.217.  
MICROLOG 90-02034 1 fiche

In 1986, the 5578 establishments in the Canadian computer services and software industry employed 34,601 people and generated revenues estimated at \$2.85 billion. One-third of this total was accounted for by the data processing services; 28 percent by professional services, which include custom software; eight percent by software production development and 27 percent by the resale, rental and maintenance of EDP hardware and other operating revenue sources. This publication assesses, in a summary form, the current competitiveness of the computer services and software industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement.  
CA CO PS SC ST TE

#### Industry profile : construction contracting

Ottawa : Industry, Science and Technology Canada, 1988. 6, 6 p. *Bilingual (Profil de l'industrie : entrepreneurs...)*. CSI 21149.263.  
MICROLOG 90-00905 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the construction contracting industry, composed of firms and specialized tradespeople engaged in the building, renovation, repair and demolition of immobile structures and in the alteration of the natural topography.  
CA PL SC ST

#### Industry profile : construction machinery

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. *Bilingual (Profil de l'industrie : matériel...)*. CSI 21149.264.  
MICROLOG 90-00906 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the construction machinery industry, including manufacturers of earth-moving machinery, asphalt machinery, concrete machinery, and other road equipment such as road rollers.  
CA PL SC ST



**Industry profile : consulting engineering**

Ottawa : Industry, Science and Technology Canada, 1988. 9, 9 p. *Bilingual (Profil de l'industrie : ingénieurs-conseils)*. CSI 21149.265. MICROLOG 90-00907 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sector, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the consulting engineering industry, comprising firms primarily engaged in providing design services associated with the development and construction of capital projects. CA PS SC ST

**Industry profile : converted paper products**

Ottawa : Industry, Science and Technology Canada, 1988. 6, 6 p. *Bilingual (Profil de l'industrie : papier...)*. CSI 21149.266. MICROLOG 90-00908 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment and the competitiveness of the converted paper products industry, whose primary raw product is paper converted into packaging, specialty institutional paper products for the service industry, specialty commercial paper products for offices or commercial settings, and wallpapers. CA FO SC ST

**Industry profile : dairy products**

Ottawa : Industry, Science and Technology Canada, 1988. 6, 6 p. *Bilingual (Profil de l'industrie : produits...)*. CSI 21149.267. MICROLOG 90-00909 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment and the competitiveness of the dairy products industry, composed of manufacturers of pasteurized fluid milk and creams, and producers of industrial milk used in the making of such products as natural and processed cheese, creamery butter, condensed and evaporated milk, milk powder, ice cream, yogurt, frozen desserts such as sherbet, and fruit and yogurt-based drinks. AG CA SC ST

**Industry profile : distilling**

Ottawa : Industry, Science and Technology Canada, 1989. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : distillerie)*. CSI 21149.250. MICROLOG 90-00821 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S.

Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment and the competitiveness of the distilling industry. AG CA SC ST

**Industry profile : electrical wire and cable**

Ottawa : Industry, Science and Technology Canada, 1989. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : fils...)*. CSI 21149.249. MICROLOG 90-00820 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment and the competitiveness of the electrical wire and cable industry, which includes manufacturers of bare and insulated conductors for the transmission and distribution of electrical energy, and manufacturers of telephone cables, coaxial cables and fibre-optics cables for telecommunication applications. CA EN SC ST TE

**Industry profile : ferrous foundries**

Ottawa : Industry, Science and Technology Canada, 1988. 6, 6 p. *Bilingual (Profil de l'industrie : fonte...)*. CSI 21149.254. MICROLOG 90-00896 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment and the competitiveness of ferrous foundries, composed of iron and steel foundries which produce castings by a manufacturing process in which liquid metal is poured into a mould cavity, allowed to cool and solidify, and separated from the mould for finishing and use. CA NR SC ST

**Industry profile : fertilizer**

Ottawa : Industry, Science and Technology Canada, 1988. 8, 8 p. *Bilingual (Profil de l'industrie : engrais...)*. CSI 21149.253. MICROLOG 90-00895 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the fertilizer industry, composed of the producers of nitrogen, phosphorus and potassium. AG CA SC ST

**Industry profile : flour milling**

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. *Bilingual (Profil de l'industrie : meunerie)*. CSI 21149.252. MICROLOG 90-00894 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's

industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment and the competitiveness of the flour milling industry, which comprises firms that primarily mill wheat and other cereal grains such as corn and oats into flour and meal, and to a lesser extent blend flour into bakery mixes. AG CA SC ST

**Industry profile : fluids-handling and mechanical power-transmission equipment**

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : matériel...)*. CSI 21149.247. MICROLOG 90-00498 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants. CA CO EN SC ST

**Industry profile : freight forwarding**

Ottawa : Industry, Science and Technology Canada, 1988. 8, 8 p. *Bilingual (Profil de l'industrie : transitaires)*. CSI 21149.251. MICROLOG 90-00893 1 fiche

This industry profile is one of a series of papers which provide summary assessments of the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. Industry participants were consulted in the preparation of the papers. This paper covers the structure and performance, the strengths and weaknesses, the changing environment, and the competitiveness of the freight forwarding industry, which consists of companies which act on behalf of shippers to arrange transportation and traffic service requirements (packaging, storage, handling, export credits, insurance, documentation and customs clearance) for the delivery of goods. CA SC ST TR

**Industry profile : fruit and vegetable processing**

Ottawa : Industry, Science and Technology Canada, 1988. 8, 8 p. : ill. *Bilingual (Profil de l'industrie : transformation...)*. CSI 21149.246. MICROLOG 90-00497 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants. AG CA CO SC ST

**Industry profile : guided urban mass transit**

Ottawa : Industry, Science and Technology, 1988. 7, 8 p. : ill. *Bilingual (Profil de l'industrie : transport...)*. CSI 21149.245. MICROLOG 90-00496 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants. CA CO SC ST TR



# Industry profile : jewellery

Ottawa : Industry, Science and Technology  
Canada, 1988. 6, 6 p. : ill. *Bilingual (Profil de l'industrie : bijouterie)*. CSI 21149.244.  
MICROLOG 90-00495 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO PS SC ST

# Industry profile : light motor vehicles

Ottawa : Industry, Science and Technology  
Canada, 1988. 9, 9 p. : ill. *Bilingual (Profil de l'industrie : automobiles)*. CSI 21149.243  
MICROLOG 90-00494 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO SC ST TR

# Industry profile : machine tools and tooling

Ottawa : Industry, Science and Technology  
Canada, 1988. 8, 8 p. : ill. *Bilingual (Profil de l'industrie : machines...)*. CSI 21149.242.  
MICROLOG 90-00493 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO PS SC ST

# Industry profile : major appliances

Ottawa : Industry, Science and Technology  
Canada, 1988. 5, 5 p. : ill. *Bilingual (Profil de l'industrie : appareils...)*. CSI 21149.241.  
MICROLOG 90-00492 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO EN SC ST

# Industry profile : malting

Ottawa : Industry, Science and Technology  
Canada, 1988. 6, 6 p. : ill. *Bilingual (Profil de l'industrie : malterie)*. CSI 21149.240  
MICROLOG 90-00491 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
AG CA CO SC ST

# Industry profile : market pulp

Ottawa : Industry, Science and Technology  
Canada, 1988. 6, 6 p. : ill. *Bilingual (Profil de l'industrie : pâte...)*. CSI 21149.238.  
MICROLOG 90-00489 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO FO SC ST

# Industry profile : metal rolling mill and welding equipment

Ottawa : Industry, Science and Technology  
Canada, 1988. 6, 6 p. : ill. *Bilingual (Profil de l'industrie : matériel...)*. CSI 21149.239  
MICROLOG 90-00490 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO PS SC ST

# Industry profile : nickel smelting and refining

Ottawa : Industry, Science and Technology  
Canada, 1988. 8, 8 p. : ill. *Bilingual (Profil de l'industrie : nickel...)*. CSI 21149.237.  
MICROLOG 90-00488 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO NR SC ST

# Industry profile : non-ferrous semi-fabricated products

Ottawa : Industry, Science and Technology  
Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : métaux...)*. CSI 21149.236.  
MICROLOG 90-00487 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO NR SC ST

# Industry profile : oilseed crushing

Ottawa : Industry, Science and Technology  
Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : trituration...)*. CSI 21149.235.  
MICROLOG 90-00486 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
AG CA CO SC ST

# Industry profile : on- and off-highway medium/heavy-duty trucks

Ottawa : Industry, Science and Technology  
Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : camions...)*. CSI 21149.233.  
MICROLOG 90-00484 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO SC ST TR

# Industry profile : pharmaceuticals and medicines

Ottawa : Industry, Science and Technology  
Canada, 1988. 7, 8 p. : ill. *Bilingual (Profil de l'industrie : médicaments...)*. CSI 21149.234.  
MICROLOG 90-00485 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the

Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO LS SC ST

# Industry profile : plastics and rubber machinery

Ottawa : Industry, Science and Technology  
Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : articles...)*. CSI 21149.232.  
MICROLOG 90-00483 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO SC ST

# Industry profile : poultry and egg processing

Ottawa : Industry, Science and Technology  
Canada, 1988. 6, 6 p. : ill. *Bilingual (Profil de l'industrie : oeufs...)*. CSI 21149.231.  
MICROLOG 90-00482 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
AG CA CO SC ST

# Industry profile : publishing

Ottawa : Industry, Science and Technology  
Canada, 1988. 8, 8 p. : ill. *Bilingual (Profil de l'industrie : édition)*. CSI 21149.230.  
MICROLOG 90-00481 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO SC ST TE

# Industry profile : shipbuilding and ship repair

Ottawa : Industry, Science and Technology  
Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : construction...)*. CSI 21149.229.  
MICROLOG 90-00480 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO SC ST TR

# Industry profile : small portable electrical appliances

Ottawa : Industry, Science and Technology  
Canada, 1988. 6, 6 p. : ill. *Bilingual (Profil de l'industrie : appareils...)*. CSI 21149.228.  
MICROLOG 90-00479 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO EN SC ST

# Industry profile : soap and cleaning compounds

Ottawa : Industry, Science and Technology  
Canada, 1988. 6, 6 p. : ill. *Bilingual (Profil de l'industrie : savon...)*. CSI 21149.227.  
MICROLOG 90-00478 1 fiche



The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO PS SC ST

#### Industry profile : sound recordings

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : enregistrements...)*. CSI 21149.226. MICROLOG 90-00477 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO PS SC ST

#### Industry profile : specialty vehicles

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : véhicules...)*. CSI 21149.224. MICROLOG 90-00475 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO SC ST TR

#### Industry profile : starch

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : amidon)*. CSI 21149.225. MICROLOG 90-00476 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
AG CA CO SC ST

#### Industry profile : structural wood-based panel products

Ottawa : Industry, Science and Technology Canada, 1988. 8, 8 p. *Bilingual (Profil de l'industrie : panneaux...)*. CSI 21149.220. MICROLOG 90-03284 1 fiche

One of a series of papers which summarizes and assesses the current competitiveness of Canada's industrial sectors, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. free trade agreement. Industry participants were consulted in the preparation of the papers. This paper deals with the structural wood-based panel products industry, composed of softwood plywood and waferboard/oriented strandboard.  
CA FO SC ST

#### Industry profile : surveying and mapping services

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : arpentage...)*. CSI 21149.202. MICROLOG 90-00471 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO PS SC ST

#### Industry profile : toys and games

Ottawa : Industry, Science and Technology Canada, 1988. 5, 6 p. : ill. *Bilingual (Profil de l'industrie : jeux...)*. CSI 21149.216. MICROLOG 90-00472 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
CA CO ST

#### Industry profile : wineries

Ottawa : Industry, Science and Technology Canada, 1988. 7, 7 p. : ill. *Bilingual (Profil de l'industrie : entreprises...)*. CSI 21149.248. MICROLOG 90-00474 1 fiche

The profile assesses, in a summary form, the current competitiveness of this industry, taking into account technological and other key factors, and changes anticipated under the Canada-U.S. Free Trade Agreement. The paper was prepared in consultation with industry participants.  
AG CA CO SC ST

#### Industry trends to the year 2000

by T. Droppo. Winnipeg : Manitoba Agriculture, 1989. 5 p. MICROLOG 90-01444 1 fiche

Covers the milk marketing system; dairy facilities; herd size, production, numbers; family farm transfers; supplementary farm income; computerization and record keeping; advisory support; service groups; upgrading producer skills; feeding management; genetic improvement; milk recording; awareness of marketplace trend; biotechnology and new products; capital purchases; environmental protection; and animal welfare.  
AG CO MS PR

#### Infection control guidelines : antimicrobial utilization in health care facilities

see Guidelines for antimicrobial utilization in health care facilities

#### L'inférence des taux marginaux d'impôt à partir des cours boursiers

par J.-M. Gagnon, J.-M. Suret et D. Morissette. Ottawa : Conseil économique du Canada, 1987. xi, 66 p. Bibliogr. (Document ; no 325) ISSN 0225-8021 MICROLOG 90-06650 1 fiche (Available on fiche only)

La fiscalité joue un rôle important en théorie financière. En effet, le principe de la maximisation de la valeur boursière des actions implique que le gestionnaire adapte ses politiques aux désirs des investisseurs et, par conséquent, tienne compte non seulement de l'impôt des sociétés mais également de celui des particuliers. Au début de chacune des sections, le document expose les modèles avant de les adapter à la fiscalité canadienne. Ensuite, il les applique à des données de ce pays, pour obtenir des estimations des taux d'impôt, dont les distributions de fréquence seront étudiées. Dans chaque cas, les modèles sont soumis à trois tests: la vraisemblance des estimations obtenues, leur stabilité et les différences entre les taux attribués à divers groupes de contribuables.  
• CA CO

#### L'infertilité à l'heure de la procréatique, et la prévention?

par H. Bryant. Ottawa : Conseil consultatif canadien sur la situation de la femme, 1990. iii, 45 p. : ill. Bibliogr. (Document de référence ; DR 1989-3F) *L'éd. anglaise (The Infertility dilemma : reproductive...)* :

90-06116/1. ISBN 0-662-95853-5 MICROLOG 90-06117 1 fiche

Dans ce document de référence on examine d'abord les répercussions des nouvelles techniques de procréation mises en oeuvre pour traiter l'infertilité. Les approches préventives en matière d'infertilité, plus particulièrement leurs possibilités et leurs chances de réussite, sont ensuite examinées. Enfin, on fait le point sur les recherches qui s'imposent et sur les changements à apporter aux programmes sociaux pour pouvoir mettre l'accent sur les causes de l'infertilité plutôt que sur les remèdes à apporter.  
• CA HE LS SA SC

#### The Infertility dilemma : reproductive technologies and prevention

by H. Bryant. Ottawa : Canadian Advisory Council on the Status of Women, 1990. iii, 42 p. Bibliogr. (Background paper ; BP 1989-3E) *French ed. (L'infertilité à l'heure de la...)* : 90-06117/1. ISBN 0-662-17515-8 MICROLOG 90-06116 1 fiche

This paper provides an overview for the non-medical reader of the impact of new reproductive technologies which are designed to treat infertility. It also explores the possibilities and feasibility of developing preventive approaches to infertility. Finally, the paper outlines the future research requirements and changes in social policy which may facilitate such a shift in emphasis from cure to cause.  
• CA CI HE LS SA SC

#### Infestation of fish and shellfish by phytotoxins, with reference to countermeasures

by K. Hashimoto and T. Noguchi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences, no. 5409) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-01535 1 fiche

Paralytic shellfish poison, diarrhetic shellfish poison, and ciguatera poison are some of the phycotoxins infecting fish and shellfish, causing poisoning among people as well as death among fish. In all cases, some specific planktons produce the poison which poisons the plankton feeder bivalves. This paper describes these phycotoxins and the countermeasures adopted in Japan to meet the contamination.  
• CA CF FI SC

#### Inflation and the P.E.I. economy

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1983. 15 p. : ill. (Economic trends ; no. 18) MICROLOG 90-04873 1 fiche

The first Trends paper produced in 1980 addressed the subject of inflation. This document reviews trends since then in view of the apparent success of anti-inflationary policies in recent months.  
AP CO PR

#### Inflow/outflow model for net depletion of the Val Marie area

prepared by Charles Belhumeur ; submitted to Brian Yee. Regina : Environment Canada, Water Resources Branch, Saskatchewan District, 1989. iv, 26 p. : ill. Bibliogr. MICROLOG 90-02436 1 fiche

In Saskatchewan, the Val Marie portion of the Frenchman River basin contains 2 reservoirs (Huff Lake and Newton Lake), 5 irrigation canals and 2 significant tributaries (Denniel Creek and Denniel Creek East Tributary). Since the Frenchman River is an international stream, a close tally of water usage must be kept to determine natural flow at the international boundary and to properly apportion the flow. At present in the Val Marie area, a



complex system of flow, level, gate and pump stations is used to determine net depletion. This report examines the procedure and accuracy of net depletion calculations using the proposed system of stations.  
CA EV MS SC

**L'influence de diverses variables, dont la prime au rendement, sur la productivité minière souterraine au Québec : annexe A**

par M. Lallamie et J.-L. Collins. Québec : Université Laval, Département de mines et métallurgie, 1990. 340 p. : ill. CANMET contract: 79182-01-SQ.  
MICROLOG 90-05641 4 fiche

Document présentant des graphes comprenant des renseignements tels: tonnes par quart-homme vs nombre de mineurs abattage chambres et piliers; tonnes par quart-homme vs nombre de mineurs abattage chambres remblayées; tonnes cassées vs livres d'explosifs abattage chambres et piliers; boni par pied de sous-niveau vs pieds de sous-niveau par quart-homme, tonnes déblayées vs période du relevé; et, nombre de quarts-hommes vs période mensuelle du relevé.  
• CA CM NR PS QU SC

**L'influence de diverses variables, dont la prime au rendement, sur la productivité minière souterraine au Québec : rapport final**

par M. Lallamie et J.-L. Collins. Québec : Université Laval, Département de mines et métallurgie, 1990. 253 p. Bibliogr. CANMET contract: 79182-01-SQ.  
MICROLOG 90-05642 3 fiche

Ce rapport porte sur la relation potentielle entre la productivité minière et la prime au rendement dans sept mines souterraines du Québec. Il examine particulièrement: l'ensemble des variables qui ont été analysées à chacune des mines; les analyses portant sur 2 ou 3 variables à la fois qui ont été réalisées pour chaque mine afin de tenter de cerner certains comportements irréguliers qui pourraient affecter le niveau de productivité; la méthode d'analyse de régression multiple en termes simples; les différents résultats obtenus lors des analyses de régression multiple pour les sept mines incluses dans ce rapport; les résultats statistiques des modèles d'estimation obtenus, commentés de façon générale, suivis d'une discussion portant sur les composantes des modèles; les modes de rémunération des travailleurs dans les mines souterraines du Québec; les divers modes d'attribution de ces primes salariales habituellement basées sur le rendement des mineurs; et, une conclusion générale faisant ressortir les principaux points soulevés au cours des travaux relatifs à ce projet, sous forme de tableau synthèse.  
• CA CM NR PS QU SC

**L'influence du type de poêle à bois sur le rendement**

par A.C.S. Hayden et R.W. Braaten. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires de recherche sur l'énergie, 1980. iii, 16 p. : ill. Bibliogr. (Rapport, ERP/ERL 80-46F(TR))  
Document présenté à la réunion annuelle du Canadian Wood Energy Institute.  
MICROLOG 90-06014 1 fiche

Le laboratoire canadien de recherche sur la combustion a mené une série d'expériences sur les appareils de chauffage au bois (poêles à bois) au moyen d'une méthode indirecte de perte de chaleur pour en mesurer les caractéristiques d'efficacité et de rendement. Un bon poêle à bois doit pouvoir fonctionner la plupart du temps à des niveaux d'air excédentaire et de température de fumée raisonnablement bas, sans émettre trop de produits de combustion incomplète. Des expériences ont été menées relativement à un

certain nombre de poêles à bois représentant les cinq types fondamentaux. Dans le texte qui suit, les résultats de ces expériences sont décrits et la relation entre la conception et le rendement discutée du double point de vue de l'efficacité et des émissions.  
• CA CM EN PL SC

**The Influence of abiotic factors on the swimming ability of hatchery-reared and wild juvenile pink salmon**

by V.E. Kaeva. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 2 p. (Canadian translation of fisheries and aquatic sciences ; no. 5462) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-00602 1 fiche

Description of an experiment which studied the swimming ability of 400 hatchery-reared fingerlings (the Lesnoi fish rearing station) and 350 naturally spawned downstream migrants (the Ochapukha River). The swimming ability was evaluated from the swimming time of young fish in a flow of 0.369 m/sec created in a hydrodynamic trough.  
• CA CF FI SC

**Influence of axle group spacing on pavement damage**

by J.J. Hajek and A.C. Agarwal. Toronto : Ministry of Transportation, Research and Development Branch, 1989. iii, 25 p. : ill. Bibliogr.  
MICROLOG 90-02019 1 fiche

The extent to which structural pavement damage is caused by heavy vehicles depends on such loading characteristics as axle loads, axle group configuration and spacing, load contact pressure, dynamic loading effects, and on their interactions. This study evaluated the influence of axle spacing on damage caused to flexible pavements and determined maximum weights on dual and triple axles which would cause the same damage, axle per axle, as that caused by a single axle with the maximum legal load. The study is based on measured pavement response data obtained during the course of an RTAC study and on calculated pavement responses using the elastic layer theory.  
ON PR SC TR

**The Influence of forest sector dependence on the socioeconomic characteristics of rural British Columbia**

by W.A. White, K.M. Duke and K. Fong. Victoria : Government of Canada, Canadian Forestry Service, Pacific Forestry Centre, 1989. iv, 26 p. Bibliogr. (Information report ; BC-X-314) ISSN 0830-0453 ISBN 0-662-17359-7  
MICROLOG 90-02609 1 fiche

The forest sector continues to be the dominant force in B.C.'s economy, particularly outside of the lower mainland and the southern tip of Vancouver Island. This report expands upon the work of White et al (1986) by analyzing data from the 1981 and 1986 censuses to determine the influence of forest sector dependence on labour force, income, education, and migration, in rural B.C.'s incorporated communities and territorial subdivisions.  
• BC CA CO FO SC

**The Influence of initial espacement on the growth of a 27 year old Sitka spruce plantation**

by J.C. Pollack, F. Van Thienen and P. LePage. Victoria : Ministry of Forests, 1990. vi, 13 p. : ill. Bibliogr. (Research note ; no. 104) ISSN 0226-9368 ISBN 0-7718-8909-7  
MICROLOG 90-04422 1 fiche

Individual tree and stand characteristics were determined in a 27-year-old plantation of Sitka

spruce near Terrace, B.C. Planting densities ranged from 478-2990 stems per hectare. Stand components examined include all stems per hectare; the largest 25% diameter at breast height outside bark (dbhob) stems per hectare; and the largest 250 dbhob stems per hectare. Recommendations for optimum spacing are given.  
BC FO PR SC

**Influence of initial spacing on jack pine wood yield and quality : a literature review**

by F.W. Bell, W.D. Baker and R. Vassov. Thunder Bay, Ont. : Ministry of Natural Resources, Northwestern Ontario Forest Technology Development Unit, 1990. v, 26 p. : ill. Bibliogr. (Technical report ; no. 10)  
MICROLOG 90-07167 1 fiche

Regulation of stand density is one of the most effective methods for controlling the yield and quality of wood produced in plantations. There has recently been a three-fold increase in the number of hectares being planted to jack pine in northwestern Ontario, raising questions regarding the initial spacing regimes on the quantity and quality of wood produced. This paper reviews the current literature regarding the influence of initial density on jack pine yield and quality and provides a summary of initial spacings suggested in the literature for jack pine pulpwood and sawlog crops.  
FO ON PR SC

**Influence of theobromine on heat production and body temperatures in cold-exposed humans : a preliminary report**

by A.L. Vallerand, L.C.H. Wang and I. Jacobs. Downsview, Ont. : Defence and Civil Institute of Environmental Medicine, 1989. 31 p. : ill. (DCIEM research report ; no. 89-RR-50)  
MICROLOG 90-01828 1 fiche

One of the most successful class of drugs employed to enhance cold tolerance in animals appears to be the methylxanthines such as caffeine, theophylline and theobromine. These drugs increase heat production and delay hypothermia, thus improving cold tolerance. The influence of theobromine was investigated in 8 healthy young male subjects during 2 semi-nude exposures to cold air (3h, 7°C, 1 m/s wind speed). The ingestion of theobromine (7.5 mg/kg at min 0; double-blind placebo-controlled trial) produced 2 different types of responses.  
• CA EX HE SC

**Information and suggested interview topics on the New Brunswick Christmas tree industry**

by B. Hamilton. Fredericton : Forest Extension Service, 1989. 14 p.  
MICROLOG 90-01717 1 fiche

Update on the New Brunswick Christmas tree industry, including production by the New Brunswick Christmas Tree Growers Co-Op Ltd., production levels and value of the industry, trends, and markets. General interest information for the public is also included, including selection and care, use for trees after the Christmas season, traditions and folklore, and an overview of tree farming.  
AP FO PR SC

**Information holdings : the Environment Canada approach**

Ottawa : Environment Canada, 1989. iv, 44, iv, 44 p. : ill. Bibliogr. Bilingual (Fonds de renseignements...)  
MICROLOG 90-02389 2 fiche

This document includes a background discussion about information, and provides definitions. It also covers the implementation strategy, implementation results, and a strategic action plan. It includes a strategy paper.  
CA EV SC



## Information on the Lobbyists Registration Act and regulations

Ottawa : Consumer and Corporate Affairs,  
Lobbyists Registration Branch, 1989. 17,  
18 p. Bilingual (Document d'information...).  
ISBN 0-662-56903-2  
MICROLOG 90-03236 1 fiche

Provides information to determine if a lobbyist  
needs to register under the Lobbyists  
Registration Act. It explains how and when to  
register.  
CA JU

## The Information society : its human dimension

by L. Deschênes. Laval, Que. : Dept. of  
Communications, Canadian Workplace  
Automation Research Centre, 1989. 26 p.  
Bibliogr. French ed. (La Société de  
l'information...) on the same fiche. ISBN  
0-662-17413-5  
MICROLOG 90-03230 1 fiche

Determines what impact the process of  
technology diffusion has on everyday life, with  
emphasis on the context of computerization and  
the changes it brings in the workplace.  
• CA SC TE

## Information technologies : business adaptability and free trade

by Y. Rabeau. Laval, Que. : Dept. of  
Communications of Canada, Canadian  
Workplace Automation Research Centre,  
Organizational Research Directorate, 1989. i,  
19 p. Bibliogr. Paper read at Vision  
technologique 89. French ed. (Technologie de  
l'information...) : 90-07008/1. ISBN  
0-662-17905-6  
MICROLOG 90-07049 1 fiche

The movement to free trade comes at a time  
when progress in information technologies is in  
an acceleration phase. With increased  
integration of the Canadian and American  
markets, penetration of information technologies  
will continue at a steady pace over the coming  
years. This document examines the relationship  
of information technologies, productivity, and  
free trade. It also addresses the second  
tematic revolution and free trade.  
• CA SC TE

## Information technologies in the Quebec government, 1987-88 : progress report and outlook

Québec : Gouvernement du Québec, Ministère  
des communications, Direction générale des  
technologies de l'information, 1989. 63 p. : ill.  
CSI 66118.005. ISBN 2-551-08376-1  
MICROLOG 90-04138 1 fiche

Report on information technologies in the  
Québec government, divided into the public  
sector, composed of the departments and  
certain agencies whose budgets are voted by  
the National Assembly, and those agencies  
whose budgets are not approved by the  
National Assembly, including government  
corporations, boards and administrative  
commissions. Data refers to the fiscal year  
1987-88. Coverage includes a general  
description of the organization of information  
technology in both sectors, in the Québec  
government itself, and in the business,  
municipal, health, education and household  
markets. The benefits of data processing in  
the government are addressed and major  
government concerns are identified. A  
glossary is included.  
PR QU SC ST TE

## Information technology trends report, 1988

Toronto : Management Board of Cabinet, 1988.  
iv, 24 p. : ill. CSI 55100.201. ISBN  
0-7729-4650-7  
MICROLOG 90-02584 1 fiche

Overview of trends in information technology  
use throughout the Ontario government, their  
relationship to general industry trends, and  
highlights of the information technology  
innovations introduced in the Ontario  
government from 1985-87. Statistics on  
expenditures and other data were collected  
from all ministries and then consolidated to  
identify historical trends in spending, staffing  
and technology penetration. While some  
comparative information is presented on  
individual ministries, the report does not provide  
a detailed examination of trends at the ministry  
level. Data used was collected from individual  
ministries in 1987-88, and covers actual  
expenditures from 1985-86 and 1986-87, and  
estimated expenditures in 1987-88. The central  
data was collected following the completion of  
the 1986-87 fiscal year.  
ON PR PS SC ST TE

## Information, communication and dissemination of knowledge : example, Infotish -- Rev.

by S.O. Olsen. Ottawa : National Research  
Council, Canada Institute for Scientific and  
Technical Information, 1988. vi, 92 p.  
Bibliogr. (Canadian translation of fisheries  
and aquatic sciences ; no. 5247) Originally  
published in Norwegian, by the Research  
Institute of Fishing Technology, Norway.  
ISSN 0704-3716  
MICROLOG 90-02718 2 fiche

Report on different aspects of securing,  
processing and disseminating information,  
beginning with a theoretical survey of the  
building and evaluation of an information system  
using various approaches but emphasizing the  
system theory by which relations between  
structures and processes are studied  
simultaneously and at different levels. The  
different dimensions, units or variables, and the  
relations between them, are structured into a  
single model for the study of market  
information systems. This theoretical  
framework is utilized for a case study of a  
project for market information and advisory  
services for fish and fish products in Asia and  
the Pacific region. The project, named Infotish,  
was initiated to help the countries in this area  
to build up a market-oriented fishing industry.  
The study of Infotish was carried out over 2  
months at the Kuala Lumpur headquarters of  
the project. Interviews were held with project  
staff and 4 regional offices were visited.  
Interviews were also conducted with 7 users of  
the project.  
• CA CF CO FI SC

## L'information, une ressource à partager : vingt années d'expérience du CRDI

éditeur: Shahid Akhtar. Ottawa : Centre de  
recherches pour le développement  
international, 1989. 117 p. : ill. Bibliogr.  
(Rapport manuscrit ; 240f)  
MICROLOG 90-03209 2 fiche (Available on  
fiche only)

Cette publication est consacrée exclusivement  
aux activités en matière d'information du Centre  
de recherches pour le développement  
international (CRDI). Les sept articles présentés  
examinent en profondeur des activités de la  
Division des sciences de l'information. Le  
premier est une introduction de Paul McConnell  
qui entre dans le vif du sujet en faisant  
l'historique du CRDI et en décrivant l'évolution,  
le mandat, les expériences passées et  
l'orientation de la Division des sciences de  
l'information (DSI).  
CA EX SC TE

## L'informatisation au quotidien : comportements et attitudes de la population canadienne face à l'informatique

par L. Deschênes. Laval, Québec :

Communications Canada, Centre canadien de  
recherche sur l'informatisation du travail,  
Direction de la recherche organisationnelle,  
1988. iv, 32 p. : ill. L'éd. anglaise  
(Computers in daily...) : 90-00685/1. ISBN  
0-662-95167-0  
MICROLOG 90-02845 1 fiche

Menée au printemps 1987, l'enquête CROP sur  
les attitudes et les comportements de la  
population canadienne face à l'informatique a  
d'abord permis d'établir qu'environ trois  
Canadiens sur dix utilisent aujourd'hui  
l'informatique dans l'une ou l'autre de leurs  
sphères d'activité. Alors que cette utilisation  
est surtout répandue au travail (17%), on la  
retrouve également présente dans le contexte  
domestique où elle rejoint 10% de la population.  
Le document se penche particulièrement sur  
l'utilisation de l'ordinateur, l'ordinateur au travail  
et l'ordinateur au foyer.  
CA PS SC TE

## L'informatisation du Québec : profil de la demande

par Alain Grisé ; en collaboration avec Lucie  
Noël et Luc Guay. Québec : Gouvernement du  
Québec, Ministère des communications, 1989.  
xvii, 206 p. : ill. Bibliogr. ISBN  
2-551-08466-0  
MICROLOG 90-04353 3 fiche

Ce rapport se veut une synthèse des  
principaux travaux (études de marché, rapports  
d'enquête, monographies, répertoires statistiques,  
etc.) réalisés depuis 1985 et portant sur les  
progrès de l'informatisation dans la société  
québécoise. Six grands secteurs y sont  
analysés: l'administration provinciale, les  
municipalités, le réseau de l'éducation, le  
réseau de la santé et des services sociaux,  
les entreprises et les ménages. Pour chaque  
secteur étudié, on a rassemblé des données  
d'ordre général sur la pénétration et l'utilisation  
de l'informatique: taux et rythme  
d'informatisation, nature et particularité des  
technologies en cause, dépenses et  
investissements en informatique, profil socio-  
démographique des utilisateurs, caractéristiques  
des équipements utilisés, comparaisons  
nationales et internationales, et stimulants et  
obstacles à l'informatisation. Ce rapport est un  
bilan qui fournit une première vision d'ensemble  
de l'évolution récente et des tendances actuelles  
de l'informatisation au Québec.  
PR PS QU SC TE

## L'informatisation et les emplois au cége Montmorency

par René Andrews et Antonin Tremblay ; avec  
la collaboration de Francine Rancourt. Laval,  
Québec : Ministère des communications,  
Centre canadien de recherche sur  
l'informatisation du travail, Direction de la  
recherche organisationnelle, 1988. vi, 127 p. :  
ill. L'éd. anglaise (Automation and jobs...) :  
90-04200/2. ISBN 0-662-95053-4  
MICROLOG 90-02846 2 fiche

L'objectif premier de la recherche effectuée au  
cége Montmorency par le CCRIT vise à  
déterminer l'incidence de l'informatisation sur les  
unités organisationnelles sélectionnées ainsi que  
sur les emplois au sein de ces unités. Pour  
ce faire, les quatre dimensions suivantes ont  
été considérées: les structures organisationnelles,  
le contenu des tâches, l'évaluation des emplois,  
et la rémunération. Les trois premières  
dimensions ont fait l'objet d'une analyse détaillée  
pour chacun des services sélectionnés. Les  
chapitres III à VI de ce rapport contiennent  
des renseignements sur chacune de ces  
dimensions. En ce qui a trait à la dimension  
intitulée rémunération, elle est traitée sous la  
forme de pistes ou d'hypothèses de recherche  
dans le chapitre VII.  
CA ED LA PS SC TE



**Infrared spectroscopic group analysis of solid aromatic multicomponent mixtures**

by H.H. Oelert. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 35 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5203) Originally published in German. ISSN 0704-3716 MICROLOG 90-02706 1 fiche

The methods of sample preparation for infrared spectroscopy of solids are discussed. A quantitative calculation of error as a function of sample homogeneity is described. Increments for determining structural groups in aromatic solids mixtures are calculated on the basis of infrared spectra of aromatic substances. A method of almost completely determining carbon distribution into various groups is described. The results obtained for three seam coals from the Ruhr region are used as examples of application  
● CA CF FI PS SC

**Infrasonic enhancement of heat transfer : preliminary report**

by B.G. Woods. Toronto : Ontario Hydro, Research Division, 1989. 23 p. : ill. Bibliogr. (Report ; no. 89-230-K) MICROLOG 90-03526 1 fiche

Claims have been made that infrasound can be used to significantly reduce the electricity consumption in a convection heating process (up to 94% reduction) by enhancing the rate of heat transfer. In response to these claims, preliminary lab tests were performed to evaluate the electricity savings potential of infrasound  
EN ON PR PS SC

**Inhibitory and stimulatory effects of Cu, Cd, Zn, Hg, and Se on microbial production of methyl mercury in sediments**

by T.A. Jackson. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. ii, 4 p. : ill. Bibliogr. (NHRI contribution ; no. 89033) Prepared for the Heavy Metals in the Environment international conference. ISSN 0838-1992 MICROLOG 90-06466 1 fiche

Micro-organisms in sediments vary widely in their requirements, limits of tolerance, and mutual interactions. The dominant species at any given time are those which are best adapted to the prevailing conditions, and a change in environment such as the introduction of a toxic pollutant may cause other, better adapted species to replace them, altering the character and activities of the microflora. This paper deals with effects of heavy metals and selenium on the microbial transformation of inorganic mercury (Hg) into methyl mercury (CH<sub>3</sub>Hg) in lake sediments. The paper treats the results of experimental study of effects of Cu, Cd, Zn, Hg, and Se on CH<sub>3</sub>Hg production in mud samples dredged from Clay Lake, Ontario, Tyrell Lake, Saskatchewan, and East Mynarski Lake, Manitoba in the Boreal forest zone of Canada.  
CA NR PS SC

**Initial environmental evaluation for the Mount Norquay ski area, 1988 development plan : final report**

by B. Beswick. Calgary, Alta. : Environment Canada, Canadian Parks Service, Western Region Office, Natural History Research Division, 1989. xi, 118 p. : ill. Bibliogr. MICROLOG 90-02394 2 fiche

Canadian Parks Service policy states that although no new ski areas were to be established in Canada's national parks, existing ski areas would be permitted to develop to the capacity of their legislated boundaries, with

environmental protection the main consideration. In June 1982, Banff Lifts Ltd. submitted a development plan for the Mount Norquay Ski Area. The most recent revision of the plan was submitted in September 1988. This initial environmental evaluation is a preliminary examination of the environmental considerations inherent in ski hill redevelopment and possible expansion. This report covers the project setting, the proposal, the existing environment and environmental impacts on climate, geology and landforms, soils, vegetation, hydrology and watershed, fish and wildlife, air quality, aesthetic resources, archaeological resources, people, recreation and land use, and hazardous natural phenomenon and public safety concerns; public consultation; and knowledge deficiencies.  
AL CA CU EV SC

**Initiating and supporting curriculum delivery and implementation : review of relevant literature**

Harvey Research Ltd. Edmonton : Alberta Education, 1988. ii, 69 p. Bibliogr. MICROLOG 90-03574 1 fiche

The purpose of this study is to determine how effective the current mechanisms for delivery of curriculum are, and to identify means for improving curriculum delivery and implementation to meet the needs of teachers more efficiently.  
AL ED PR

**Innovation and intellectual property rights in Canada**

Ottawa : Science Council of Canada ; Industry, Science and Technology Canada ; Consumer and Corporate Affairs Canada, 1990. 39 p. : ill. Bibliogr. (Discussion paper) French ed (L'Innovation et la propriété...) on the same fiche. ISBN 0-662-17599-9 MICROLOG 90-05422 1 fiche

In 1988, a major survey was commissioned regarding intellectual property rights in Canada and reporting on the attitudes and practices of more than 700 Canadian companies with respect to Canada's intellectual property rights system. The company survey was supplemented with more than 110 interviews with industry associations and research institutes across Canada. This discussion paper summarizes the findings of the company survey and focuses on the particular situation of advanced-technology companies. It puts the survey findings in the broad context of industrial innovation and intellectual property policy and law, at both the domestic and international levels. Findings of the association interviews are used to supplement the survey where appropriate.  
CA PS SC

**L'Innovation au Canada**

par Y. Van Ruskenveld. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 43, 39 p. : ill. Bibliogr. (Réalités canadiennes) Bilingue (Innovation in...). ISBN 0-662-56296-8 MICROLOG 90-00860 1 fiche

Document portant sur les points suivants: le rapport entre le Pabulum et le kérosène; l'innovation; la chaîne canadienne en matière d'innovation; les partenaires en innovation, dans l'industrie, dans les universités et dans le gouvernement; le travail et l'innovation; et les sources d'information du gouvernement fédéral sur l'innovation au Canada.  
CA PS SC

**L'Innovation et la propriété intellectuelle au Canada**

Ottawa : Conseil des sciences du Canada ; Industrie, sciences et technologie Canada ; Consommation et corporations Canada, 1990. 42 p. : ill. Bibliogr. (Document d'étude) L'éd anglaise (Innovation and intellectual...) sur la

même fiche. ISBN 0-662-95917-5 MICROLOG 90-05422 1 fiche

Ce document d'étude donne un résumé des résultats du sondage réalisé par l'entreprise, en portant une attention particulière aux entreprises de technologie de pointe. Il place les données du sondage dans le contexte général de la politique et des lois relatives à l'innovation industrielle et à la propriété intellectuelle, tant à l'échelle nationale qu'internationale. Les conclusions que le Conseil des sciences du Canada a tirées des entrevues viennent compléter les données du sondage.  
CA PS SC

**Innovation in Canada**

by Y. Van Ruskenveld. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 39, 43 p. : ill. Bibliogr. (About Canada) Bilingual (L'Innovation au...). ISBN 0-662-56296-8 MICROLOG 90-00860 1 fiche

One of a series of booklets dealing with Canada and its people. This booklet gives a general overview of innovation, the reasons why innovation is so important to Canada and the money spent on scientific research; the interaction of industry, government, and the universities; and the effects of new technologies in the workplace. A glossary of acronyms is included.  
CA PS SC

**Innovations dans les programmes scolaires et taux de rétention dans les écoles secondaires de l'Ontario des années 1920 aux années 1970 : un rapport à l'Étude sur le système d'éducation et les abandons scolaires en Ontario**

par R.M. Stamp. Toronto : Ministère de l'éducation, 1988. v, 102 p. Bibliogr. (Maintien des élèves à l'école et leur transition) ISSN 0839-5047 ISBN 0-7729-3799-0 MICROLOG 90-04309 2 fiche

Depuis le début des années 1920 jusqu'au début des années 1970, les écoles publiques de l'Ontario ont connu une augmentation du taux de rétention scolaire, qui s'explique par les modifications apportées aux programmes et aux divers facteurs sociaux externes. Cette étude montre qu'un nombre de plus en plus grand d'élèves fréquente les écoles secondaires publiques en Ontario et révèle un taux de persévérance scolaire de plus en plus grand. L'étude se penche sur la question en mettant l'accent sur les faits saillants entre les années 1920 et 1970.  
ED ON PR

**Innovations en matière de logements pour personnes âgées**

Ottawa : Société canadienne d'hypothèques et de logement, Centre des relations publiques, 1988. xii, 93 p. : ill. Bilingue (Innovations in housing...). MICROLOG 90-03798 2 fiche

Le principal objectif de ce document était de créer une réserve d'idées susceptibles de se traduire par des logements abordables, accessibles et convenables pour les Canadiens âgés. Le document porte principalement sur les points suivants: le financement et le mode d'occupation; la technologie et la production; la planification et la réglementation; la mise en oeuvre et la réalisation; la gestion; et, les inscriptions méritoires.  
CA SA

**Innovations in housing for seniors**

Ottawa : Canada Mortgage and Housing Corporation, Public Affairs Centre, 1988. xii, 93 p. : ill. Bilingue (Innovations en matière...). MICROLOG 90-03798 2 fiche



In 1987 the Corporation sponsored an awards program that recognizes demonstrated excellence and innovation in housing. This document presents the winning and honourable mention submissions, as well as those entries that were judged to contain good ideas.  
CA SA

#### Innovative housing : 1988 stage II results

Regina : Saskatchewan Housing Corporation, 1988. 64 p. : ill.  
MICROLOG 90-01153 1 fiche

For each project presented, this document provides building information, describes special features, and discusses financial and marketing matters. It also provides a lists of contacts.  
MS PR SA

#### Inorganic chemicals : prospects for Ontario's industrial minerals

prepared by Law, Sigurdson & Associates and SRI International. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Mineral Development and Lands Branch, 1989. 93 p. (Industrial mineral background paper ; 11) ISSN 0228-7811 ISBN 0-7729-6218-9  
MICROLOG 90-01859 1 fiche

Study to identify potential commercial opportunities for industrial minerals in Ontario that result from growing, or new, North American markets for derived inorganic chemicals. Such opportunities could include supplying provincial industrial minerals to the North American chemicals market as well as producing chemicals in Ontario from these raw materials. The study excluded fertilizer chemicals as well as products, such as surface-modified fillers, that do not undergo full chemical processing or transformation. The study scanned for commercial inorganic chemicals; rated approximately 200 chemicals for growth, technology change, and Ontario's position; selected 30 chemicals for detailed study; evaluated and selected potential opportunities which included examination of major industrial consumer segments; and conducted a detailed examination of the market factors involved in 5 chemicals selected as potential opportunities.  
NR ON PR PS SC

#### An Inquiry into textile tariffs, vol. 1 : report

Ottawa : Canadian International Trade Tribunal, 1990. xvii, 99, xvii, 111 p. : ill. Bibliogr. *Bilingual (Une Enquête...vol. 1...)*. ISBN 0-660-55687-1  
MICROLOG 90-04261 3 fiche

In 1989, the Tribunal was asked to conduct an investigation on how to reduce textile tariffs to levels which would be more in line with those of other industrialized countries. The recommendations produced apply to the portions of the textile industry which produce fibres, yarns, fabrics and certain specialty products, and which generally serve as input in the manufacture of other products. This report presents the results of that investigation after public hearings, plant visits and interviews with those involved in the textile industry. The report reviews the structure, performance, competitive factors and future directions of the textile and downstream industries, the international setting, concentrating on such factors as the MFA, VERs and the MTN; analyzes the tariff structures of Canada, the EEC, Japan and the U.S., then shows the actual tariff comparisons focusing in particular on differences in tariffs between Canada and the U.S.; describes the illustrative tariff options developed by the Tribunal staff; then sets out recommendations and the rationale underlying them.  
CA CO EX

#### An Inquiry into textile tariffs, vol. 2 : detailed recommendations and background papers

Ottawa : Canadian International Trade Tribunal, 1990. v, 140, vi, 150 p. *Bilingual (Une Enquête...vol. 2...)*. ISBN 0-660-55693-6  
MICROLOG 90-04262 4 fiche

In 1989, the Tribunal was asked to conduct an investigation on how to reduce textile tariffs to levels which would be more in line with those of other industrialized countries. The recommendations produced apply to the portions of the textile industry which produce fibres, yarns, fabrics and certain specialty products, and which generally serve as input in the manufacture of other products. This volume provides additional information on the Tribunal's tariff recommendations for each HS 8-digit tariff item, how specific and compound duties were converted to ad valorem equivalents, and full lists of specific proposals made for the elimination of tariffs or the accelerated reduction of tariffs under the Free Trade Agreement. The second part of the volume covers a variety of issues and factors addressed by the Tribunal, along with basic information on the background and organization of the inquiry.  
CA CO EX

#### Insectes et maladies des arbres au Canada, 1987

compilation de B.H. Moody. Ottawa : Forêts Canada, Relevé des insectes et des maladies des arbres, 1990. 122 p. : cartes géogr. Bibliogr. *CSI 22189.004*. ISSN 0226-9767 ISBN 0-662-96125-0  
MICROLOG 90-06770 2 fiche

Le Relevé des insectes et des maladies des arbres (RIMA) constitue un programme national dans le cadre duquel sont exercées diverses activités par 6 centres régionaux et par un nouveau groupe de travail qui, sous la direction des centres et des instituts du Service canadien des forêts, est chargé de mettre au point des technologies destinées au RIMA. Ce document fournit des informations détaillées sur les principaux insectes et maladies affectant les arbres pour chacune des provinces canadiennes.

• CA EV FO LS SC

#### Insectes et maladies des arbres, Québec, 1989

par C. Bordeleau...et al. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service de la protection contre les insectes et les maladies, 1989. 40 p. : ill., cartes géogr. *CSI 66110.016*.  
MICROLOG 90-04727 1 fiche

Ce rapport présente le bilan des principaux problèmes entomologiques et pathologiques qui ont affecté la forêt québécoise en 1989 et donne un aperçu des prévisions du comportement des principaux ravageurs pour 1990.

FO PR QU SC

#### Insecticides systémiques servant à la protection des épinettes et des pins semenciers du nord

par W.H. Fogal et V.C. Plowman. Chalk River, Ont. : Service canadien des forêts, Institut forestier national de Petawawa, 1990. 16 p. Bibliogr. (Rapport d'information ; PI-X-92F) *L'éd. anglaise (Systemic insecticides...)* : 90-00256/1. ISSN 0228-0736 ISBN 0-662-96141-2  
MICROLOG 90-06801 1 fiche

Dans ce rapport, on y fait une revue des essais effectués dans le but de découvrir des insecticides systémiques permettant de lutter contre les insectes qui se nourrissent de cônes, de graines et d'aiguilles d'épinettes et des pins semenciers. Y sont aussi traités plusieurs facteurs influant sur l'évaluation et

l'efficacité des traitements: la synchronisation des traitements avec les habitudes alimentaires des insectes; l'absorption, la translocation et la métabolisation des insecticides; les pertes de cônes et de graines qui ne sont pas dues aux insectes; et, la quantité de cônes produits.  
FO ON PR SC

#### Inside taxation, 1987

Ottawa : Revenue Canada, Taxation, 1988. 100 p. : ill. *French ed. (Les Rouages de l'impôt, 1987)* : 90-02046/2. *CSI 22173.003*. ISBN 0-662-16574-8  
MICROLOG 90-02047 2 fiche

Describes Canada's system of taxation, assistance provided for taxpayers, the 1987 return, how taxes are collected, tax returns and how they are processed, the Canada Pension Plan and Unemployment Insurance, the rate structure for 1987, auditing, compliance, appeals, and taxation's organization. It also provides collection statistics.  
CA CI CO PA

#### Installation d'équipement de bureau électronique : un guide d'aménagement

par A.G. Kaplan. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 22 p. : ill., ill. pliantes. Bibliogr. *L'éd. anglaise (Installing electronic...) sur la même fiche*. ISBN 0-662-94941-2  
MICROLOG 90-05472 1 fiche

L'objet de cette étude est de conseiller au Comité de l'immeuble du Centre des femmes une approche en vue d'informatiser des installations situées au 3585, rue St-Urbain à Montréal. Ce rapport décrit l'approche adoptée pour réaliser l'étude et les lignes directrices particulières pour ces installations. Il donne également le résumé des conclusions et des recommandations, les plans annotés des étages et les plans des étages révisés.

CA LA PS SC

#### Installation d'une tour d'observation pour le repérage des incendies de forêt

par J. Monty. Chalk River, Ont. : Forêts Canada, Institut forestier national de Petawawa, 1990. 2 p. (Rapports techniques de l'IFNP ; 2) *L'éd. anglaise (Installation of a single...) sur la même fiche*. ISSN 1180-5757 ISBN 0-662-96224-9  
MICROLOG 90-06805 1 fiche

Le contrat de la construction d'une tour d'observation de 80 pieds (24m) de hauteur, entièrement soudée en forme de pylône, a été réalisé par Advanced Towers Ltd., d'Elmira (Ont.). La construction a été conçue conformément à la norme S37-1986 de l'Association canadienne de normalisation (ACNOR) en vue d'être surmontée d'une cabine de 64 pieds carrés (6 m<sup>2</sup>) et d'un poids de 2 500 livres. Ce cahier technique se penche sur les détails portant sur l'installation d'une tour d'observation pour le repérage des incendies de forêt dans la forêt expérimentale de Petawawa.  
CA FO SC

#### Installation of a single pylon forest fire lookout tower

by J. Monty. Chalk River, Ont. : Forestry Canada, Petawawa National Forestry Institute, 1990. 2 p. : ill. (PNFI technical reports ; 2) *French ed. (Installation d'une tour...) on the same fiche*. ISSN 1180-2618 ISBN 0-662-17864-5  
MICROLOG 90-06805 1 fiche

The Petawawa Forestry Research Forest contains some of Canada's oldest forestry research plots. Because of military activity at Canadian Forces Base Petawawa, adjacent to the research forest, and the volume of the research plantations and field experiments, fire



detection and suppression are mandatory. This report describes the construction of a fire tower and its costs.

• CA FO SC

#### Installation recommendations for a milk pipeline -- Rev.

by G.A. Garland. Toronto : Ministry of Agriculture and Food, 1989. 4 p. (Factsheet ; no. 89-118) ISSN 0225-7882  
MICROLOG 90-00840 1 fiche

This document includes 23 recommendations for the installation of conventional milk pipelines using vented type milk units.

AG ON PR

#### Installing electronic office equipment : a facility guide

by A.G. Kaplan. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1987. 19 p. : ill., fold. ill. Bibliogr. French ed. (Installation d'équipement...) on the same fiche. ISBN 0-662-16253-6  
MICROLOG 90-05472 1 fiche

Study to advise the Building Committee for the Montreal Women's Centre on an approach for automating the facility. The report describes the approach taken in the study and specific guidelines for the facility. In this report, 'office automation' refers to the addition of electronic office equipment such as video-display terminals, micro-computers, local area networks, desk-top publishing microprocessors, etc. Annotated floor plans are included.

CA LA PS SC

#### Institut canadien de l'information scientifique et technique : Rapport annuel 1988-89

Ottawa : l'Institut, 1989. 28, 28 p. : ill. Bibliogr. Bilingue. CSI 22115.001.  
MICROLOG 90-06335 1 fiche (Available on fiche only)

L'Institut canadien de l'information scientifique et technique est l'organisme chargé de gérer la collection nationale de documents scientifiques, techniques et du domaine des sciences de la santé. Ce rapport annuel pour l'exercice financier 1988-89 fait le bilan des différents services de l'Institut qui incluent entre autres la diffusion de l'information, les services de référence, le Centre bibliographique des sciences de la santé, CAN/OLE, CAN/SDI, le Centre d'échange de l'information et le Répertoire canadien des traductions scientifiques. Il mentionne aussi les publications, les communications et les échanges internationaux dont l'Institut est responsable.

CA PS SC ST

#### Institut canadien pour la paix et la sécurité internationales : Rapport annuel 1989-90

Ottawa : l'Institut, 1990. 40, 40 p. : ill. Bilingue. CSI 22305.001. ISBN 0-662-57686-1  
MICROLOG 90-07046 1 fiche

L'Institut a pour mission d'accroître la connaissance et la compréhension des questions relatives à la paix et à la sécurité internationales d'un point de vue canadien, particulièrement en matière de limitation des armements, de désarmement, de défense et de solution des conflits. Ce rapport annuel fait le bilan des activités des différentes composantes de l'Institut. Direction de la recherche, Direction des programmes publics, Services d'information et Service des bourses et des contributions. Inclut le bilan financier ainsi que la liste des publications et des articles parus dans 'Paix et Sécurité'.

CA EX

#### Institut de recherche et d'information sur la rémunération (Québec) : Rapport annuel 1988-89

Montréal : l'Institut, 1989. 27 p. CSI 67246.001.  
ISSN 0832-6207 ISBN 2-550-19658-9  
MICROLOG 90-00885 1 fiche

Ce rapport rend compte de l'ensemble des activités de l'Institut et contient de nombreux renseignements d'intérêt public. L'IRIR a pour mission de favoriser la bonne marche du processus de négociation collective dans le secteur public du Québec par la réalisation de recherches et la diffusion d'informations objectives, traitées de façon indépendante et impartiale, en vue d'éclairer les parties patronales et syndicales et d'informer le public. On y fait la présentation de l'Institut et de ses activités et on y fournit les états financiers.

LA PR QU

#### Institut de recherche et d'information sur la rémunération (Québec) : Rapport annuel 1989-90

Montréal : l'Institut, 1990. 27 p. CSI 67246.001.  
ISSN 0832-6207 ISBN 2-550-20776-9  
MICROLOG 90-07310 1 fiche

L'Institut a pour fonction première d'informer le public de l'état et de l'évolution comparés de la rémunération globale des salariés des secteurs public et parapublic d'une part, et de celle des autres salariés québécois, d'autre part. Pour ce faire, il analyse, évalue et critique des données provenant soit d'organismes effectuant des enquêtes sur la rémunération, soit de conventions collectives. Ce rapport annuel trace les grandes lignes des activités et des réalisations de l'Institut. Inclut les états financiers.

CO LA PR QU

#### Institut de recherches politiques : Rapport annuel 1987-88

Halifax : l'Institut, 1988. 38, 38 p. Bibliogr. Bilingue. CSI 99545.001.  
MICROLOG 90-03308 1 fiche

Ce document présente le rapport annuel de l'Institut de recherches politiques pour l'année 1987-88. Créé en 1972, l'Institut est un organisme qui vise à agir comme catalyseur au sein de la collectivité nationale en favorisant un débat public éclairé sur les principales questions d'intérêt commun; et, à trouver des solutions concrètes à d'importants problèmes de politique, de façon à contribuer à l'élaboration d'une politique d'état saine. Le document aborde également les recherches et la diffusion; les options politiques; les publications 1987-88; le rapport du comité des investissements; et, les états financiers.

• CA CO PA

#### Institut de recherches politiques : Rapport annuel 1988-89

Ottawa : l'Institut, 1989. 54, 50 p. : ill. Bibliogr. Bilingue. CSI 99545.001.  
MICROLOG 90-05519 2 fiche

Ce document porte sur les points suivants: l'année 1988-89; la recherche et la diffusion, le programme de conférences; les options politiques; les publications 1988-89; le rapport du Comité des investissements, le rapport des vérificateurs; les états financiers; les membres et donateurs; le personnel de direction; et, la coopération et la sécurité dans le monde.

• CA PA

#### Institut de recherches politiques : Rapport annuel 1989-90

Ottawa : l'Institut, 1990. 16, 16 p. Bilingue. CSI 99545.001.  
MICROLOG 90-06954 1 fiche

Créé en 1972, l'Institut de recherches politiques est un organisme national et indépendant à but non lucratif, possédant des bureaux d'un bout à l'autre du Canada. La mission de l'Institut est

d'améliorer la politique d'Etat au Canada en encourageant un processus politique plus général, mieux informé et plus efficace et en contribuant à la mise en application de ce processus. Ce document fournit le rapport annuel de l'Institut pour l'année 1989-1990. Les états financiers y sont également fournis.

• CA EX PA

#### Institut national de recherche sur les eaux (Canada) : Réflexions, 1986-87

Burlington, Ont. : l'Institut, 1987. 19 p. : ill. L'éd. anglaise (Reflections, 1986-87...) sur la même fiche. CSI 22262.002.  
MICROLOG 90-03129 1 fiche

Ce document vise à tracer le portrait de l'Institut national de recherche sur les eaux tel qu'il était en 1986-1987, à signaler les principales réalisations et à décrire les orientations futures qu'entend suivre le programme de l'INRE.

CA NR SC

#### Institut national de recherche sur les eaux (Canada) : Réflexions, 1988-89

Burlington, Ont. : l'Institut, 1989. 31 p. : ill. L'éd. anglaise (Reflections, 1988-89...) sur la même fiche. CSI 22262.002.  
MICROLOG 90-05775 1 fiche

L'Institut national de recherche sur les eaux (INRE) d'Environnement Canada dirige un programme national de recherche et de développement en sciences aquatiques. Dans le cadre de ce programme, l'Institut acquiert des connaissances spécialisées pour pouvoir régler les problèmes environnementaux liés à l'eau auxquels le Canada doit faire face. Ce rapport offre une sélection de faits saillants représentative du travail accompli par l'INRE dans le domaine de la participation internationale et de la contribution de la science au processus de prise de décisions.

CA NR PS SC

#### Institut québécois de recherche sur la culture : Rapport annuel 1988-89

Québec : l'Institut, 1989. 95 p. CSI 67215.001.  
ISSN 0227-3101 ISBN 0-89224-135-9  
MICROLOG 90-01657 2 fiche

Ce document présente le rapport annuel de l'Institut québécois de recherche sur la culture. Il compte trois sections qui se penchent sur: l'état de la recherche; le bilan des activités complémentaires, des publications et des services; et, les états financiers.

CU PA PR QU SA

#### Institut québécois du cinéma : Rapport annuel 1988-89

Montréal : l'Institut, 1989. 16 p. CSI 67257.001.  
MICROLOG 90-04136 1 fiche

Ce document présente le rapport de l'année budgétaire 1988-1989, relatif aux activités de l'Institut québécois du cinéma. Les secteurs représentés sont: les distributeurs; l'exploitation vidéo; les exploitants; les interprètes; les techniciens; les producteurs, les réalisateurs; la télévision; les industries techniques, la coopération francophone internationale; et les scénaristes.

CU PR QU

#### Institute for Research in Construction (Canada) : Annual review 1989

Ottawa : The Institute, 1990. 20 p. : ill. At head of title: IRC : technology for construction. CSI 22400.001.  
MICROLOG 90-07370 1 fiche (Available on fiche only)

The Institute for Research in Construction is the leading source of technology for the Canadian construction industry. This annual report presents the highlights of the years' activities, and an overview of research conducted, including new technology, road and sewer construction methods, preparedness for



major earthquakes, development of concretes for storage of high level radioactive wastes, development of alternative blowing agents in insulation, fire-safe building designs, energy conservation measures, and more progressive building regulations. The report also describes the ways in which the technology developed is moved into use in the industry.

● CA PL PS SC

#### Institute for Research on Public Policy : Annual report 1987-88

Halifax : The Institute, 1988. 38, 38 p.  
Bibliogr. *Bilingual*. CSI 99545.001.  
MICROLOG 90-03308 1 fiche

Annual report of the Institute, describing its responsibilities and organization and giving highlights of the year. Research projects into international economic issues, governability, social policy and environment and sustainable development are described in detail, as well as a summary of the conference program and the publication of Policy Options. A list of publications and a financial report are also included.

● CA CO PA

#### Institute for Research on Public Policy : Annual report 1988-89

Ottawa : The Institute, 1989. 50, 54 p. : ill.  
Bibliogr. *Bilingual*. CSI 99545.001.  
MICROLOG 90-05519 2 fiche

Annual report of the Institute, covering its organization and management and the year's activities. Research projects were conducted into international economic issues, governability, social policy, and the environment and sustainable development. The report also covers conferences held, the progress of their Policy Options publication, other publications, and the work of the Investment Committee. Financial statements are included.

● CA PA

#### Institute for Research on Public Policy : Annual report 1989-90

Ottawa : The Institute, 1990. 16, 16 p.  
*Bilingual*. CSI 99545.001.  
MICROLOG 90-06954 1 fiche

This annual report reviews the Institute's work on international economic issues, the governability research program, the studies in social policy program, the small and medium-sized business program, and the environment and sustainable development program. It also includes financial statements.

● CA EX PA

#### Institutional evaluation process for British Columbia colleges and institutes : policies and procedures manual

prepared for the British Columbia Council of College and Institute Principals ; by Kathleen M. Bigsby and Alan Davis. Victoria : Ministry of Advanced Education and Job Training ; Ministry Responsible for Science and Technology, 1989. 99 p. Bibliogr. ISBN 0-7726-0970-5  
MICROLOG 90-00756 2 fiche

This document provides an overview of institutional evaluation, and discusses the institutional self-study process, and the external audit. It also presents reviews of instructional programs and support functions. Appendices present information on alternate approaches to institutional self-studies, and sample terms of reference for subcommittees.

BC ED PR

#### Instructions relatives à la confection du plan quinquennal d'aménagement forestier

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 40 p. : ill. *Sur la couv. : Plans et rapports*

*d'aménagement forestier : instructions.*  
MICROLOG 90-03862 1 fiche

Un plan quinquennal décrit pour chacune des cinq années les activités d'aménagement forestier que le bénéficiaire entend réaliser, les secteurs de coupe et la séquence selon laquelle ils seront aménagés, et les méthodes de coupe et les traitements sylvicoles qu'il entend utiliser pour atteindre le rendement annuel prévu au contrat. Le document examine les points suivants: l'objet du plan quinquennal d'aménagement forestier; le processus d'élaboration du plan quinquennal d'aménagement forestier; le processus d'approbation du plan quinquennal d'aménagement forestier; et la teneur et la forme du plan quinquennal d'aménagement forestier.

EV FO PR QU SC

#### Instrument de mesure et d'enregistrement automatiques des contraintes d'exploitation à la mine Niobec

par G. Herget et F. Kapeller. Ottawa : Énergie, mines et ressources Canada, Centre canadien de la technologie des minéraux et de l'énergie, 1990. iii, 9, iii, 9 p. : ill. Bibliogr. (Publication spéciale de CANMET ; SP 89-3F) *Bilingue* (Monitoring equipment for mining...). ISBN 0-660-55787-8  
MICROLOG 90-07111 1 fiche (Available on fiche only)

Le besoin de mesurer l'effet des changements qui se produisent dans les contraintes d'exploitation minière en roche dure se fait ressentir depuis de nombreuses années. Les Laboratoires de recherche minière (LRM) ont conçu un anneau relativement rigide pour des trous de diamètre allant de 76 à 153 mm. L'anneau est basé sur le principe du rendement à long terme des capteurs à corde vibrante. Dans les parties de ce document, on décrit l'ensemble mécanique formé par l'anneau de mesure des contraintes LRM et l'équipement périphérique nécessaire à la mise en place et à l'affichage. On y a également inclus un rapport portant sur le rendement de l'équipement utilisé.

CA CM NR PS QU SC

#### Instrumentation of reinforced earth wall

by C.B.H. Cragg. Toronto : Ontario Hydro, Research Division, 1990. 22 p. : ill. Bibliogr. (Report ; no. 89-215-K)  
MICROLOG 90-06036 1 fiche

The use of a reinforced earth wall for shoreline rehabilitation at Cardinal, Ontario, where the ice boom for the R.H. Saunders Generating Station dam is deployed, was the first time this type of construction had been placed underwater. This report presents instrumentation, monitoring methods and measured results in detail.

EN ON PR PS SC

#### Instruments to measure the stress conditions existing in the rocks surrounding underground openings

by A.N. May. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1959. iv, 27 p. : ill. Bibliogr. (Report ; TM 102/59-MIN) *Paper prepared for the International Strata Control Conference.*  
MICROLOG 90-04547 1 fiche

Description of 2 instruments developed to measure the stress in the interior of rocks surrounding underground openings. One instrument measures uniaxial stress changes and also allows the existing stress condition to be determined, and the other measures biaxial stress changes. The first unit has been sufficiently developed to allow it to be used in field investigation, but the second is still

undergoing laboratory development.

● CA CM NR PS SC

#### Insurance Corporation of British Columbia : Annual report 1989

S.I. : The Corporation, 1990. 21 p. : ill. CSI 38155.001.  
MICROLOG 90-04146 1 fiche

This annual report reviews investments, and the autoplan fund. It includes a five year comparison, and covers unpaid claims and financial data.

BC CO PR

#### Insurance statistics for Newfoundland and Labrador, 1986

Newfoundland, Superintendent of Insurance. St. John's : The Superintendent, 1987. 50 p. CSI 49114.001.  
MICROLOG 90-02587 1 fiche

This report contains a register of insurance companies licensed to transact business in the province and includes statistical data on the operations of these companies. It also provides statistics regarding the licensing of insurance agents, companies and adjusters and examinations administered by this Department.

AP CO PR

#### Integrated forest/range research : five-year plan

by M.D. Pitt. S.I. : Forest Resource Development Agreement, 1989. vi, 23 p. (FRDA report ; 074) ISSN 0835-0752 ISBN 0-7726-0964-0  
MICROLOG 90-03838 1 fiche

Recommendations for a 5-year plan for research which will clarify the biological interactions among grass, trees, and cattle, relative to backlog not satisfactorily restocked (NSR) land, and provide reliable information to assist resource managers with integrated forest and range management in the Cariboo, Kamloops, and Nelson Forest Regions. Research programs most likely to achieve these goals are identified and ranked in priority. Strategies for pursuing potential research programs are recommended, including administration, participants, and locations of suggested research. The recommendations are based on site visits, personal interviews, and review of literature and internal government reports.

● BC CA FO PR SC

#### Integrated pest management for apple orchards in Ontario : a handbook for growers, scouts and consultants

Toronto : Ministry of Agriculture and Food, Plant Industry Branch, Pest Management Section, 1990. 59 p.  
MICROLOG 90-05295 1 fiche

Publication providing information enabling apple growers to monitor pest activity in their own orchards and develop sound pest control decisions for the entire pest complex. The publication discusses the concept of integrated pest management (IPM) and its monitoring requirements; describes the various diseases and pests which could attack the crop; and the various pesticides available, including insect resistance to them. A list of monitoring equipment suppliers is also included.

AG ON PR SC

#### Integrated retorting combustion system using fixed bed technology : final report

submitted to Monenco Consultants Ltd. Fredericton : New Brunswick Research and Productivity Council, 1987. 102 p. : ill. Bibliogr. *ESA shearer loaders range of application and operational results (89 p.) laid in. CANMET contract: 69108-01-SQ.*  
MICROLOG 90-00180 3 fiche



In this integrated system, the pyrolysis of oil shale known as retorting is carried out in a fixed bed reactor to produce liquid and gaseous fuels and a by-product spent shale. The heat of retorting is supplied by the flue gases from a circulating fluidized bed combustor operating on a mixture of spent shale and a high sulphur coal. The spent shale which has calcium and magnesium oxides act as a sulphur capture medium. Excess heat from the combustor could be used for steam raising and power generation. This report describes the results of an extended 48-hour run using the integrated system with Minto coal and Alberta county oil shale. Measurements were taken regularly to evaluate the performance and for the calculation of material and heat balances. The report gives details of the experimental work, results, discussions and recommendations for future work.

• AP CA CM EN PS SC

#### Integrated service for information resources, ISIR

by L. Carmel and P. Bergeron. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1988. 11 p. French ed. (Le Service intégré des ressources...) : 90-04206/1. ISBN 0-662-16515-2 MICROLOG 90-04196 1 fiche

ISIR combines documentary and strategic information, document management and data base services. This service is designed to satisfy the information and documentation needs of researchers and managers at the Canadian Workplace Automation Research Centre by facilitating the distribution of information to these various groups. They have developed a unique system of automated information retrieval which integrates bibliographical, factual and archival data. By presenting this integrated information resource system and using the most advanced technology to carry out its activities, ISIR proposes an innovative concept that may serve as a prototype for other research centres.

CA TE

#### Integrating the construction model into the COPS demand framework

Ottawa : Employment and Immigration Canada, Strategic Policy and Planning, Labour Market Outlook and Structural Analysis Directorate, 1987. 11 p. . ill. Bibliogr. French ed. (Intégration du sous-modèle...) on the same fiche. MICROLOG 90-00690 1 fiche

Description of the current system of projecting employment using the Canadian Occupational Project System (COPS) model and the weaknesses of this method. The paper then describes the satellite model being developed for the construction industry and how it can be integrated into COPS, as well as its development.

CA LA PS SC

#### Intégration des considérations d'ordre environnemental aux décisions d'ordre économique : présentation du principe

document établi pour les Comités des cadres régionaux, Environnement Canada. Ottawa : Environnement Canada, Conservation et protection, Eaux intérieures/Terres, Terres, 1987. 20 p. Bibliogr. L'éd. anglaise (Environment-economy integration...) sur la même fiche MICROLOG 90-06315 1 fiche

Les questions qu'on se pose dans ce document sont les suivantes: comment conserver un environnement de qualité au Canada tout en préservant la possibilité à long terme d'exploiter les ressources? Une stratégie d'intégration environnement-économie offre-t-elle la possibilité

de concilier les emplois et l'accroissement de la qualité de l'environnement? Ce document présente la notion d'intégration environnement-économie, fait état du soutien national dont bénéficie sa mise en oeuvre et expose les possibilités actuelles de sa réalisation grâce à des instruments économiques fédéraux.

• CA CO EV SC

#### L'Intégration des femmes au développement : perspective sectorielle

Hull, Québec : Agence canadienne de développement international, 1989. 139 p. Bibliogr. ISBN 0-662-95464-5 MICROLOG 90-03272 2 fiche

Ce document est le fruit d'un effort collectif fait par l'ACDI pour que les responsables de programmes, dans l'exercice quotidien de leur fonctions, prennent en compte les intérêts des femmes. On y présente diverses façons de traduire les politiques de l'IFD en actions concrètes au niveau des programmes et des projets. Le manuel comporte dix chapitres portant sur les secteurs d'activité choisis parmi les plus représentatifs des programmes de l'ACDI.

• CA SA

#### Intégration du sous-modèle de la construction dans le modèle de la demand du S.P.P.C.

Ottawa : Emploi et immigration Canada, Politique stratégique et planification, Directeurat des perspectives du marché du travail et de l'analyse structurelle, 1987. 12 p. : ill. Bibliogr. L'éd. anglaise (Integrating the construction...) sur la même fiche. MICROLOG 90-00690 1 fiche

Ce document présente la politique stratégique et la planification directeurat des perspectives du marché du travail et de l'analyse structurelle. Il établit des projections macro-économiques pour le Canada et les provinces. Comme hypothèse de travail, un scénario de référence est élaboré concernant la direction que l'économie pourrait prendre et, sur ce fondement, un certain nombre de scénarios d'impact sont établis pour les principaux secteurs de risque. Finalement, on convertit ces projections relatives à 62 secteurs d'activité en projections concernant les 512 professions à quatre chiffres de la Classification type des professions.

CA LA PS SC

#### Integration of food crops, fisheries, and nutrition research in northeast Thailand : an extract from the proceedings of a workshop

by R.H. Young and A.K. Bernard. Ottawa : International Development Research Centre, 1989. 28 p. (Manuscript report ; 228e) MICROLOG 90-00248 1 fiche (Available on fiche only)

Although considerable advances have been made in upgrading the nutritional status of the rural population of Thailand, particularly through the government rural development program, deprivation and malnutrition continue to exist in the northeastern provinces. Several national and international programs have recognized this fact, but so far there has been little institutional collaboration or coherence between individual projects. To assist in catalyzing such coordination, a workshop was convened in Khon Kaen to articulate the various linkages between agriculture, fisheries and nutritional improvement; to determine requirements for additional knowledge and identify entry points for further research and training, and to formulate a program for collaborative, inter-institutional support for nutritional improvement. This report summarizes information given at the workshop on nutritional deficiencies and interventions, the agricultural situation, and the significance of the fisheries. Group

recommendations on research priorities are included also.

AG CA EX FI HE SC

#### The Integration of intellectually handicapped persons : a human and social imperative : orientations and guidelines

Quebec : Gouvernement du Québec, Ministère de la santé et des services sociaux, 1989. 43 p. Bibliogr. ISBN 2-550-19326-1 MICROLOG 90-01143 1 fiche

This document identifies some services needed to prevent institutionalization and to support the process of community reintegration. It also touches various aspects of the regional planning process and the reorganization of institutional services and resources leading to the creation of community-based services.

PR QU SA

#### Integration of Taurus data logger : final report

S.I. : Atlantis Scientific Systems, 1989. 1 p. CANMET contract: 99076-01-SQ. MICROLOG 90-02534 1 fiche

Report on the integration of the Taurus data logger with the CARS data acquisition system.

• CA EV FO PS SC

#### Integration of work and family responsibilities : report on strategies

submitted by the Ministers Responsible for the Status of Women ; to the Annual Conference of First Ministers. Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. viii, 48, viii, 48 p. Bilingual (Harmonisation des responsabilités...). MICROLOG 90-02060 2 fiche

Contains the strategies created by each jurisdiction to foster shared responsibilities and equal opportunity. It summarizes key accomplishments and highlights the plans by each government for further initiatives on this matter.

• CA LA PA SA

#### Inter-library loan network study

prepared for the B.C. Library Services Branch. S.I. : Peat Marwick Consulting Group, 1989. 6 p. MICROLOG 90-03273 1 fiche

Identifies the needs of the public libraries for resource sharing and determines what options exist for an inter-library loan telecommunications network linking all public libraries and interfacing with other types of libraries or library networks; determines the costs of the most viable options; and assists decision makers in selecting the best option which also has the support of public libraries in the province.

BC CU PR

#### Inter-ministerial protocols for the provision of support services to schools

developed between the Ministry of Education...et al. Victoria : Ministry of Education, 1990. 46 p. Executive summary (4 p.) laid in. ISBN 0-7726-1062-2 MICROLOG 90-03083 1 fiche

The purposes of this protocol paper are: to establish a framework which describes the delivery of support services; to improve coordination and decrease fragmentation of services; to establish an agreed upon comprehensive range of services; to increase the accessibility of appropriate services locally, and increase the responsibility of local communities for the provision of such services, and to implement governmental directives set out on January 27, 1989.

BC ED PR



## Inter-regional transit issues in the Greater Toronto area

Toronto : Metropolitan Toronto Planning Dept., 1987. 33 p. ill., maps.  
MICROLOG 90-00970 1 fiche

This document discusses existing and projected inter-regional transit travel; the need for improved integration of transit services; and issues concerning planning, financing, level of service, and organization.  
MU ON TR

## Interaction culturelle entre les Canadiens et les nouveaux arrivants éthiopiens au Canada

par A. Tebeje. Ottawa : Emploi et immigration Canada, 1989. i, 34, i, 34 p. : ill. Bibliogr. Bilingue (Cultural interaction of Canadians...).  
MICROLOG 90-02890 1 fiche

Cette étude porte sur l'interaction culturelle entre les Canadiens et les nouveaux arrivants éthiopiens au Canada. On cherche à déterminer les valeurs, attitudes, pratiques, normes et tabous les plus importants et les plus stables de la culture éthiopienne. Par la suite, on traite des retombées de ces éléments culturels sur la compréhension et le comportement des immigrants éthiopiens et on détermine dans quelle mesure ces éléments ont des retombées sur les relations entre les Éthiopiens et les Canadiens. L'étude permet également de relever des problèmes causés par les divergences culturelles qui influenceront sur le processus d'établissement des Éthiopiens.  
• CA CU EX

## Interaction of stock type and site with three coniferous species

by G.D. Racey, C. Glurm and R.E. Hutchison. Toronto : Ministry of Natural Resources, 1989. 12 p. Bibliogr. (Forest research report ; no. 124) ISSN 0381-3924 ISBN 0-7729-5749-5  
MICROLOG 90-00138 1 fiche

Various stock types of white spruce, white pine, and red pine were planted on several sites with large variation in degree of vegetative composition to show how stock types can be matched to site and therefore reduce plantation establishment costs.  
FO ON PR SC

## L'interaction université-entreprise en sciences sociales et humaines : une voie prometteuse

par R. Davidson. Ottawa : Conseil des sciences du Canada, 1988. 32 p. Bibliogr. (Document d'étude) ISBN 0-662-94897-1  
MICROLOG 90-00140 1 fiche

Ce document présente l'état actuel des relations université-entreprise en SSH et expose un certain nombre de questions fondamentales concernant la capacité des SSH de répondre aux demandes changeantes qu'on leur fait. Il situe les SSH dans le contexte du nouveau rôle économique que doivent jouer les universités; donne un aperçu des rapports actuels université-entreprise en SSH, pour chacune des fonctions essentielles des universités: la recherche, l'enseignement et le service à la collectivité; résume les principales caractéristiques de ces rapports et aborde certaines question qui en découlent. Finalement, le document expose les questions fondamentales liées à l'évolution des SSH.  
CA ED

## Interactive-graphic interfaces for planning the transportation and distribution of freight

by T.G. Crainic and J.-F. Mondou. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 38 p. : ill., maps. Bibliogr. (Publication ; no. 662) Presented at the 69th Annual Meeting of the

Transportation Research Board.  
MICROLOG 90-01426 1 fiche

Exploration of issues related to the development of interactive-graphic systems for the tactical/strategic planning of intercity freight transportation and distribution systems, with emphasis on the specification of the interactive-graphic interfaces. The paper analyzes the requirements, difficulties and possible ways of graphically representing the various components of the transportation systems, presenting a number of general solutions to these problems which are easily adaptable to other related problems. The discussion is illustrated with computer images obtained from an actual rail application.  
PR PS QU SC TR

## An Interagency comparison of the field and laboratory procedures for determining suspended sediment

by F. Lapointe...et al. Ottawa : Environment Canada, Conservation and Protection, Inland Waters Directorate, Water Resources Branch, Sediment Survey Section, 1989. iv, 51 p. : ill. Bibliogr.  
MICROLOG 90-06378 1 fiche

Three federal and one provincial agency are involved under the Northern Flood Agreement in collecting suspended-sediment data as part of their environmental impact assessment activities along the Churchill River diversion. Each of these agencies is involved in on-going data collection programs, collecting the data using different samplers and different sampling strategies, and analysing the data using different laboratory procedures. This study determined the repeatability (precision) of the US D-74 (WRB) and the sampling iron (WQB) samplers under northern field conditions; the correlation between a single vertical depth-integrated sample using a US D-74 and a surface (dip) sample using a sampling iron; and whether the procedures used in the individual organization's laboratories produce comparable results. The study was conducted on the Burntwood River near Thompson.  
• CA EV MS PS SC

## Intercity travel and the deaf and hard of hearing traveller : an analysis of the current state of accessibility

prepared for the Transportation Development Centre of Transport Canada ; by the Canadian Hearing Society. Toronto : The Society, 1989. xxii, 101 p. : ill. Consultant: The Behavioural Team.  
MICROLOG 90-04075 2 fiche

This report of the facilities places particular emphasis on both physical design of facilities and the availability of assistive devices. Following an analysis and discussion of all findings, recommendations are made for improvements to transportation facilities as well as for further research and development which will be of benefit to deaf and hard of hearing travellers, and to those without hearing impairments.  
CA SA TR

## An Intercomparison of Canadian external dosimetry processors for radiation protection

prepared by the Working Group on External Dosimetry ; for the Atomic Energy Control Board. Ottawa : Atomic Energy Control Board, 1989. iv, 93 p. : ill. Bibliogr. (Report ; INFO-0331)  
MICROLOG 90-04389 2 fiche

There are 5 organizations which perform external beta/gamma dosimetry in Canada. Through these 5 external dosimetry processors, 4 distinct methods are used in determining whole body (deep) dose. In order to quantify the differences in doses observed between the processors, dosimeters from each of the 5

organizations were exposed to the same radiation fields. The resulting doses were then evaluated by each respective processor by reading its own dosimeters in the normal way. This led to the stage 2 intercomparison which is the subject of this report. The second stage involved exposing the dosimeters to radiation fields in areas in power reactor working environments.  
CA HE LA PS SC

## Interdepartmental Committee on Land (Canada) : Annual report 1987

Ottawa : The Committee, 1988. 10, 9 p. Bilingual. CSI 22396.001.  
MICROLOG 90-06370 1 fiche

The mandate of the ICL is to advise on the implementation, effectiveness, and possible revisions to the Federal Policy on Land Use. This annual report outlines the major activities and accomplishments of the Committee and provides a look ahead to the coming years.  
• CA NR PW SC

## The Interface between stabilization and special assistance programs in the Canadian grain sector : some issues and moving toward the optimal balance

prepared for the Grains and Oilseeds Branch, Agriculture Canada ; by Deloitte Haskins & Sells. Ottawa : The Branch ; Guelph, Ont. The Company, 1988. ii, 72 p. : ill.  
MICROLOG 90-04229 1 fiche

A Special Canadian Grains Program (SCGP) was provided for the grain and oilseed sector 1986 and 1987 crops in response to extremely low prices, attributed to the US/EEC trade and subsidy war. Even though an SCGP payment was made, the grain and oilseed sector is protected against downward swings in commodity prices through the Western Grain Stabilization Act (WOSA) and the Agricultural Stabilization Act (ASA). This report gives the role and rationale for special assistance; outlines the programs of significance to the grains and oilseed sector; discusses concepts that involve both regular stabilization and special assistance, including the difference between safety nets, price stabilization, and price supports; discusses the concerns that are raised by the interface between regular stabilization programs and special assistance; outlines assessment criteria on the political, economic and administrative fronts that are applicable to stabilization in the grains sector; discusses possible programming modifications to ASA and WOSA, and offers a suggestion on possible future stabilization programs.  
AG CA CO SC

## Interference with computer screen displays

by S.M. Harvey. Toronto : Ontario Hydro, Research Division, 1990. 5 p. Bibliogr. (Report ; no. 90-93-K)  
MICROLOG 90-06100 1 fiche

With the proliferation of personal computers, both within Ontario Hydro and elsewhere, the possibility of experiencing electrical interference problems has steadily increased. One such problem occurs when a computer is located close to a source of 60 Hz magnetic field, and is characterized by a regular wavelike motion of the computer screen display that can be disconcerting to operators. Several reports of this 'terminal illness' were received within a few weeks. This report discusses possible approaches to alleviate the problem.  
ON PR PS SC

## Intergovernmental conferences served by the CICS : list by subject matter : vol. IV, 1988-89

Canadian Intergovernmental Conference Secretariat. Ottawa : The Secretariat, 1989. 16, 17 p. Bilingual (Conférences



intergouvernementales...). CSI 22198.002.  
MICROLOG 90-02950 1 fiche

Identifies the dates, and place of each conference. It also specifies the themes of the individual conferences.  
CA PA

#### Interim annual report, 1989

Regina : Saskatchewan Health, Vital Statistics, 1990. 14 p. CSI 72185.001.  
MICROLOG 90-05524 1 fiche

The annual report presents a record of those vital events which occurred in Saskatchewan during 1989 including births, population, stillbirths, deaths, accidents and violence, natural increase, marriages, divorces, life expectancy, adoptions, and legal changes of names. The data in this report are based on original registration forms and do not include amendments. The vital events recorded in this report from years previous to 1989 are by place of residence.  
HE MS PR ST

#### Interim financial statements for the ten months ended January 31, 1986

British Columbia. Ministry of Finance and Corporate Relations. Victoria : The Ministry, 1986. 12 p. CSI 37106.008. ISSN 0713-2654  
MICROLOG 90-06387 1 fiche

The interim statements include data from the unaudited Consolidated Revenue Fund which combines the general fund and special funds and includes a summary and details of revenues and expenditures.  
BC CO PA PR

#### Interim financial statements of revenue and expenditure for the eleven months ended February 28, 1990

British Columbia. Ministry of Finance and Corporate Relations. Victoria : The Ministry, 1990. 18 p. CSI 37106.008. ISSN 0713-2654  
MICROLOG 90-04441 1 fiche

The interim statements include data from the unaudited Consolidated Revenue Fund which includes a summary and details of revenues and expenditures.  
BC CO PA PR

#### Interim report

Miramichi River Environmental Assessment Committee (N.B.). Newcastle, N.B. : The Committee, 1990. i, 34 p. Bibliogr.  
MICROLOG 90-05704 1 fiche

This interim report marks the mid-point of the Committee's 2-year effort to provide a collective assessment of the present environmental quality of the Miramichi River system, identify the factors impacting the River and finally to make recommendations on the steps to be taken for its preservation and enhancement. The report covers the activities of the Committee to date and what is planned for the next year. The report also contains information on the river system, water pollution and legislation. Appendices include a listing of potential sources of pollution, and government regulatory legislation and processes.  
AP EV NR PR SC

#### An Interim report of the British Columbia Forest Resource Commission

British Columbia Forest Resources Commission. Victoria : The Commission, 1990. 10 p.  
MICROLOG 90-07017 1 fiche

This interim report addresses 4 issues which the Commission felt were of major importance and which should not wait until their final report. These issues involve the availability and compatibility of inventory information relating

to all forest values; the need for the formal education system to better address the importance of natural resources to the province; the adequacy of public input into forest resource planning and management, particularly as they relate to T.S.A. Committees; and the serious uncertainty affecting forest land use decisions resulting from the land claim issue. Each of these issues is discussed in this report in some detail.  
BC FO PR SC

#### Interim report of the States/British Columbia Task Force on Oil Spills

States/British Columbia Task Force on Oil Spills. Victoria : The Task Force, 1989. 29 p.  
MICROLOG 90-02639 1 fiche

The States/British Columbia Oil Spill Task Force was established in March 1989 to provide cooperative and coordinated spill response and prevention efforts. Since its formation, the task force has grown to include British Columbia and the states of Washington, Oregon, Alaska and California. The task force established 4 subcommittees, each charged with the responsibility for completing a wide variety of studies on oil spill prevention alternatives, financial recovery, technology sharing and emergency response. This report gives an update on the status of the task force work, and describes the formation of the task force after the Nestucca oil spill and the Memorandum of Agreement signed by the participating governments.  
BC EN EV EX PR SC

#### Interim report on climate change

Toronto : Legislative Assembly, Select Committee on Energy, 1990. 8, 9 p. Bilingual (*Rapport préliminaire sur les changements...*).  
MICROLOG 90-06228 1 fiche

The Select Committee on Energy was appointed to examine a broad range of issues related to global climate change. The work of the Select Committee is directed toward identifying the extent to which current provincial energy policy affects carbon dioxide emissions; evaluating the potential for controlling, stabilizing or reducing carbon dioxide emissions; and considering the type of public policy program initiatives to achieve the objectives of limiting the adverse environmental and economic impacts of carbon dioxide emissions. This interim report defines the problem and describes how Ontario's emissions are contributing to it. The Committee was advised by Canadian and international experts in atmospheric sciences, climatic modelling, ecology and energy policy, as well as provincial and federal government representatives, and representatives from the Netherlands, Indonesia and the U.S.  
EV ON PR SC

#### Interim report on dispersal of lobsters *Homarus americanus* tagged off southern Nova Scotia

by A. Campbell. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 29 p. maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2022) ISSN 0706-6473  
MICROLOG 90-01066 1 fiche

The American lobster is one of the most valuable commercial species in the coastal waters of southern Nova Scotia. An understanding of their distribution and migration is therefore essential to management of the stock, yet little is known of their geographic discreteness. As part of an ongoing series of tagging studies of Nova Scotia lobsters, this study determined if there was lobster movement between the east and west side of the Cape Sable area, and the mid- and offshore areas, and whether lobsters make seasonal deep-shallow movements. Lobsters were tagged in the midshore and inshore

areas to take advantage of fishing effort occurring in offshore areas (more than 92 km from the coast), mid- and inshore areas in obtaining recoveries. A total of 9,254 lobsters ranging from 20-173 mm carapace length (CL) were tagged and released at 5 locations from 1983-87. A reward of up to \$5 was paid for tag returns with information on recapture date, location, depth and CL. Data from tag returns up to March 31, 1988 were analyzed in this study.  
● AP CA CF FI SC

#### Interim report on the cost-effectiveness analysis of road weather information systems and enhancement project

IDON Corporation. Toronto : Ministry of Transportation, Research and Development Branch, 1988. iv, 28 p.  
MICROLOG 90-00782 1 fiche

The new system supplements existing off-line communication with video display terminals to provide timelier and more accurate weather information to Ministry road maintenance crews. The graphical displays are intended to improve maintenance decisions reducing the consumption of resources because of winter maintenance and adverse weather conditions. This report develops estimates of the cost-effectiveness of the system.  
ON PR TR

#### Interim report to the Nova Scotia Legislature of the Standing Committee on Public Accounts

Nova Scotia. House of Assembly. Standing Committee on Public Accounts. Halifax : The Committee, 1989. iv, 241 p.  
MICROLOG 90-01951 3 fiche

Contains the report of the Office of the Auditor General, the Nova Scotia Power Corporation, the Provincial Tax Commission, the Courts and Registries Division of the Department of the Attorney General, Sobeys Store Incorporated, the Teachers' Pension Commission, and the Business Capital Corporation.  
AP CO PA PR

#### Internal biocorrosion of steel pipes : final report

by F.G. Ferris and B. Bramhill. Calgary, Alta. : Nova Husky Research Corporation, 1990. ix, 48 p. : ill. Bibliogr. CANMET contract: 99006-01-SQ.  
MICROLOG 90-05673 1 fiche

Evaluation of the effects of biocide dose on the development of corrosive microbial biofilms, corrosion rates, and deposition of corrosion deposits at an oilfield water injection field test facility near Wainwright, Alberta. Attached microbial populations were allowed to develop in 5 test lines during the first 4 weeks of operation during 2 separate experimental runs. Then biocide was injected for 10 weeks into 4 lines in paired combinations of 2 different concentrations and time intervals. A different cocodiamine-based biocide formulation was used in each experimental run. In both cases, the remaining test line was used as an untreated control. Ultraviolet irradiation was used to disinfect input water streams on 2 test lines under biocide treatment during the last 4 weeks of the first experimental run.  
● AL CA CM EN PS SC

#### The Internal structure of ovicells in salmonidae and coregonidae and the taxonomic status of these groups of fishes

by V.N. Ivankov and N.I. Sergienko. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5134) Originally published in Russian, at Moscow,



USSR. ISSN 0704-3716  
MICROLOG 90-00111 1 fiche

At the present time, there are 2 views regarding the taxonomic status of whitefish: those who regard the group as a subfamily, Coregoninae, of the family Salmonidae; and those who regard it as an independent family. Various methods have been used to determine the taxonomic status of this group, including embryological, morphological, biochemical, genetic and paleontological. To this date, there is still no unified opinion on the matter. This paper is an attempt to determine the rank of the differences between the Salmonidae proper, and the Coregonidae, based on a study of the internal structure of oviducts at various stages of growth.  
• CA CF FI LS SC

**International Boundary Commission : Canada and the United States annual joint report, 1987**

Ottawa : Washington : The Commission, 1988. iv, 36, iv, 36 p. : ill. *Bilingual*. CSI 22238.001. MICROLOG 90-03185 1 fiche

The Commission is responsible for keeping the boundary clear and well-marked and making regulatory decisions on proposed projects that cross or adjoin the boundary. This annual report reviews the Commission's field activities. CA EX

**International Boundary Commission : Canada and the United States annual joint report, 1988**

Ottawa : Washington : The Commission, 1989. 45 p. : ill., maps. Bibliogr. *French ed. on the same fiche*. CSI 22238.001. MICROLOG 90-05812 2 fiche

Report on maintenance and regulatory work performed with respect to the international boundary between Canada and the U.S. under provisions of Article IV of the Treaty of Washington (February, 1925). Includes a brief history of the Treaty, a list of US and Canadian commissioners since 1904, and activities carried out by each jurisdiction: British Columbia-Washington/Idaho/Montana, Minnesota-Manitoba, Maine-Quebec, New Brunswick-Maine. Includes brief financial data. CA EX

**International Centre for Ocean Development (Canada) : Annual report 1988-89**

Halifax : The Centre, 1989. 24, 24 p. : ill. *Bilingual*. CSI 99432.001. ISBN 0-662-56735-8. MICROLOG 90-00713 1 fiche

Annual report of the Centre, established in 1985 to initiate, encourage, and support cooperation between Canada and developing countries in ocean resource development. The report covers global projects, and projects in the Caribbean Basin, the South Pacific, the South and West Indian Ocean, and West Africa. A list of project activities completed as of the end of the year is given. A financial statement is included. CA NR PS SC

**International Columbia River Engineering Board : Annual report to the governments of the United States and Canada, 1986-87**

Ottawa : Washington, D.C. : The Board, 1987. vii, 49 p. : ill., maps. CSI 22357.001. MICROLOG 90-02597 1 fiche

This annual report describes activities of the Board, progress being achieved by both countries under the terms of the Treaty, operation of the Treaty projects, and the resulting benefits. It includes summaries of the essential features of the Treaty, the responsibilities of the Board and the entities. CA EV EX NR PA SC

**International Columbia River Engineering Board : Annual report to the governments of the United States and Canada, 1987-88**

Ottawa : The Board, 1988. vii, 49 p. : ill., maps. CSI 22357.001. MICROLOG 90-00886 1 fiche

This annual report describes the activities of the Board, progress being achieved by both countries under the terms of the Treaty, operation of the Treaty projects, and the resulting benefits. It includes summaries of the essential features of the Treaty and of the responsibilities of the Board. CA EV EX NR PA PS SC

**International Columbia River Engineering Board : Annual report to the governments of the United States and Canada, 1988-89**

Ottawa : The Board, 1989. viii, 49 p. : ill. CSI 22357.001. MICROLOG 90-05067 1 fiche

The Columbia River Treaty, which provides for cooperative development of the water resources of the Columbia River basin, was signed in Washington, D.C. on January 17, 1961 by representatives of Canada and the U.S. This annual report, which covers October 1, 1988 to September 30, 1989, describes activities of the Board, progress being achieved by both countries under the terms of the Treaty, operation of the Treaty projects, and the resulting benefits. Summaries of the essential features of the Treaty and of the responsibilities of the Board and the Entities are included. The report provides discussion regarding the operations of the Treaty reservoirs, the resulting power and flood control benefits, and presents the conclusions of the Board.  
• BC CA EN EX NR PS SC

**International Congress on Applications of Lasers and Electro-Optics : trip report**

by L. Mannik. Toronto : Ontario Hydro, Research Division, 1989. 8 p. (Report ; no. 89-306-K). MICROLOG 90-04002 1 fiche

Topics covered at the Congress include developments in alternative laser sources and very high power CO2 laser processing, both of which could lead to more energy efficient laser materials processing. Information was also gathered on optical techniques for laser surface modification, the cutting and welding of non-ferrous metals, and on the economics of the laser welding of automotive parts. EN ON PR PS SC

**International Convention on the Elimination of All Forms of Racial Discrimination : ninth report of Canada**

Ottawa : Dept. of the Secretary of State of Canada, 1988. 45 p. *French ed. (Convention internationale sur l'élimination...)* : 90-03553/1. ISBN 0-662-16819-4. MICROLOG 90-03424 1 fiche

Contains only updated information on this matter, taking into account comments made by members of the Committee on the Elimination of Racial Discrimination during their examination of previous reports, and their requests for additional information. In addition to the general part, which applies to all governments, the report contains information on measures adopted by the Government of Canada, the provincial governments, and the territorial governments. CA CI JU SA

**International Convention on the Elimination of All Forms of Racial Discrimination : tenth report of Canada**

Ottawa : Dept. of the Secretary of State of Canada, 1990. 29, 29 p. *Bilingual (Convention internationale...)*. ISBN 0-662-57292-0. MICROLOG 90-05571 1 fiche

Contains an update of information on measures adopted by the federal, provincial, and territorial governments. Annexes to the document present the proclamation of the International Day of the Elimination of Racial Discrimination in Nova Scotia, and the Montreal Declaration Against Discrimination. CA EX SA

**International interest rate linkages and monetary policy : a Canadian perspective**

by J. Murray and R. Khemani. Ottawa : Bank of Canada, 1989. ii, 53 p. : ill. Bibliogr. (Technical report ; 52). MICROLOG 90-02805 1 fiche

This paper examines the implications of increased international capital mobility and asset substitutability for domestic monetary policy in a small open economy such as Canada. It presents and tests alternative definitions of international financial market integration in the context of two popular macro-economic models. CA CO EX

**International Oil and Gas Markets Conference : proceedings**

CERI International Oil and Gas Markets Conference (6th : 1987 : Calgary, Alta.). Calgary, Alta. : Canadian Energy Research Institute, 1987. 362 p. : ill. Bibliogr. MICROLOG 90-01036 4 fiche (Available on fiche only)

Papers presented at the conference, covering crude oil supply and demand prospects in Nigeria; the deregulation of natural gas in Canada in November 1986 from the consumer's, marketer's, and producer's perspectives; Canadian natural gas market perspectives; the U.S. regulatory environment; Kuwait Petroleum Corp.; the current situation and the medium-term outlook of the world oil market in the Middle East, China, and Europe; the outlook for demand growth in Asian countries; the state of the world oil market; the petroleum industry in China; energy investment and the Pacific Rim LDCs; energy development in Malaysia; natural gas market developments in Western Europe; European refining outlook; oil and gas supply developments in Brazil; the review and outlook for U.S. refiners; and financing requirements of the oil and gas industry in Europe.  
• AL CA EN SC

**International Symposium on Wastewater Treatment and Workshop on Drinking Water : proceedings**

International Symposium on Wastewater Treatment (12th : 1989 : Montreal, Que.). Quebec : Gouvernement du Québec, Ministère de l'environnement, Société québécoise d'assainissement des eaux ; Ottawa : Environment Canada, Conservation and Protection, 1989. xi, 459 p. : ill. Bibliogr. *Reports are in the language of presentation, English or French (Symposium international sur...traitement...)*. ISBN 0-662-57019-7. MICROLOG 90-01586 5 fiche

Papers presented at the Symposium, covering treatment of mine residues and mine tailing wastewaters, soil and sludge decontamination, heavy metal recovery and recycling processes, uses of biological processes, computer modeling, the professional responsibility of engineers in environmental protection, and quality of drinking water.  
• CA EV QU SC



### International Union of Forest Research Organizations, World Congress, division 1 : proceedings

International Union of Forestry Research Organizations. World Congress (19th : 1990 : Montreal, Que.). Hull, Que. : IUFRO Organizing Committee, 1990. 2 v. : ill., maps. Bibliogr. *Reports are in the language of presentation, English, French, German or Spanish (Union internationale des instituts...).* MICROLOG 90-06717 12 fiche

Proceedings of the conference, covering forest environment and silviculture; virgin forests; landscape ecology; environmental influences; prevention and control of torrent erosion, flood and mud flows, snow damage and avalanches; stand establishment, treatment and amelioration; and intensification of cedar silviculture/Mediterranean shrub ecosystems.

• CA FO SC

### International Union of Forest Research Organizations, World Congress, division 2 : proceedings

International Union of Forestry Research Organizations. World Congress (19th : 1990 : Montreal, Que.). Hull, Que. : IUFRO Organizing Committee, 1990. xii, 581 p. : ill., maps. Bibliogr. *Reports are in the language of presentation, English, French or Spanish.* MICROLOG 90-06718 7 fiche

Proceedings of the congress, covering forest plants and protection; stress physiology; white pine provenance and breeding; nuclear gene expression in woody plants and conifers; air pollution effects and interactions with biotic stresses, diseases caused by mycoplasma and virus; pine rust resistance; insects affecting reforestation, priorities in etymological research in the tropics; the role of plantations in timber supply and forest conservation; trees that fix nitrogen; diagnosis and monitoring of air pollution effects and their biochemical and physiological aspects, effects of air pollution on soils; and restoration of forest ecosystems damaged/destroyed by air pollution. Summaries of voluntary papers and poster presentations are also given.

• CA FO SC

### International Union of Forest Research Organizations, World Congress, division 3 : proceedings

International Union of Forestry Research Organizations. World Congress (19th : 1990 : Montreal, Que.). Hull, Que. : IUFRO Organizing Committee, 1990. viii, 391 p. : ill. Bibliogr. *Reports are in the language of presentation, English or German.* MICROLOG 90-06721 5 fiche

Proceedings of the invited papers, covering forest operations and techniques; tree harvesting, processing and utilization, operational methods in the establishment and treatment of stands; operational planning and control/work study; forest operations in the tropics and under mountainous conditions, ergonomics; and small-scale forestry. Summaries are given for voluntary papers and abstracts are given for poster presentations.

• CA FO SC

### International Union of Forest Research Organizations, World Congress, division 4 : proceedings

International Union of Forestry Research Organizations. World Congress (19th : 1990 : Montreal, Que.). Hull, Que. : IUFRO Organizing Committee, 1990. xvi, 508 p. : ill. Bibliogr. *Reports are in language of presentation, English, Spanish or French.* MICROLOG 90-06822 6 fiche

Invited papers presented at the Congress, as well as summaries of voluntary papers and abstracts of poster papers. Abstracts are given for each invited paper. Areas covered

include research in forest mensuration, growth and yield; inventory, monitoring, growth and yield relationships; design, performance and evaluation of experiments; management planning and managerial economics; forestry and rural development in developing countries; forestry in sustainable economic development; conceptual advances in multiple-use forestry evaluations; economic evaluation of forest damages; supply and demand of roundwood and forest industry products; forestry and rural development in industrialized countries; analysis and evaluation of forest policies; forest institutions and organizations, biological and economical considerations when harvesting young thinning stands, applied sector modelling; and structural changes of the forest sector in a global perspective.

• CA FO SC

### International Union of Forest Research Organizations, World Congress, division 5 : proceedings

International Union of Forestry Research Organizations. World Congress (19th : 1990 : Montreal, Que.). Hull, Que. : IUFRO Organizing Committee, 1990. x, 514 p. : ill., maps. Bibliogr. *Reports are in the language of presentation, English or Spanish.* MICROLOG 90-06753 6 fiche

Proceedings of the congress, covering wood quality needs and quality of wood structural materials; pollination effects on forest trees; variation in wood formation; wood quality, end use requirements and their associated economic values; clonal forestry and its impact on wood properties; protection from fire; efficient processing for quality products; future wood drying; quality new wood adhesives; future milling and machining and production systems; composites for the future; implementation of R&D on energy and chemicals from biomass; future use of bamboo and related species; and forest products marketing internationally. Summaries of voluntary papers and abstracts of poster presentations are also included. Papers are presented mainly in English, but also Spanish.

• CA FO SC

### International Union of Forest Research Organizations, World Congress, division 6 : proceedings

International Union of Forestry Research Organizations. World Congress (19th : 1990 : Montreal, Que.). Hull, Que. : IUFRO Organizing Committee, 1990. viii, 331 p. : ill. Bibliogr. *Reports are in language of presentation, English, German, Spanish or French.* MICROLOG 90-06823 4 fiche

Invited papers given at the World Congress, as well as summaries of the voluntary papers and abstracts of poster papers. Abstracts are included for each invited paper. Areas covered included forest aspects of supply/landscape management and planning/recreation demand of forests; current and expected advances by the 21st century in forest statistics and simulation/statistical methods, mathematics and computers; information systems and terminology; Europe/North America/tropical forest history from 1630-1830; transfer of forest technology in the 1990s; and forest research quantity and quality.

• CA FO SC

### Interpretation of an aeromagnetic survey in the Lynn Lake area, Manitoba

by D.H. Hall, T. Millar and K.H. Mok. Winnipeg : Dept. of Energy and Mines, Mineral Resources Division, 1981. 115 p. : ill., maps. Bibliogr. (Open file report ; OF 81-1) MICROLOG 90-05348 2 fiche

The report of an aeromagnetic interpretation project, covering an area of 5,350 sq km in NTS area 64C in the vicinity of Lynn Lake.

The aeromagnetic surveys were conducted in March, November and December 1976 and March 1977. This report presents the interpretation of the survey and describes the digital data file and the ground surveys of magnetic properties, giving quantitative and qualitative interpretations of magnetic anomalies. MS NR PR PS SC

### Interpretation of deflection basin for real-world materials in flexible pavements

by F.W. Jung. Toronto : Ministry of Transportation, Research and Development Branch, 1990. 29 p. : ill. Bibliogr. MICROLOG 90-05539 1 fiche

The PROBE computer program was developed to calculate critical response parameters in the top layer and subgrade of flexible pavements, under the test load of a falling weight deflectometer. The Boussinesq hyperbola, which describes surface deflections from a single concentrated static load at a distance from the load axis, was used to compute subgrade moduli. This original PROBE program was tested on an experimental site north of Toronto. Two adjacent pavement sections of different strengths were built on the same uniform subgrade, but inconsistencies were discovered for the calculated subgrade moduli. This report describes both the original and the new PROBE programs.

ON PR PS SC TR

### Interprovincial barriers to trade in agriculture and food products

interprovincial Conference of Ministers and Deputy Ministers of Agriculture (1989 : Prince Albert, Sask.). Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 4, 5 p. *Bilingual (Obstacles au commerce interprovincial...).* MICROLOG 90-02632 1 fiche

The movement of goods and services within Canada is hindered by both federal and provincial government measures, reducing the ability of Canadian industries to compete in global markets. At the 1988 Conference, a study was presented identifying 169 interprovincial trade barriers and examining ways of reducing them, with food standards identified as a priority issue. This paper refocuses the discussion on how the provincial and federal departments of agriculture should address the issue of interprovincial trade barriers in agricultural and food products. The paper describes the developments since the 1988 conference, discusses possible approaches, and sets out 3 recommendations.

• AG CA CO

### Intersection casualty accidents : trends, characteristics, persons involved, and consequences, British Columbia, 1985

by G.W. Mercer. Victoria : Ministry of Attorney General, Police Services Branch, CounterAttack Program, 1987. 21 p. Bibliogr. MICROLOG 90-03076 1 fiche

Traffic accidents where one road crosses another make up almost half of all traffic accidents that produce injury or death in B.C. In urban areas intersection casualty accidents comprise over half of all casualty accidents. In order to devise countermeasures aimed at reducing these accidents, it is necessary to know the characteristics of the accidents and of the drivers involved. This paper examines intersection casualty accidents in B.C. for their trends and patterns, time and conditions, vehicles involved, pre-collision and collision events, post-collision events and contributing factors, drivers and passengers, victims, and charges laid.

BC PR SC TR



# Intervenants en information électronique et en télématique

Québec : Gouvernement du Québec, Ministère des communications, Direction générale des technologies de l'information, 1989. 41 p. ISBN 2-550-20130-2  
MICROLOG 90-01123 1 fiche

Ce répertoire est divisé en quatre sections. La première présente l'index alphabétique des intervenants. La deuxième décrit brièvement l'expertise des entreprises du secteur privé en matière d'information électronique et de télématique. La troisième dresse la liste les intervenants du secteur public (ministères, organismes, sociétés d'Etat) qui offrent des services d'information en ligne. La quatrième présente un lexique de termes associés à l'information électronique et à la télématique.  
PR QU SC TE

# The Intestinal tube absorption process with regard to shaped components : sumi powder, tubercle bacilli, blood corpuscle powder, carmine

by K. Kumagaya. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 6 p. (Canadian translation of fisheries and aquatic sciences ; no. 5422) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-01524 1 fiche

According to traditional general physiological principles, the absorption of substances by the muscles, stomach and intestinal tube takes place in liquids and dissolved substances. This is not necessarily always the case, since shaped bodies, such as tubercle bacilli are also absorbed by the digestive tube. There are extremely few histological studies explaining through what part of the intestines and by what process these tubercle bacilli achieve their penetration or by which route they enter the body. This study was undertaken to clarify these questions and to examine the process whereby sumi powder, carmine, and blood corpuscle powder are absorbed inside the digestive tube.  
● CA CF FI LS SC

# The Intraspecific structure and principles of pink salmon forecasting in the Sakhalin-Kuril basin

by V.N. Efanov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 8 p. (Canadian translation of fisheries and aquatic sciences ; no. 5467) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-00607 1 fiche

The 300 main spawning rivers of Sakhalin, with an area equal approximately to 24 million sq m, are the reproduction grounds of a number of pink salmon communities having a complex intraspecific structure. This paper establishes the differentiation of the various populations, their genetic diversity, the different spawning grounds, and fluctuations in numbers.  
● CA CF FI SC

# Introduction and management of new boars

Edmonton : Alberta Agriculture, Pork Industry Branch, 1990. 4 p. (Alberta pork production handbook)  
MICROLOG 90-05950 1 fiche

This pamphlet on the introduction and management of new boars covers segregation, introduction to breeding, fertility check, housing, feeding, and breeding management.  
AG AL PR SC

# Introduction and use of computers in small businesses : a study of the perceptions and expectations of managers

by L.A. Lefebvre, E. Lefebvre and J. Ducharme. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1987. 106 p. Bibliogr. French ed. (L'Introduction et l'utilisation...) : 90-02340/2. ISBN 0-662-16254-4  
MICROLOG 90-02331 2 fiche

In 1985, the Centre des dirigeants d'entreprise submitted a research project to the Canadian Workplace Automation Research Centre to determine how computerization might be made more attractive and accessible to small businesses. This document examines perceptions and expectations at the organizational, operational, and technical level. It draws conclusions regarding the positive and negative effects of computerization.  
CA CO PS SC

# Introduction and use of information systems in small businesses : a study of the perceptions and expectations of managers : summary

by L.A. Lefebvre, E. Lefebvre and J. Ducharme. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1987. 23 p.  
MICROLOG 90-05456 1 fiche

Project to measure the perceptions and expectations of small business managers in the introduction and use of information technology in their business and to assess their degree of satisfaction with their information systems, as well as to identify a number of businesses whose managers would be interested in actively participating in an experiment in implementing computer systems in a controlled setting. The sample was composed of 40 managers whose companies possessed and used computer equipment for management activities, plus 5 companies which were at the point of computerization. Companies were chosen for sector of activity, size, and geographical distribution. Data was collected using individual and group interviews.  
CA PS SC TE

# Introduction au Tribunal canadien du commerce extérieur

Tribunal canadien du commerce extérieur. Ottawa : le Tribunal, 1990. 7, 7 p. : Bilingue (Introduction to...)  
MICROLOG 90-04582 1 fiche

Ce tribunal est en place depuis le 31 décembre 1988. Il assume tous les pouvoirs d'enquête et d'appel de la Commission du tarif, du Tribunal canadien des importations et de la Commission du textile et du vêtement, qui ont été abolis. Ce livret fait partie d'une série de publications conçues pour renseigner le public sur les fonctions du Tribunal canadien du commerce extérieur.  
CA CO EX

# L'Introduction et l'utilisation de l'informatique dans les petites entreprises : étude des perceptions et des attentes de leurs dirigeants

par L.A. Lefebvre, E. Lefebvre et J. Ducharme. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 125 p. Bibliogr. L'éd. anglaise (Introduction and use...) : 90-02331/2.  
MICROLOG 90-02340 2 fiche

Au mois d'août 1985, le Centre des dirigeants d'entreprise (CDE) déposait auprès du Centre canadien de recherche sur l'informatisation du travail (CCRIT) un projet de recherche portant sur l'analyse des besoins et des perceptions

des gestionnaires des PME à l'endroit de l'introduction de l'informatique comme outil de gestion. Dans cet esprit et conformément aux attentes du CDE et du CCRIT, des membres du Groupe de Recherche sur la Gestion de la Technologie (CRGT) du Département des sciences administratives de l'Université du Québec à Montréal ont présenté en janvier 1986 un projet permettant de cerner certaines de ces questions. Ce document en présente les résultats.  
CA CO PS SC

# An Introduction to business improvement areas

Victoria : Ministry of Municipal Affairs, Recreation and Culture, 1988. 29 p. : ill.  
MICROLOG 90-02638 1 fiche

A Business Improvement Area (BIA) is a system that allows property owners and business owners in an area to pool their efforts and funds for marketing, planning, and management activities that can improve the business area. This document provides a brief introduction to the BIA concept and how it works.  
BC CO PR

# An Introduction to soil fertility

by D. Morris. Toronto : Ministry of Agriculture and Food, 1990. 4 p. (Factsheet) ISSN 0225-7882  
MICROLOG 90-05344 1 fiche

Summary of the factors involved in soil fertility, including the amount of essential elements or nutrients, toxicities resident in the soil, the nutrient holding capacity, cation exchange and anion retention, base saturation, and nutrient mobility and fertilizer placement.  
AG ON PR SC

# Introduction to the Canadian International Trade Tribunal

Canadian International Trade Tribunal. Ottawa : The Tribunal, 1990. 7, 7 p. Bilingual (Introduction au...)  
MICROLOG 90-04582 1 fiche

Includes an introduction to the Canadian International Trade Tribunal; appeals from customs and excise decisions; dumping and subsidizing injury inquiries; import safeguard complaints by domestic producers; import safeguard complaints concerning the general preferential tariff or CARIBCAN; and general inquiries into economic trade and tariff matters.  
CA CO EX

# Inuit Control of Inuit Education : self-determination in native education in the circumpolar north : proceedings of the seminar

editors, Malcolm Farrow and David Wilman. Yellowknife : Dept. of Education, 1989. iv, 180 p. Bibliogr.  
MICROLOG 90-05026 2 fiche

Contains papers which address the following issues: education and the circumpolar nativistic movement, northern educational development in the Yukon context, community control in native education, the Baffin Divisional Board, rural schools in a technological world, native teacher training, and curriculum development.  
ED NO NP PR

# Inventaire canadien des émissions des principaux contaminants atmosphériques, 1985

par A. Kostelz et M. Deslauriers. Ottawa : Environnement Canada, Service de la protection de l'environnement, 1990. xxii, 116 p. : ill. Bibliogr. (Rapport : SPE 5/AP/3) L'éd. anglaise (Canadian emissions inventory...) : 90-04604/2. ISBN 0-662-95924-8  
MICROLOG 90-04603 2 fiche



Ce rapport expose les résultats de l'inventaire national des émissions de 1985 et décrit les méthodes générales utilisées pour l'établir. On y traite aussi du système informatique de traitement des données ainsi que des renseignements additionnels rassemblés en vue d'activités de modélisation.  
CA EV SC

### **Inventaire de la recherche sur l'enseignement supérieur**

Association des universités et collèges du Canada. Ottawa : Secrétariat d'Etat du Canada, 1988. 185 p. Bibliogr. Bilingue (*Inventory of research...*)  
MICROLOG 90-00040 2 fiche

Ce document porte sur l'inventaire de la Recherche sur l'Enseignement supérieur et se divise en trois sections: provinciale, fédérale et par association. On y donne, par section, les données en ordre chronologique et on les présente comme suit: titre du projet, nom du chercheur principal, date de début et d'achèvement, description du projet, et publication émanant des travaux: auteur, titre et source.  
CA ED

### **Inventaire des forêts du Canada, 1986**

préparé par Forêts Canada ; en collaboration avec le Comité de l'inventaire forestier. Ottawa : Forêts Canada, 1988. iv, 60 p. : ill., cartes géogr. Bibliogr. L'édition anglaise (*Canada's forest...*) : 90-01215/1.  
CSI 22189.210F ISBN 0-660-13138-2  
MICROLOG 90-01316 1 fiche

Ce rapport est le document officiel de l'inventaire des forêts du Canada. Il présente les données de base sur les superficies et les volumes de bois ainsi que des données additionnelles sur la densité relative, la productivité, le bois de rebut, les relations dimensions/volume de l'arbre et les politiques restrictives en matière de gestion des ressources.  
CA FO SC ST

### **Inventaire des superficies cartographiées non régénérées**

par J.-Y. Perron et R. Rouleau. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service de l'inventaire forestier, 1985. 23 p. : ill.  
MICROLOG 90-02510 1 fiche

Ce document présente une méthode d'inventaire relativement simple et rapide, permettant d'évaluer la proportion réelle des superficies non régénérées parmi les strates identifiées comme telles sur les cartes forestières produites dans le cadre du programme d'inventaire forestier. Cette méthode permet de quantifier et de localiser ces superficies non régénérées. Elle fut appliquée avec succès dans la région de Trois-Rivières.  
FO PR QU SC

### **Inventaire des terres fédérales de la division d'enregistrement d'Abitibi (84)**

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service de l'intégrité du territoire, 1989. 212 p.  
MICROLOG 90-02988 5 fiche

Le Service de l'intégrité du territoire est chargé de mettre à jour et de refondre les rapports d'inventaire des terres fédérales des régions administratives sur la base des divisions d'enregistrement du Québec. Pour les terres fédérales de la Division d'enregistrement d'Abitibi, l'inventaire couvre la période allant jusqu'en octobre 1987. La compilation des données relatives aux terres fédérales a notamment pour objectifs de favoriser la connaissance du domaine public fédéral, la centralisation et l'accès aux documents pertinents, la diffusion de l'information régionale

et thématique, la vérification des conditions de cession des terres publiques québécoises au gouvernement du Canada ou aux organismes fédéraux.  
PR PW QU SC

### **Inventaire et caractérisation des sites de frai potentiels de l'Esturgeon noir *Acipenser oxyrinchus* (Mitchill) sur la rivière Bersimis, Québec**

par R. Domingue...et al. Québec : Ministère des pêches et des océans, Division de l'habitat du poisson, 1990. vii, 11 p. Bibliogr. (Rapport manuscrit canadien des sciences halieutiques et aquatiques ; no 2073) ISSN 0706-6589  
MICROLOG 90-05446 1 fiche

Dans le cadre du Plan d'action Saint-Laurent, le ministère des Pêches et des Océans du Canada a élaboré un programme visant à accroître les connaissances sur certaines espèces aquatiques méconnues ou menacées du fleuve, dont l'Esturgeon noir *Acipenser oxyrinchus*. Cette étude a pour objectifs l'identification et la caractérisation des frayères potentielles d'Esturgeon noir sur la rivière Bersimis, ainsi que la description des spécimens capturés.  
• CA CF FI QU SC

### **Inventaire national des sources et des émissions de benzène, 1985**

par A.P. Jaques. Ottawa : Environnement Canada, Service de la protection de l'environnement, 1990. xii, 67 p. : ill. Bibliogr. (Rapport ; SPE 5/AP/1) L'édition anglaise (*National inventory of sources...*) : 90-04606/1.  
ISBN 0-662-95923-X  
MICROLOG 90-04605 1 fiche

L'objet du présent rapport est de résumer les estimations des émissions de benzène dans l'environnement en 1985. Les émissions ont été classées par source, secteur et province. On a effectué les calculs en se fondant sur des données d'échantillonnage, des facteurs d'émission établis pour les divers procédés examinés et des chiffres de production. Le document fournit un bref résumé des sources et utilisations du benzène et de ses effets sur la santé ainsi qu'une analyse et une description des tendances quant aux émissions de benzène.  
CA EV SC

### **Inventaire national des sources et des émissions de dioxyde de carbone, 1987**

par A.P. Jaques. Ottawa : Environnement Canada, Service de la protection de l'environnement, 1990. xvii, 40 p. : ill. Bibliogr. (Rapport ; SPE 5/AP/2) L'édition anglaise (*National inventory of sources...*) : 90-05430/1. ISBN 0-662-96161-7  
MICROLOG 90-05304 1 fiche

Les estimations des quantités de dioxyde de carbone libérées dans l'environnement sous forme d'émissions en 1987 sont résumées dans ce rapport. Les émissions ont été classifiées par source, secteur, province et type de combustible. Les estimations présentées sont fondées sur des données d'échantillonnage, des données sur la production et des équations stoechiométriques. Le rapport comprend un résumé concis des sources de dioxyde de carbone ainsi qu'une analyse détaillée des méthodes utilisées pour estimer les émissions.  
CA EV SC

### **Inventaire permanent du parc résidentiel canadien par provinces, II : flux et stocks de logements 1981-1981, prévisions 1986-2001**

par R. Vergés-Escuin. Ottawa : Société canadienne d'hypothèques et de logement, 1988. 122 p. Bibliogr.  
MICROLOG 90-01277 2 fiche

La modélisation du parc de logements permet de construire pour chaque province, l'inventaire permanent par période de construction selon le type de logement. Par inventaire permanent on entend un système de comptabilité qui rend compte en chaque année du nombre de logements existants. Ce document présente la reconstitution longitudinale du parc de logements par type et période de construction selon la province jusqu'en 1986; les projections du parc total de logements par type et période de construction selon la province jusqu'en 2001; les flux et stocks de logements par type et période de construction selon la province, 1880-1985; les prévisions de demande de nouveau logement par type et province; et, les tableaux de l'inventaire permanent par type et période de construction selon la province.  
CA EV PL SC

### **Inventaire sommaire de petits boisés**

par C. Noel et R. Rouleau. Québec : Ministère de l'énergie et des ressources, Service de l'inventaire forestier, 1989. 59 p. : ill. ISBN 2-550-20179-5  
MICROLOG 90-02759 1 fiche

Ce document s'adresse à toute personne qui a un minimum de connaissances en foresterie et qui veut faire l'inventaire d'un boisé dont la superficie peut varier de 10 à 100 hectares. La méthode décrit d'une façon simple, le processus à suivre et les formules à employer pour produire une carte et les résultats correspondants. Cet inventaire est divisé en étapes bien distinctes soit: la carte de base, le plan de sondage, le sondage en forêt, la carte forestière, les compilations, et le rapport. Ces étapes sont expliquées une à une, de sorte qu'à la fin, l'utilisateur a en main une carte forestière et un rapport donnant les volumes de bois par strate (tous les peuplements de même identification) et pour l'ensemble du lot.  
FO PR QU SC

### **Inventory and consistency analysis of population projections in Western Canada : discussion paper**

by M.M. Lalu. Edmonton : University of Alberta, Centre for Criminological Research, 1979 30 p. Bibliogr. (Discussion paper ; 19) ISSN 0824-5134  
MICROLOG 90-05011 1 fiche

Inventory and analysis of population projections at the local and regional levels undertaken by various agencies in Western Canada. The study evaluates the methodology used by various agencies and city planning departments in making population projections. Recommendations are included.  
AL PR SA

### **An Inventory of Alberta Agriculture's soil and water programs**

Edmonton : Alberta Agriculture, 1989. iv, 46 p. Bibliogr.  
MICROLOG 90-03513 1 fiche

This document presents a comprehensive review and evaluation of existing soil and water programs, and identifies strengths, weaknesses, and opportunities for change and modification. The scope of the review includes all non-irrigation soil and water programs within Alberta Agriculture and the Agricultural Development Corporation, and only involves programs which apply to private lands.  
AG AL PR

### **An Inventory of human rights teaching materials -- Updated**

Winnipeg : Manitoba Human Rights Commission, 1989. 155 p. Citations are listed in language of document  
MICROLOG 90-06256 2 fiche

This inventory is designed to help educators more efficiently locate resources for teaching about human rights in the classroom. Types



of materials include: teaching units and guides, reference books, multi-media kits, filmstrips, tapes, video cassettes, supplementary curricular materials and other bibliographies. It lists the source libraries alphabetically. Under each library, materials are classified according to the following topics: general information about human rights; stereotyping, prejudice and discrimination - general; discrimination - disability; discrimination - race; discrimination - sex/gender; multicultural education.  
ED JU MS PR

#### Inventory of income security programs in Canada, January 1988

Ottawa : Health and Welfare Canada, 1989. xi, 247 p. : ill. French ed. (*Répertoire de programmes...*) : 90-01373/3. CSI 21112.005. ISSN 0833-3475 ISBN 0-662-17148-9  
MICROLOG 90-01372 3 fiche

Contains descriptive and statistical information on approximately 100 federal, provincial and municipal programs providing financial benefits to Canadians. It provides tables which list the various programs included in the report, by jurisdiction and by program type.  
CA CO SA

#### Inventory of research on postsecondary education

Association of Universities and Colleges of Canada. Ottawa : Dept. of the Secretary of State of Canada, 1988. 185 p. Bibliogr. Bilingual (*Inventaire de la recherche...*). MICROLOG 90-00040 2 fiche

The document is organized into three sections: provincially, federally, and by association. Within each section, individual entries are arranged in chronological order with the information presented as follows: project title; principal investigator; start/completion date; project description; and any subsequent publication(s).  
CA ED

#### Invertebrate sample data from the Campbell and Fraser River estuaries from natural and developed fish habitats, 1987 and 1988

by T.R. Whitehouse...et al. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989. iii, 39 p. : maps. (Canadian data report of fisheries and aquatic sciences ; no. 762) ISSN 0706-6465  
MICROLOG 90-01118 1 fiche

Data are presented on the invertebrates collected at both the Campbell and Fraser River estuaries as part of a study to compare the productivity of natural and reclaimed fish habitats. Collection methods used included insect-emergence trapping, benthic quadrat sampling, and dredge sampling. Marsh plant samples were also collected from one area of the Fraser River estuary.  
● BC CA CF FI LS SC

#### An Investigation into allegations of administrative favouritism by the Ministry of Forests to Doman Industries Ltd.

Victoria : Ombudsman of British Columbia, 1989. 41 p. (Public report ; no. 20)  
MICROLOG 90-00758 1 fiche

In April 1989 a complaint was received against Doman Industries, alleging the failure of the company to adhere to allowable annual cut (AAC) requirements as established; the lack of any penalty imposed by the Ministry even though firms in similar circumstances suffered a reduction in AAC; forestry trespass; and general concerns such as adequacy of silvicultural regeneration of harvested lands and an increase in the rate of harvest in an area deemed to be environmentally sensitive. This report presents the results of the investigation

following a review of the relevant files, interviews with various levels of resource and public officials up to the ministerial level, and senior officers of Doman Industries. The company's new log merchandising plant at Duke Point near Nanaimo was inspected, and a professional silviculture evaluation was carried out in August 1989.  
BC FO PA PR SC

#### Investigation into methods and costs for disposal of removed underground petroleum storage tanks and associated contents

by D.A. Johnston and D.E. Jardine. Charlottetown : Dept. of the Environment, 1989. iv, 52 p. : ill. Bibliogr. MICROLOG 90-01699 1 fiche

Disposal options and costs are examined for removed steel underground petroleum tank systems and associated sludges in both Canada and the U.S. Regulatory agencies in Canada and 13 states were contacted for information on disposal methods currently practiced and regulations specifically governing tank disposal. Information for this report was derived from 200 responses to questionnaires on all aspects of tank removals forwarded by mail to known installers and removers of underground petroleum storage tank systems in Canada.  
AP EN EV PR SC

#### An Investigation into the dust settling/impaction rates in CBDC's underground coal mines

by G.W. Bonnell. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1990. vii, 44 p. : ill. Bibliogr. (Report ; CRL 90-5(IR))  
MICROLOG 90-07113 1 fiche

Investigation of the settling/impaction rates of dust in the return roadways of the Cape Breton Development Corporation's retreat longwall operations. Surveys were conducted at Prince Colliery's 8 West return on November 5, 1989 and at Phalen Colliery's 2 West return on December 5, 1989. The instruments used were Casella (Rotheros-Mitchell) SIMPEDS MK2 cyclone sampling heads fitted with Gillian/Dupont constant flow pumps; Hund (real-time) TM-Data dust monitoring systems; and Marple cascade impactors (Model 298) fitted with Gillian/Alpha-1 constant flow pumps.  
● AP CA CM EV NR SC

#### Investigation of a practical method for measuring the surface area of metal powders

by C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1974. i, 18 p. : ill. Bibliogr. (Report ; PM-R 74-10)  
MICROLOG 90-04660 1 fiche

The surface area of metal powders is an important parameter in characterizing physical and metallurgical properties such as sinterability, compressibility, interparticle frictional forces, and green strength. The method normally used is the Brunauer, Emmett, and Teller (BET) gas adsorption method, but the analysis is time-consuming and the cost of the equipment is high. This investigation examined the feasibility of developing a simple and economical method of measuring surface area by depositing a thin, uniform coating of a known thickness of a suitable metal on all powder particles and calculating the area from the weight gain. Two iron powders were plated using a commercial, electroless nickel-plating solution and the areas of the powders were calculated.  
● CA CM NR PS SC

#### Investigation of an interference problem with the emergency power generators at Darlington NGS

by M.K.G. Stelter. Toronto : Ontario Hydro,

Research Division, 1989. 13 p. (Report ; no. 89-207-K)

MICROLOG 90-00424 1 fiche

At Darlington Nuclear Generating Station A an interference problem caused the emergency power generator 1 to trip off on start up. The problem involved intermittent chattering of the output of one of the speed monitors used in the generator's control system. This report outlines the results of the investigation into this problem. It describes the nature of the interfering noise on the control system wiring, identifies the major sources of the noise and suggests measures for alleviating problems or potential problems.  
EN ON PR PS SC

#### Investigation of calcium magnesium acetate (CMA) and sodium formate (NaFo) for use as a de-icer at Transport Canada airports

prepared by G.B. Hamilton...et al. ; for Transportation Development Centre, Policy and Coordination Group, and Airports Authority Group, Transport Canada. Ottawa : Sypher/Mueller, 1989. xx, 118 p. : ill. Bibliogr. MICROLOG 90-05795 2 fiche

Recent concern over the impact of urea on the surrounding environment, when used as a de-icer, has resulted in the search for a de-icer with less severe environmental impact. This report reviews past and current R&D relating to calcium magnesium acetate (CMA). Sodium formate was later added to the study as this chemical shows potential for highways. The urea, CMA and sodium formate knowledge base was analyzed to determine research gaps requiring further investigation before adopting widespread use of CMA or sodium formate in an airport environment. Areas of investigation included aircraft materials compatibility; operational effectiveness; environmental impact; airport runway materials compatibility; cost/benefit; and technical specifications.  
CA SC TR

#### An Investigation of large-scale upper-air flow as a means of explaining the teleconnections between long-term glacier mass balance variations on Mount Logan and long-range spatially-averaged precipitation variations in the prairie/steppe regions of North America and Eurasia (U.S.S.R.)

by S. Fogarasi and G. Holdsworth. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 28 p. : ill., maps. Bibliogr. (NHRI contribution ; no. 88012) ISSN 0838-1992  
MICROLOG 90-02457 1 fiche

A significant positive correlation was found to exist between the annual net mass balance time series obtained from Mount Logan, Yukon Territory and the areal mean of the November-March precipitation from the Steppe and Forest-Steppe region of the central U.S.S.R. between 1900 and 1970. This report describes this phenomena and presents some possible explanations.  
CA EV EX NO SC

#### Investigation of photovoltaic/battery hybrid system for powering the high Arctic data communications system : final report

by C.L. Gardner. Ottawa : Dept. of National Defence, Research and Development Branch, 1989. iv, 55 p. : ill. Bibliogr. (CRAD report ; 2/89)  
MICROLOG 90-02818 1 fiche

The High Arctic Data Communications System (HADCS) was established to provide reliable communication between CFS Alert and Ottawa. This system includes a ground link from Alert to Eureka and a satellite link from Eureka to Ottawa. HADCS includes six unmanned



microwave repeaters that are located on the top of mountains between Alert and Eureka. These repeater stations are powered at the present time using SAFT 608Z 2000 Ah air depolarized (zinc-air) primary cells. Each repeater has two banks of batteries; annual battery maintenance is required. Because of the remoteness of the HADCS sites and the weight of the battery system, replacement of the batteries is a major operation.  
CA EN NO PS SC TE

#### Investigation of pure tones generated by orifices

by R.G. Ko. Toronto : Ontario Hydro, Research Division, 1989. ii, 18 p. : ill. (Report ; no. 89-103-K)  
MICROLOG 90-01174 1 fiche

As a result of the vibration problem in the ROH balance line at Darlington Nuclear Generating Station, a parametric study of pure tones produced by orifices was conducted in a high temperature and pressure flow loop covering 10 orifice configurations and various combinations of temperature and flowrate. The acoustic intensity technique was used to identify and measure the flow of acoustic energy from the source of the excitation.  
EN ON PR PS SC

#### Investigation of stripping of volatile organic contaminants in municipal wastewater treatment systems, phase I

by J.P. Bell, I. Osinga and H. Melcer. Toronto : Environment Ontario, 1988. xii, 278 p. ISBN 0-7729-4720-1  
MICROLOG 90-00868 4 fiche

A field sampling program was carried out at 4 Ontario municipal wastewater treatment plants to characterize the emissions of volatile organic contaminants (VOCs) to the atmosphere from aerated process vessels. Off-gas and wastewater samples were taken from aerated grit chambers and aeration basins at the 4 plants. A comprehensive literature review was conducted covering theoretical and experimental work related to volatilization of VOCs from water and wastewater systems. The measured VOC emissions were compared with the predictions of several mass transfer models.  
EV ON PR PW SC

#### An Investigation of the extent of the Fresnel region of aperture antennas with attention to superdirectivity

by S. Charland. Ottawa : Defence Research Establishment Ottawa, 1989. xv, 90 p. : ill. Bibliogr. (Technical note ; no. 89-20)  
MICROLOG 90-01950 2 fiche

This technical note describes the principles governing superdirective antennas and the factors limiting their realization. A criterion for determining the minimum distance to the far field of aperture antennas, including superdirective antennas, is presented. A modified criterion is also presented which defines the minimum distance to the far field in a given direction.  
CA EX PS SC TE

#### Investigation of the mechanism of hydration in high volume fly ash-Portland cement binders : final report

prepared by E.E. Berry, R.T. Hemmings, B.J. Cornelius : for CANMET, MSL Division. Mississauga, Ont. : ORTECH International, 1989. iv, 77 p. : ill. Bibliogr. CANMET contract: 79213-01-SQ  
MICROLOG 90-05647 1 fiche

Investigation of high-volume fly ash Portland cement binders, the physical and chemical properties of which have been characterized up to 365 days of curing. At appropriate ages, specimens were examined from 2 sets of superplasticized mortars or pastes (one series

made with Portland cement only, the other containing high-volumes of fly ash substituted for cement). Physical investigations were made of compressive strength development, pore structure by porosimetry, and morphology by scanning electron microscopy. Chemical examination was conducted for solid phase composition and degree of hydration by X-ray diffraction and thermal analysis, and for pore-fluid composition by high pressure extraction and analysis.  
• CA CM NR PS SC

#### An Investigation of the transfer of monopulse tracking between two coherent point sources

by S. Charland. Ottawa : Defence Research Establishment Ottawa, 1989. ix, 27 p. : ill. Bibliogr. (Technical note ; no. 89-15)  
MICROLOG 90-01801 1 fiche

Investigation dealing with the effects of phase and amplitude differences between 2 coherent point source radiators on the tracking behaviour of a monopulse radar. The tracking function of the radar is modelled in a single plane containing 2 point sources located at a finite distance from the radar antenna. The complex illumination of the antenna aperture by the point sources and the resulting monopulse sum and difference antenna responses are derived, including the effects of finite range. The monopulse discriminator characteristic is formed using the antenna responses. A set of calibration curves are presented which show the transfer of the tracking point of the radar from one source to the other as the phase and amplitude differences between the sources vary.  
CA EX PS SC TE

#### Investigation of the use of porous membranes for the treatment of crude oil emulsions : final report

Zenon Environmental Enterprises, Ltd. Burlington, Ont. : The Corporation, 1989. ii, 86 p. : ill. Bibliogr. CANMET contract: 79169-01-SQ  
MICROLOG 90-03963 1 fiche

Assessment of the technical feasibility of treating water-in-oil emulsions from in-situ bitumen/heavy oil recovery operations using porous membranes. The treatment removes water from the oil to meet pipeline specifications for water in oil of 0.5%. This study evaluated the feasibility of the oil permeation process, in which oil is driven through the membrane by the applied pressure and the oleophilic nature of the membrane material while the water in the emulsion is retained and concentrated on the feed side of the membrane because of the size of the water droplets and the hydrophobic nature of the membrane material. The second process evaluated was a water permeation process which destabilized the water-in-oil emulsion by removal of the salts and surfactants which stabilize the emulsion. Water and caustic were added to the water-in-oil emulsion to produce an oil-in-water emulsion and then the water together with the extracted salts and surfactant is removed by porous membrane filtration.  
• CA CM EN PS SC

#### Investigation report into the circumstances attending the capsizing of the Canadian fishing vessel *Strider King* following a collision with the Canadian log barge *Seaspan Harvester* off the north coast of Vancouver Island on June 18, 1986

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1987. 27 p. : ill. (Report ; no. 464)  
MICROLOG 90-04775 1 fiche

Report on the collision of a fishing vessel with a log barge off the north coast of Vancouver Island. The report includes details of the two

vessels, background information, a narrative of the incident, an analysis, and findings. Also included are regulations for the prevention of collisions, detailed maps of the area, and photographs of the incident.  
BC CA FI SC TR

#### Investigation report into the circumstances attending the capsizing of the small fishing vessel *Flying O* with the loss of two lives, in the Strait of Georgia, B.C. on April 26, 1985

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1986. 35 p. : ill. (Report ; no. 453)  
MICROLOG 90-05308 1 fiche

Report of the investigation into the capsizing of a fishing vessel in the Strait of Georgia, including details of the vessel, the background to the incident, an analysis of the incident, and findings.  
BC CA FI SC TR

#### Investigation report into the circumstances attending the drowning of the skipper of the Canadian yacht *Southern Star II* while on a charter cruise in Toronto Harbour, Lake Ontario on August 2, 1986

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1987. 25 p. : ill. (Report ; no. 458)  
MICROLOG 90-04791 1 fiche

Report of the investigation into the death of the skipper of a yacht while on a charter cruise in Toronto Harbour. The report includes details of the vessel, background of the accident, narrative of the accident, analysis, and findings. A detailed map of the area, relevant sections of the Canada Shipping Act, and photographs are also included.  
CA ON SC TR

#### Investigation report into the circumstances attending the grounding and stranding of the Canadian coastal cargo vessel *Topsail Star* in Bay of Exploits, Newfoundland, on August 29, 1986

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1987. 18 p. (Report ; no. 465)  
MICROLOG 90-04774 1 fiche

Report into the grounding of a cargo vessel in Bay of Exploits, Newfoundland. The report includes details of the vessel, background information, a narrative of the incident, analysis of the incident, and findings. Detailed diagrams of the area are included.  
AP CA SC TR

#### Investigation report into the circumstances attending the striking of the city dock at the foot of Yonge Street, Toronto, by the Canadian passenger ferry *Trillium* resulting in injuries to passengers, July 6, 1986

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1986. 22 p. : ill. (Report ; no. 457)  
MICROLOG 90-04792 1 fiche

Report of an investigation into the striking of the dock by a ferry in Toronto Harbour. The report includes details of the vessel, background information, an analysis of the incident, and findings. A detailed map of the area and photographs of the vessel and dock are included.  
CA ON SC TR



**Investigation report into the circumstances surrounding an explosion aboard the *Saskatchewan Pioneer*, injuring two persons near Brockville, Ontario, December 21, 1985**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1986. 15 p. : ill. (Report ; no. 449) *French ed.* (*Rapport...Saskatchewan Pioneer...*) on the same fiche.

MICROLOG 90-05305 1 fiche

Report of an investigation into an explosion aboard a bulk carrier near Brockville, Ont., including details of the vessel, background information, a narrative of the incident, analysis and findings.

CA ON SC TR

**The Investigation, evaluation, and recommendations of biomonitoring organisms for procedures development for environmental monitoring**

Toronto : Environment Ontario, 1989. 206 p. Bibliogr.

MICROLOG 90-00873 3 fiche

A considerable body of information has developed over the past decade on the uses of different organisms as biomonitors, with the bulk of the information coming from the marine environment. This report reviews this work, determines the organism or organisms best understood and best suited for biomonitoring programs, and recommends additional areas of pursuit with respect to biomonitoring. The report is divided into sections based on the organisms discussed, with a section on specific contaminants. References to marine literature are included in each section with a literature summary included in an appendix. A glossary of terms is included.

EV LS ON PR SC

**Investigations by the Geological Survey of Canada in Manitoba and Saskatchewan during the 1984-89 Mineral Development Agreements**

compiled by A.G. Galley. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 194 p. : ill., maps. Bibliogr. (Open file ; 2133)

MICROLOG 90-02342 3 fiche

In early 1984 the federal cabinet and those of Manitoba and Saskatchewan approved 2 separate mineral development agreements as a cost-sharing arrangement to establish a framework for implementation of programs to strengthen and diversify the mineral resource base of the provincial economies; to increase mineral exploration and the development of mineral resources in the provinces; and to assist in a more effective assessment and utilization of the provinces' mineral resources. Programs were divided into geoscientific studies, mining and mineral technology R&D, development and marketing studies, and public information, evaluation and administration. The projects covered by this summary volume were from the geoscientific studies program, which concentrated in the Precambrian Shield and along the Shield margin. It included airborne vertical gradient and total field magnetometer surveys, an airborne electromagnetic survey, lake sediment and water surveys, and re-analysis of older regional survey samples and detailed follow-up surveys over certain greenstone belts.

• CA MS NR PS SC

**Investigations of marine environmental quality in Halifax Harbour**

edited by H.B. Nicholls. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. v, 83 p. : fold. maps. Bibliogr. (Canadian technical report of fisheries and aquatic

sciences ; no. 1693) ISSN 0711-6774

MICROLOG 90-01779 2 fiche

Compilation of papers relating to the marine environmental quality of Halifax Harbour, Nova Scotia. The papers describe research conducted by the federal departments of Fisheries and Oceans, Energy, Mines and Resources, and Environment. Coverage includes sedimentological studies, benthic biological studies, investigations of trace metal concentrations in water and of suspended particulate matter, a review of the physical oceanography (including modelling), and limited investigations of contaminants in lobsters and their bacteriological quality. Environmental quality issues relevant to sewage treatment, specifically with reference to proposals for a Halifax-Dartmouth metropolitan area sewage treatment facility with an outfall into the harbour, are identified and discussed. An extensive bibliography is also included.

• AP CA CF EV NR SC

**Investigations to determine potential applications for anhydrite resources indigenous to Nova Scotia**

Halifax : Technical University of Nova Scotia, 1989. xxii, 121 p. : ill. Bibliogr. *CANMET contract: 79035-01-ST.*

MICROLOG 90-07108 2 fiche

Abundant quantities of gypsum (CaSO<sub>4</sub>.2H<sub>2</sub>O) and anhydrite (CaSO<sub>4</sub>) occur together in evaporite deposits throughout Nova Scotia. Gypsum production volume represents 75% of Canadian production and 7.3% of world production, but the anhydrite zones do not generate a similar level of economic activity. This report evaluates the material characteristics of these anhydrites and their potential use as a construction material in coal mines and as a material to manufacture plasters.

• AP CA CM NR SC

**Investissement Canada : Rapport annuel 1988-89**

Ottawa : le Ministère, 1989. 46, 44 p. : ill. *Bilingue. Supplément (43 p.) inclus*

CSI 22301.001. ISBN 0-662-56803-6

MICROLOG 90-00311 2 fiche

Rapport annuel donnant de l'information sur le contexte de l'investissement, le profil d'investissement Canada et la quatrième année d'investissement Canada. On y examine particulièrement l'état des propositions aux termes de la Loi sur Investissement Canada, le nombre et la valeur des investissements, les nouvelles entreprises selon la valeur des investissements prévus et selon l'effectif prévu, les acquisitions selon la valeur de l'actif et de l'effectif, et, les investissements dans des activités commerciales liées à l'identité nationale et au patrimoine culturel.

CA CO ST

**Investissements privés et publics au Québec, 1987-89**

Québec : Bureau de la statistique du Québec, Statistiques économiques, 1989. 70 p.

CSI 67131.011. ISBN 2-551-12301-1

MICROLOG 90-02043 1 fiche

Cette publication contient des données sur les dépenses réelles en immobilisations et en réparations effectuées au Québec en 1987, les dépenses réelles provisoires en 1988, ainsi que les données révisées à la mi-année des dépenses prévues en 1989. L'accent est mis sur la répartition détaillée des dépenses en immobilisations et réparations au Québec de chacun des secteurs d'activité économique et sur la régionalisation de l'information recueillie.

**Investment Canada : Annual report 1988-89**

Ottawa : The Dept., 1989. 44, 46 p. : ill. *Bilingual. Supplément (43 p.) laid in.*

CSI 22301.001. ISBN 0-662-56803-6

MICROLOG 90-00311 2 fiche

The mandate of investment Canada is to promote investment in Canada by Canadians and non-Canadians. This annual report reviews the investment environment, Investment Canada's fourth year, and includes an interpretation of Investment Canada's statistics.

CA CO ST

**Investment limits for Nova Scotia dairy farms, 1989 : a guide for the use of borrowed capital on Nova Scotia dairy farms**

Nova Scotia. Farm Management Division. Truro, N.S. : The Division, 1989. 14 p. *CSI 51100.016.*

MICROLOG 90-05100 1 fiche

Guide to evaluating accurately the capacity of the individual dairy business to repay principal and interest, as well as compensating the owner for her or his labour and management. Assumptions used are given, along with a sample calculation. Charts are given for the repayment-capitalization rate for various percentages of loans from the bank and farm loan agencies and for various production levels.

AG AP CO PR ST

**Ipperwash Provincial Park : preliminary management plan**

Toronto : Ministry of Natural Resources, 1989. ii, 13 p. : maps. Bibliogr. ISBN

0-7729-59976-5

MICROLOG 90-01670 1 fiche

Summarizes the policy statements for the management and development of the park. It reflects the Ministry's intent to protect natural resource features and maintain opportunities for outdoor recreation and heritage appreciation.

CU ON PR

**IRRIGATE : user guide for irrigation management by computer**

by J.B. Boisvert...et al. Ottawa : Agriculture Canada, Research Branch, 1990. 65 p. (Technical bulletin ; 1990-2E) (LRRC contribution ; no. 87-39) *French ed* (*IRRIGUE : manuel...*) : 90-04233/1. ISBN

0-662-17492-5

MICROLOG 90-04232 1 fiche

Guide to IRRIGATE, software for the BASIC microcomputer version of a soil moisture model. This version was primarily written for the daily management of water in irrigation and is considered a complementary tool to assist in judging the severity and the frequency of stress during the growing season. It can estimate the number of days before an irrigation is required, provide estimates of the soilwater status within the whole profile and the water deficit in the root zone, and can take into account many fields each having a specific crop and soil, irrigated or not.

• AG CA PS SC

**Irrigated crop recommendations for Alberta, 1989-90**

by R. McKenzie, B. Roth and B. Shaw. Edmonton : Alberta Agriculture, 1989. 4 p. (Agri-fax)

MICROLOG 90-00210 1 fiche

Information on crop varieties for production under irrigation. Recommended varieties are listed for each crop, along with seeding rates and general fertilizer recommendations.

AG AL PR SC

**Irrigation pumping plant evaluation : interim report**

by D.L. Van Hooren. Guelph, Ont. : Agricultural Energy Centre, 1989. 13 p. (Report ; no. 89-2301)

MICROLOG 90-03938 1 fiche



In June and July 1987, tests were conducted at 15 farm sites that were applying water to tobacco crops. Each irrigation system monitored was usually unique, including the distance between the water source and the discharge and the method of application and rate of discharge. Because of these differences, the fuel efficiency of each pumping plant was calculated from the relationship between the useful work produced by the pump (output water power, kW) and the amount of fuel consumed (input power). Potential fuel savings resulting from switching fuel sources was also investigated. Equivalent fuel energy values were used to determine the fuel consumption of a proposed fuel source that was then compared against the fuel consumption of the present source.  
AG EN ON PR SC

#### Irrigation water quality-soil compatibility : guidelines for irrigation in Saskatchewan

Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute ; Outlook, Sask. : Saskatchewan Water Corporation, 1990. 60 p. : ill. Bibliogr. (NHRI contribution ; no. 89028) ISSN 0838-1992  
MICROLOG 90-05375 1 fiche

Comprehensive set of soil and water quality guidelines for irrigation in Saskatchewan, including the use of surface waters, groundwaters, and wastewaters on agricultural lands. The study describes the characteristics of water sources; gives an overview of water quality guidelines; discusses the role of soil texture and drainage criteria, describes specific ion tolerances for boron, chloride and sodium; and deals with the specifics of salinity and sodium adsorption ratio, bicarbonate and permeability.  
AG MS PR SC

#### IRRIGUE : manuel de l'utilisateur pour la gestion informatisée de l'irrigation

par J.B. Boisvert et al. Ottawa : Agriculture Canada, Direction générale de la recherche, 1990. 67 p. (Bulletin technique ; 1990-2F) (Centre de recherches sur les terres contribution ; no 87-39F) L'éd. anglaise (IRRIGATE : user...) : 90-04232/1. ISBN 0-662-95839-X  
MICROLOG 90-04233 1 fiche

Le logiciel décrit dans ce guide est la version BASIC pour micro-ordinateur du bilan hydrique des sols (VB4) développé initialement par W. Baier et G.W. Robertson de la Section d'agrométéorologie d'Agriculture Canada. On y traite des exigences de base; des trucs pour l'emploi de IRRIGUE dans la planification; des limites du logiciel; de l'utilisation du logiciel IRRIGUE; de ce qu'il faut savoir avant de commencer; et de comment utiliser le logiciel étape par étape.  
● AG CA PS SC

#### Is it retirement or unemployment? The constrained labour supply of older Canadians

by L. Osberg. Ottawa : Health and Welfare Canada, 1988. 75 p. Bibliogr.  
MICROLOG 90-01567 1 fiche

In 1973, 88.5% of men between the ages of 45 and 64 were in the labour force, but by 1986 their labour force participation rate had fallen to 80.7%. This paper addresses the question of how important the labour market demand has been as a determinant of the labour market behaviour of older Canadians.  
CA CI LA SA

#### Island Lake

Edmonton : Alberta Environment, 1989. 11 p. : ill.  
MICROLOG 90-00244 1 fiche

Brochure presenting the findings of water quality studies on Island Lake, located about 20 km northwest of the town of Athabasca. Physical and hydrological characteristics are discussed, along with an explanation of such lake characteristics as temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics.  
AL EV PR SC

#### ISO/TC 69 : Canadian delegation report on ISO/TC 69/SC 6, WG 1 and WG 4 meetings held in Berlin, Germany, 1989-11-13/17

by R. Sutarno. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. 18 p. (Report ; MSL 89-113(TR))  
MICROLOG 90-02557 1 fiche

ISO/TC 69 is an International Standards Organization (ISO) technical committee which advises all ISO technical committees on the application of statistical methods in standardization. For many technical committees, statistical methods are used as a means of measuring and controlling accuracy. To implement this task, ISO/TC 69 is issuing a 'flag' standard ISO 5725 which will provide all ISO technical committees with a method to measure and control the accuracy of the standard methods they produce. The report covers the meeting of ISO/TC 69/SC 6, WG 1 and WG 4, and the second session of ISO/TC 69 meeting held at the Deutsches Institut für Normung, Berlin, Germany.  
● CA CM NR SC

#### Isozyme-based study on the differentiation and phylogeny of salmonids

by K. Numaichi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 15 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5391) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-01548 1 fiche

Isozyme studies combining gel electrophoresis and specific dyeing of enzymes have made clear the existence of genetic control and variation of enzyme molecules and have rapidly developed population genetic research guided by such variations. Salmonids are difficult to classify even among fishes. This paper attempts to find out to what level among salmonids differentiation has occurred by the replacement of genes, and how wide the genetic distance is between them compared to that of other animals using isozyme studies.  
● CA CF FI LS SC

#### An Issue paper on the management of nuclear fuel wastes

prepared for Federal Environmental Assessment Review Office. Toronto : LURA Group, 1989. viii, 51, ix, 63 p. Bibliogr. Bilingual (La Gestion de déchets...).  
MICROLOG 90-02371 2 fiche

In preparation for the environmental assessment and review process for the proposed deep geological disposal of nuclear fuel wastes, this issue paper was prepared to promote and encourage public interest, understanding and discussion of the issues that will be raised. The paper provides a basic background of the nature and scope of the review as well as relevant issues in the management of nuclear fuel wastes, divided into those related to process, those related to disposal technology, and those related to impacts and

implementation.  
CA CI EN PS SC

#### An Issue paper pertaining to the review of alternatives to resolve air traffic congestion in the Toronto area

prepared for the Federal Environmental Assessment Review Office, by LURA Group. Toronto : The Group, 1989. iii, 33 p. Bibliogr.  
MICROLOG 90-02840 1 fiche

The Environmental Assessment Panel has been directed to undertake a public review of the economic, social and environmental effects of Transport Canada's proposed medium- and long-term measures to address the problem of increasing air traffic at the Lester B. Pearson International Airport. Medium-term measures include the expansion of runway capacity to resolve the present congestion and to ensure the efficiency of airport use until the end of the century. Long-term measures involve determining the ultimate capacity of the airport and identifying the role that other airports in southern Ontario could play in accommodating the aviation needs of the Toronto area. The alternatives and issues related to these proposed measures are covered in this paper in a generic sense.  
MU ON PR SC TR

#### Issues in bridge rehabilitations

by D.G. Manning...et al. Toronto : Ministry of Transportation, Research and Development Branch, 1989. 23 p.  
MICROLOG 90-01348 1 fiche

Presentation identifying problems occurring in the preparation and execution of contracts for bridge rehabilitation. A number of examples are cited where delays led to inappropriate engineering solutions or more expensive rehabilitations, and where problems arose because of inaccurate detailed condition surveys, lack of information on the condition of the components other than the deck, inaccurate estimates, and inexperienced contractors and inspectors. Recommendations are made for routine inspections, programming of design and construction, detailed condition surveys, selection of rehabilitation method, contract preparation, construction, and institutional obstacles.  
ON PR PS SC TR

#### Issues relating to sentencing guidelines : an evaluation of U.S. experiences and their relevance for Canada

by A. Vining. Ottawa : Dept. of Justice, Policy, Programs and Research Branch, Research and Development Directorate, 1988. 75 p. Bibliogr. (Research reports of the Canadian Sentencing Commission) ISSN 0836-1797 ISBN 0-662-15864-4  
MICROLOG 90-02618 1 fiche

Summarizes, analyses and evaluates sentencing guideline commissions in a number of U.S. jurisdictions with a view to making recommendations on a sentencing guidelines approach for Canada. The major focus of the analysis is on the sentencing commissions of Minnesota and Pennsylvania.  
● CA JU

#### Issues relating to the use of de-icing chemicals

by D.G. Manning. Toronto : Ministry of Transportation, Research and Development Branch, 1990. 13 p.  
MICROLOG 90-05556 1 fiche

Report on the issues involved in the use of salt and alternative de-icing chemicals, summarizing Ministry activities in recent years and recommending a Ministry position on de-icing chemicals. The report covers salt usage, legal precedents and environmental effects; financial implications, process technology, and



results of field trials on CMA; other alternative de-icers; the use of inhibitors with salt to reduce corrosion damage; and the implications for the Ministry and for the municipalities of switching from salt to an alternative de-icer.  
ON PR SC TR

**Itinéraires : étude de la vie professionnelle et de la transition, de l'école à la vie active, des jeunes ayant quitté le palier secondaire**

Toronto : Ministère de la formation professionnelle, 1989. xvii, 192 p. *L'éd. anglaise (Pathways : a study of labour...)* : 90-00841/3. ISBN 0-7729-5594-8  
MICROLOG 90-00822 3 fiche

Pour les jeunes, la transition entre l'école et un emploi productif et stable est un processus complexe qui varie d'une personne à l'autre et dont la réussite dépend des choix et expériences de chacun. C'est sur ce sujet que le ministère de la Formation professionnelle a entrepris l'enquête présentée dans ce rapport. Cette dernière examine essentiellement la façon dont cette transition est vécue par un segment particulier de la population des jeunes: ceux qui passent directement de l'école secondaire à la vie active sans suivre d'enseignement postsecondaire, tout au moins dans l'immédiat. Y sont examinés les points suivants: les antécédents liés à la formation professionnelle; les sources de formation ou d'enseignement complémentaires; les attitudes envers le travail; et les résultats de l'enquête auprès des groupes de discussion.  
ED ON PR

**Jack pine family selection in Saskatchewan based on 10-year measurement**

by P.B. Chapman and J.I. Klein. Edmonton : Forestry Canada, Northwest Region, Northern Forestry Centre, 1989. 8 p. : maps. Bibliogr. (Forest management note ; no. 46) ISSN 0714-1181. ISBN 0-662-17411-9  
MICROLOG 90-05785 1 fiche

In 1967, a program of genetic improvement of jack pine in 3 areas in the Prairie provinces was begun. The program provided genetically improved seed, seedlings, scions, and grafts to cooperating agencies for seed orchard establishment. This report presents selection results for the western breeding district, which covers the southern portion of the forest zone in central Saskatchewan to eastern Alberta.  
• CA FO MS SC

**James Bay : development, environment and the Native peoples of Quebec**

Quebec : Hydro-Quebec, 1989. 20 p. *French ed. (L'Aménagement de la grande...)* on the same fiche.  
MICROLOG 90-06110 1 fiche

Since mid-1988, much has been said and written about the impact of hydroelectric developments on the Native peoples of Quebec and on the environment, particularly in the James Bay region. Most of this has been negative. Hydro-Quebec has therefore prepared this document to place the issues of the environment and the Native people of Quebec in perspective. The document covers the background to the James Bay hydroelectric development and the agreements made between the government of Quebec and the Native people, particularly the Cree; and the impacts of the development on health and social services, education, the economy and employment, population growth, and the environment.  
EN EV NP PR QU SC

**The James Bay and Northern Quebec Agreement, and the Northeastern Quebec Agreement, Cree-Inuit-Naskapi : Annual report 1989**

Ottawa : Indian and Northern Affairs Canada, 1990. 16, 16 p. : ill. *Bilingual (La Convention de la Baie James...)*. CSI 21113 003. ISBN 0-662-57222-X  
MICROLOG 90-04838 1 fiche

The Agreements have two fundamental objectives: to improve living conditions of the Native beneficiaries through the construction of houses, schools, hospitals, infirmaries and other facilities, and, to encourage self-government among the Cree, Inuit and Naskapi. This report studies the benefits to both government and Natives of the agreement including types of economic development through capital grants, hydro electricity, and government departments involved: Fisheries and Oceans, Transport Canada, Employment and Immigration, Health and Welfare, Canada Mortgage and Housing, and many others.  
NO NP PR QU SA

**Jasper National Park management plan summary**

Ottawa : Environment Canada, Canadian Parks Service, 1988. 20 p. : ill., maps.  
MICROLOG 90-02308 1 fiche

Summary of the major decisions contained in the management plan, outlining the way in which the park will be managed for the next 15 years. The plan identifies a number of important initiatives which will benefit both the park and the adjacent provincial areas. The plan covers land use zoning and environmentally sensitive sites; the protection and management of heritage resources such as vegetation, wildlife, fisheries, and cultural resources; facilities and recreation opportunities for visitors; an environmental and socio-economic review and assessment; and an implementation strategy.  
AL CA CU

**Jasper National Park planning framework : planning program for Jasper Park Lodge redevelopment**

Ottawa : Environment Canada, Parks Service, 1990. 11 p.  
MICROLOG 90-07099 1 fiche

Jasper Park Lodge is located in the Athabasca River Valley, 6 km east of the Town of Jasper. As directed by the Jasper National Park management plan, the Canadian Parks Service is preparing planning guidelines to provide direction about the appropriate type and level of development on the Jasper Park Lodge leasehold. The purpose of this planning framework is to define the planning principles upon which the guidelines will be based, and to outline the planning process.  
AL CA CU

**JET-SET/2 : un simulateur d'entreprises de transport interurbain de passagers : règles de fonctionnement**

par C. Lardinois, J. Dion et J. Côté.  
Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 48 p. (Publication ; no. 658)  
MICROLOG 90-01429 1 fiche

JET-SET/2 est la seconde version d'un logiciel de simulation d'entreprises de transport interurbain de passagers. Ces entreprises sont en concurrence les unes avec les autres, dans un environnement réglementé ou déréglementé. Conçu sous la forme d'un 'jeu de simulation' sur micro-ordinateur, il est destiné à la formation de planificateurs-gestionnaires ainsi qu'à l'analyse et à l'expérimentation de situation comparables à celles rencontrées en pratique dans ce domaine. Ce document décrit les règles de

fonctionnement des simulations réalisables avec JET-SET/2.  
PR PS QU SC TR

**JET-SET/2 : un simulateur d'entreprises de transport interurbain de passagers : règles de fonctionnement -- Rev.**

par C. Lardinois, J. Dion et J. Côté.  
Montréal : Université de Montréal, Centre de recherche sur les transports, 1990. 48 p. Bibliogr. (Publication ; no. 658)  
MICROLOG 90-06419 1 fiche

Conçu sous la forme d'un jeu de simulation sur micro-ordinateur, il est destiné à la formation de planificateurs-gestionnaires ainsi qu'à l'analyse et à l'expérimentation de situations comparables à celles rencontrées en pratique dans ce domaine. Ce document décrit les règles de fonctionnement des simulations réalisables avec JET-SET/2. Il s'adresse à ceux qui veulent participer à une séance de simulation, soit à titre de participant responsable de l'une des compagnies de transport impliquées dans la simulation, soit à titre de maître de simulation responsable du déroulement de la séance de simulation. On y donne la description du simulateur et les rapports annuels transmis aux participants et au maître de simulation.  
PR PS QU SC TR

**La Jeunesse canadienne dans un monde en évolution**

par M. Baker. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 29 p. Bibliogr. (Etude générale ; BP-128F) *L'éd. anglaise (Canadian youth...)* sur la même fiche. ISBN 0-660-92809-4  
MICROLOG 90-03021 1 fiche

Dans cette étude, il est question des tendances qui se dessinent dans les comportements et les attitudes des jeunes, ainsi que de leur incidence possible sur les politiques sociales. Comme les jeunes représentent environ le sixième de la population canadienne, on ne peut ignorer leurs attitudes et leurs comportements. Le document présente quelques prévisions sur ce que sera le comportement des jeunes à l'âge adulte et sur leur future situation sociale, politique et économique.  
CA SA

**Jeux de bienfaisance : redonner le contrôle aux organismes**

Toronto : Ministère de la consommation et du commerce, 1990. 17 p. *Bilingue (Charitable gaming...)*. En tête du titre: *Projet de concertation*  
MICROLOG 90-04292 1 fiche

Les associations de bienfaisances n'ont jamais collecté autant d'argent que de nos jours en faisant appel à des activités de jeu. En 1985, une association de bienfaisance retirait environ 20 pourcent des sommes pariées lors d'un lot. Aujourd'hui, il est indéniable que ce nombre baisse. Il est devenu de plus en plus ardu, pour quelques organismes de charité, de recueillir des fonds grâce à des jeux d'argent car le nombre grandissant d'associations en présence entraîne un effet de saturation. Ce document se penche sur la question.  
CU ON PR

**Job design : how it contributes to occupational health and safety**

by I. Stones. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. ii, 11 p. : ill. Bibliogr. ISBN 0-660-13128-5  
MICROLOG 90-03852 1 fiche

This publication focuses on the physical aspects of job design. It discusses features of good job design, steps toward good job design, workplace design, and stages in a job design project.  
CA HE LA



**Job evaluation and pay equity : selected bibliography, no. 2 - Rev.**

by C. Walker. Toronto : Pay Equity Commission, 1990. 8 p. (Selected bibliography series ; no. 2)  
MICROLOG 90-07088 1 fiche

This bibliography lists material on job evaluation as it relates to pay equity. It limits selections to items held by the Pay Equity Commission Library and published within the past ten years. It includes listings for books, chapters of books, articles, and conference papers. Although the geographic coverage is world-wide, it emphasises Canada, the United States, and Great Britain. The bibliography is divided into four parts: the first provides general information, the second covers gender neutrality/sex bias in job evaluation, the third addresses specific job evaluation systems, and the fourth covers computers in job evaluation.  
LA ON PR

**Job losses/job gains in Hamilton-Wentworth**

by A. Houser. Hamilton, Ont. : Social Planning and Research Council of Hamilton and District, 1988. 5 p.  
MICROLOG 90-00028 1 fiche (Available on fiche only)

Contains a summary of local business development by sector, information on jobs created by new businesses, jobs created through expansion, and a summary of jobs created in 1986 and 1987. It also lists recent plant closures in the area together with businesses that were lost.  
LA MU ON SA

**Job opportunities and economic growth : report**

Royal Commission on the Future of the Toronto Waterfront (Canada). Jobs, Opportunities, and Economic Growth Work Group. Toronto : The Commission, 1989. 133 p. : ill., maps, fold. maps. Bibliogr. (Report ; b) *French ed. (Emplois, perspectives et croissance...)* 90-05811/2. ISBN 0-662-16939-5  
MICROLOG 90-05435 2 fiche

Discusses the historical background of the Toronto waterfront, the economic context of the waterfront, issues and opportunities concerning current plans, and revitalizing the waterfront economy.  
CA CO LA MU ON

**Joint Panel on Occupational and Environmental Research for Uranium Production in Canada : Annual report 1988**

prepared by R.O. Tervo. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. i, 51 p. Bibliogr. (Report ; MRL 88-000)  
CSI 22109.012  
MICROLOG 90-07121 1 fiche

Annual report of the Joint Panel, an organization whose members have voluntarily agreed to share information regarding research into the effects of uranium production on the health and safety of workers and the protection of the environment. This report describes objectives and organization of the Panel; its activities during the year; a listing of the active research projects; highlights of research by Panel members; projects completed during 1987; and publications from members.  
• CA CM EV LA NR SC

**Journées de recherche en zootechnie**

Journées de recherche en zootechnie (1989 : Saint-Hyacinthe, Québec). Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, Conseil des productions animales du Québec,

1989. 206 p.  
MICROLOG 90-02211 3 fiche

Ce document présente les sommaires de 10 ateliers portant sur la zootechnie: l'alimentation des ruminants; la santé; la génétique; la physiologie générale; la physiologie de la reproduction; la Régie; et, l'alimentation (ruminants et monogastriques).  
AG LS PR QU SC

**The Journey to Twillingate**

by N.P.J. Larsen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 35 p. (Canadian translation of fisheries and aquatic sciences ; no. 5169) *Originally published in German.* ISSN 0704-3716  
MICROLOG 90-00077 1 fiche

Journalistic article written by a Danish reporter whose attitude toward the hunt of baby seals by Newfoundland fishermen was strongly influenced by Greenpeace. The reporter spoke to various fishermen in Newfoundland to hear their side of the story and their loss of income due to the European ban on baby seal skins.  
• CA CF CI FI SC

**Juvenile salmonid stomach data from the vicinity of Campbell River, British Columbia from 1982 to 1986**

by T.J. Brown, J.S. Macdonald and C.D. McAllister. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 15 p. : maps. (Canadian data report of fisheries and aquatic sciences ; no. 774) ISSN 0706-6465  
MICROLOG 90-02596 1 fiche

British Columbia Forest Products built a dry land log sort and dredged a booming pocket on the south-west side of the Campbell River estuary in 1981. To compensate for the lost marshes, 4 intertidal islands were built and planted with sedge grass from the dredged area. Since 1982, several agencies have been involved in assessing the rehabilitated areas. This report presents a summary of all the juvenile salmonid stomach data collected as part of the habitat assessment from 1982-86. Stomachs from 922 marked hatchery chinook and 1,333 wild chinook and chum were examined. The report presents the stomach analysis as well as date, station, zone and size data for each fish.  
• BC CA CF FI LS SC

**K-sample test of homogeneity**

by A.H. Chan and F. Camacho. Toronto : Ontario Hydro, Research Division, 1989. i, 13 p. Bibliogr. (Report ; no. 89-126-K)  
MICROLOG 90-00409 1 fiche

Many of the projects undertaken by the Statistics Unit require testing the hypothesis of homogeneity among several populations and the currently available procedures for more than 2 populations are difficult to apply. The Statistical Analysis Systems proposed a more practical approach, but unfortunately, it turned out to be incorrect. This report presents a new k-sample test of homogeneity that will alleviate these problems.  
ON PR PS SC

**The Kaminak Lake alkaline intrusion : final report**

by P.A. Cavell and H. Baadsgaard. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1989. 23 p. : maps. Bibliogr. *Fold. map not filmed.*  
MICROLOG 90-01954 1 fiche

The Kaminak Lake intrusion is a small pluton of alkaline, silica-undersaturated rocks with associated carbonatite dykes and lenses in the District of Keewatin, Northwest Territories. This study focused on the radioisotope systematics of the rocks to determine an accurate and precise age and to characterize

the magma source(s). Field work in 1988 involved the collection of a comprehensive and representative suite of samples from the alkaline intrusion; a range of metavolcanic rocks of various compositions and several of sample size likely to yield zircons for U-Pb geochronology; granitoid intrusive rocks covering the entire range in compositions and from different locations and thus possibly representing different times of intrusion. The field work and later laboratory studies also assessed the possible enrichment of gold or other rare metals in the rock.  
CA NO NR PS SC

**Kaministiquia River : acute lethality and chlorophenol bioconcentration in fish exposed downstream of a combination groundwood sulfate and bleached kraft mill effluent**

by K. Flood...et al. Toronto : Environment Ontario, 1989. x, 75 p. : ill. Bibliogr. ISBN 0-7729-5453-4  
MICROLOG 90-05170 1 fiche

Two fish bioassay assessments were carried out in August 1985 and 1986 in the Kaministiquia (Kaministiquia) River downstream of Great Lakes Forest Products. The studies were carried out as part of the MISA pilot site project on the lower Kaministiquia River to assess the effects of a large pulp and paper mill complex on water quality in a riverine setting and to provide an update on potential effects of the mill on the river fishery for the region to use in future control order negotiations with Great Lakes Forest Products. A dissolved oxygen survey was also undertaken by the region in 1987 and some of those findings are included in this report. During the study, fish were exposed in cages at various sites in the river to measure acute lethality downstream of the mill. Chemistry analyses of the river and mill effluents for contaminants and laboratory bioassays of the effluent were undertaken in support of the field study. Upon completion of the work, fish surviving the field exposure were sacrificed and analyzed for chlorophenols.  
EV FI FO ON PR SC

**Kananaskis Country integrated resource plan : Annual report 1988-89**

Alberta. Eastern Slopes Resource Management Committee. Edmonton : Alberta Forestry, Lands and Wildlife, 1989. v, 25 p. CSI 34126.004. ISBN 0-86499-657-8  
MICROLOG 90-03904 1 fiche

Second annual report of the plan, presenting highlights of the year's activities in ecological resources, fisheries, interpretation and environmental education, recreation, timber management, and wildlife. Details of projects completed and those still in progress in each of these areas, as well as in the areas of range resources, water resources, land use and transportation are given, along with directions for the next year.  
AL NR PL PR SC

**Kananaskis Country integrated resource plan : Annual review 1986-87**

Alberta. Eastern Slopes Resource Management Committee. Edmonton : Alberta Energy/Forestry, Lands and Wildlife, 1988. v, 25 p. CSI 34126.004. ISBN 0-86499-580-6  
MICROLOG 90-06561 1 fiche

This report summarizes progress to date in the implementation of the Kananaskis Country sub-regional integrated resource plan, approved March 1986. This is the first annual review to be completed since its approval and covers 1986-87. The report identifies completed projects and in-process projects and provides direction for the coming year. Projects are documented by management intent, results



expected, results achieved and anticipated activities. Resource areas include ecological, natural and cultural resources; fisheries; interpretation and environmental education; recreation and tourism; range resources; research; timber resources, water resources; land use, wildlife; and transportation.  
AL CU PL PR SC

#### Kapusking District fisheries management plan, 1989-2000

Toronto : Ministry of Natural Resources, 1989. vi, 21 p. : maps. ISBN 0-7729-1943-7  
MICROLOG 90-01799 1 fiche

This fisheries management plan identifies how the fisheries resource in the district will be managed from the present to 2000 by identifying specific management actions required to achieve stated objectives. The report covers the purpose and planning process; resource productivity and utilization; access; problems and issues; both general and specific management directions for sportfish, commercial fish, batfish, fisheries enforcement, cottaging, tourism, and public input; and implementation.  
FI ON PR SC

#### Karl Lake area

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 19 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 510) *Fold. maps not filmed.*  
MICROLOG 90-05987 1 fiche

Geological data inventory for Karl Lake area, including a checklist of data sources, references to metals and minerals, mineral occurrences by geographic area, type of exploration work by company or individual, drillhole summary by company, topographic maps available, newspaper clippings, results of an ODM general index search, and selected references.  
NR ON PR PS SC

#### Kawashagamuk Lake area

compiled by the staff of the Resident Geologist's Office, Kenora. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 35 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 503) *Fold. maps not filmed.*  
MICROLOG 90-05986 1 fiche

Geological data inventory for Kawashagamuk Lake Area, including a checklist of data sources, references to metals and minerals, mineral occurrences by geographic area, type of exploration done by company or individual, drillhole summary by company, airborne geophysical survey data, geochemical survey data, results of an ODM general index search, and selected references.  
NR ON PR PS SC

#### Keeping the ocean clean

see Ocean Dumping Control Act : Annual report 1987-88

#### Keeyask Lake area

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 24 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 513) *Fold. maps not filmed.*  
MICROLOG 90-05624 1 fiche

Geological data inventory for Keeyask Lake Area, including a checklist of data sources, metals and minerals reference list, mineral occurrences, type of exploration work done by company, drillhole summary by company, results of an airborne geophysical survey and geochemical survey, topographic maps available,

newspaper clippings available, results of an ODM general index search, and selected references.  
NR ON PR PS SC

#### Kelly Lake Substation to Cheekye Substation : a second 500 kV transmission line : prospectus

Vancouver, B.C. : B.C. Hydro, External Relations Dept., 1989. 10 p. : maps. ISBN 0-7726-0968-3  
MICROLOG 90-00638 1 fiche

Recent forecasts of electrical demand in the Lower Mainland and on Vancouver Island, combined with engineering studies of the electrical transmission system, have identified a potential requirement for new transmission in the mid-1990s. This prospectus outlines B.C. Hydro's studies for a second 500kV transmission line between Kelly Lake Substation near Clinton and Cheekye Substation near Squamish. The prospectus includes a brief description of the project and a schedule for meeting an in-service date as early as the fall of 1995, a summary of the rationale for carrying out studies for a second Kelly Lake to Cheekye 500kV line; and an outline of the studies planned to determine a route for the line, including a comprehensive public consultation program.  
BC EN PR PS SC

#### Kelvin Township

compiled by the Staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 20 p. : fold. map. (Geological data inventory folio ; GDIF 500)  
MICROLOG 90-04117 1 fiche

Geological data inventory for Kelvin Township, including a checklist of sources, metals and minerals reference list, mineral occurrences, type of exploration work by company, drillhole summary by company, results of an airborne geophysical survey, results of an ODM general index search, and selected references.  
NR ON PR PS SC

#### Kemp Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 28 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 549)  
MICROLOG 90-04569 1 fiche

Geological data inventory for Kemp Township, including a checklist of data sources, type of exploration work done and by whom, drillhole summary by company, results of an airborne geophysical survey, results of a geochemical survey, aerial photos and topographical maps available, results of an OGS/ODM general index search, and selected references.  
NR ON PR SC

#### Kenora District fisheries management plan, 1987-2000

Toronto : Ministry of Natural Resources, 1988. iv, 54 p. : maps. Bibliogr. *Fold. maps not filmed.* ISBN 00-7729-3945-4  
MICROLOG 90-02199 1 fiche

This fisheries management plan outlines the long-term management direction from 1987-2000 and identifies specific short-term (5 year) management activities to be carried out within the Kenora administrative district. This report covers the planning process; the existing policy and technical direction; the integration of the plan with other programs; the public consultation process; the current and projected resources use for anglers, bait and food commercial fishermen, the Indian subsistence harvest, tourist operators and non-consumptive users, and both general and specific management directions for sportfish, lake trout,

muskellunge, and food and bait commercial fishing.  
FI ON PR SC

#### Kent Industrial Commission : Annual report 1988-89

Bouchouche, N.B. : The Commission, 1989. 27, 27 p. *Bilingual. CSI 46158 001.*  
MICROLOG 90-02591 1 fiche

Annual report of the Commission, giving highlights of the year, and information on services to the fisheries, secondary manufacturing, agriculture, tourism, and forestry. Other activities include the development of a 5-year economic development strategy for the area, and the Promo-Kent campaign. A financial statement is included.  
AP CO MU

#### Key employment areas, 1987

Toronto : Metropolitan Toronto Planning Dept.; Research Division, 1988. 16 p. : ill. (Metro facts ; 09) *CSI 89181.217.*  
MICROLOG 90-06160 1 fiche

Traces the growth of total employment in the key employment areas, annually from 1983 to 1987 and shows their ever-increasing importance in the overall employment picture in Metropolitan Toronto. The employment numbers are based on 10 categories converted to 6 categories for historical analysis purposes.  
LA MU ON

#### Kings County

compiled by Wendy L. Thorpe. Halifax : Public Archives of Nova Scotia, 1989. 16 p. (Nova Scotia genealogical sources county guide series ; no. 2) ISBN 0-88871-099-2  
MICROLOG 90-05536 1 fiche

This booklet contains a map and list of genealogical sources for the area, all of which are available at the Public Archives of Nova Scotia.  
AP CU PR

#### Kiwifruit manual

by B. Warner. S.I. : Kiwi Fruit Growers Association of B.C. ; Ottawa : Agriculture Canada, New Crop Development Fund ; Victoria : Ministry of Agriculture and Fisheries, 1989. 23 p. : ill. Bibliogr. ISBN 0-7718-8905-4  
MICROLOG 90-04423 1 fiche

Manual on the production and marketing of kiwi fruit, as well as a history of the crop in B.C., varieties available, production in greenhouses, world crop outlook, and nutritional information.  
• AG BC CA PR SC ST

#### Knight Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 40 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 495)  
MICROLOG 90-02995 1 fiche

Geological data inventory for Knight Township, including a checklist of sources, metals and minerals reference list, mineral occurrences, exploration work by company, drillhole summary by company, airborne geophysical survey, geochemical survey, newspaper clippings, results of a general index search, selected references, and aerial photographs available.  
NR ON PR PS SC

#### Knowledge development for health promotion : a call for action

Ottawa : Health and Welfare Canada, Health Services and Promotion Branch, 1989. ii, 213 p. : ill. Bibliogr. (Health Services and Promotion Branch working paper ; HSPB 89-2) *French ed. (Le Développement des connaissances...)* : 90-00221/3. ISBN



0-662-16914-X  
MICROLOG 90-00222 3 fiche

This report summarizes the key features of the Health Promotion Framework; examines the elements of knowledge development; reviews Health and Welfare Canada's key dissemination and research activities to date; and considers what future steps may be taken to advance the process of knowledge development. It also provides highlights and summaries of 24 literature reviews and research reports.  
CA CI HE

#### Kootenay National Park service plan : appendices

Ottawa : Environment Canada, Canadian Parks Service, Western Region, 1989. 121 p.  
MICROLOG 90-06362 2 fiche

These appendices provide guidance for those involved in implementing the direction provided in the service plan. Appendices include a summary of all action items identified by service area, the scope of work, the detailed themes and messages to be communicated, and details of requirements for each area in the park; summary profiles of the 6 visitor activity groups and the relative importance of each; and relative priorities of operational and capital projects.  
BC CA CU

#### Labelling of drugs for human use

Ottawa : Health and Welfare Canada, Health Protection Branch, 1989. iv, 47 p. Bilingual (L'Étiquetage des médicaments...). At head of title: Drugs Directorate guidelines.  
MICROLOG 90-04870 1 fiche

The guideline contains excerpts from the Food and Drugs Act and Regulations; definitions of terms; and current interpretations of labelling requirements by officers of the Drugs Directorate, based on legal precedents and advisory opinions established over a period of years.  
CA HE

#### Labor productivity and costs of motor-manual release of spruce from hardwoods in Manitoba

by J.P. De Franceschi and F.W. Bell.  
Edmonton : Forestry Canada, Northwest Region, Northern Forestry Centre, 1990. vi, 14 p. : ill. Bibliogr. (Information report ; NOR-X-312) ISSN 0704-7673 ISBN 0-662-17632-4  
MICROLOG 90-05783 1 fiche

Description of labour productivity and costs for brush saw and chain saw release of white spruce from a trembling aspen overstory in 25- and 55-year-old spruce-aspen stands in Manitoba. The study also examined the effect of stand characteristics on labour production. Simple equations for estimating labour productivity from stand statistics are presented and treatment costs for the operations are estimated using the average labour production observed and the equations to predict labour productivity from stand characteristics.  
• CA FO MS SC

#### Laboratoire de recherches sur les grains (Canada) : Rapport annuel 1988-89

Ottawa : le Laboratoire, 1989. 55 p. : ill. Bibliogr. CSI 22192.004F.  
MICROLOG 90-05816 1 fiche

Ce document présente le 62<sup>e</sup> rapport du Laboratoire de recherches sur les grains. Il porte particulièrement sur: les 75 ans du Laboratoire de recherches sur les grains; les Anciens du LRG; les objectifs et les activités; l'assurance de la qualité; le soutien du marché; la recherche; les relations extérieures; les publications; et, le personnel.  
AG CA SC

#### Laboratory evaluation of recycled hot mixes, vol. 2 : moisture susceptibility and strength characteristics

by P.E. Joseph, K.K. Tam and D.F. Lynch.  
Toronto : Ministry of Transportation, Engineering Materials Office, 1989. 33 p. : ill. Bibliogr. (Report ; EM-89) ISBN 0-7729-5894-7  
MICROLOG 90-00427 1 fiche

To follow up the field investigation on the performance of recycled asphaltic concrete pavements (RAP), a material characterization study was undertaken to evaluate in the laboratory the moisture susceptibility and strength characteristics of recycled hot mixes containing various amounts of RAP materials in comparison to a virgin mix. It was also considered important to carry out an objective comparative study to gain better understanding of the effect of factors such as recycling ratio, and rejuvenating agent aggregates. The study also examines the feasibility of using shear strength criterion to supplement Marshall test, as there have been concerns with adequacy of mixtures designed according to Marshall method to withstand heavy traffic loads in heat.  
ON PR PS SC TR

#### Laboratory evaluation of recycled hot mixes, vol. 3 : fatigue resistance to dynamic loading

by P.E. Joseph, K.K. Tam and D.F. Lynch.  
Toronto : Ministry of Transportation, Engineering Materials Office, 1989. 31 p. : ill. Bibliogr. (Report ; EM-90) ISBN 0-7729-5895-5  
MICROLOG 90-00428 1 fiche

Summary of the findings of a study on the evaluation and comparison of the flexural fatigue characteristics of recycled hot mixes and conventional mix. Mixtures with different recycling ratios from 5 projects in Ontario were evaluated using the flexural fatigue test method. The test was carried out at 21C under controlled strain mode, and a haversine wave loading of 0.1 s duration and a 0.4 s rest period was used to simulate the effect of traffic loading. The test results were presented as plots of strain E versus the number of cycles to failure, and the estimates of fatigue coefficients were obtained from these graphs.  
ON PR PS SC TR

#### Laboratory methods for testing peat : Ontario Peatland Inventory Project

by J.L. Riley. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. viii, 51 p. : ill. Bibliogr. (Ontario Geological Survey miscellaneous paper ; 145) ISSN 0704-2752 ISBN 0-7729-6000-3  
MICROLOG 90-01874 1 fiche

This inventory of the peat and peatland resources of Ontario was intended to provide information on possible fuel peat deposits as a means of encouraging increased energy self-sufficiency, as well as information on the resources of horticultural peat in the province. The inventory undertook laboratory analyses of over 1700 peat samples collected during the studies, the analysis of which entailed the development and standardization of required laboratory methods, and the assessment of the precision and accuracy of the reported data. This report details the specific laboratory methods which were used, and evaluates the results of internal and blind quality control tests. It also reports the results of several tests of particular methods, and suggests the precision levels from the use of these techniques.  
AG EN ON PR SC

#### Laboratory study of friction in TFE sliding surfaces for bridge bearings

by T.I. Campbell and W.L. Kong. Toronto : Ministry of Transportation, Research and Development Branch, 1989. v, 65 p. : ill. Bibliogr.  
MICROLOG 90-01347 1 fiche

Summary of the state-of-the-art of tetrafluorethylene (TFE) slide surfaces in bridge bearings, identifying the more significant parameters which influence the coefficient of friction of TFE. The report describes a test program to investigate the influence of contact pressure, temperature, sliding speed and roughness of the stainless steel surface and analyzes the test data.  
ON PR PS SC TR

#### Labour market developments in the 1980s -- Rev.

by K. Kerr. Ottawa : Library of Parliament, Research Branch, 1989. 14 p. Bibliogr. (Current issue review ; 89-1E) French ed. (Le Marché du travail...) on the same fiche. ISBN 0-660-13322-9  
MICROLOG 90-01844 1 fiche

Recent estimates suggest that more than four million people secure employment each year, while a similar number become unemployed or leave the labour market. Conditions in this market throughout the 1980s have been influenced by a number of factors, chief among which are the 1981-82 recession, the disproportionate growth in regional employment during the recovery and an increase in the incidence of long duration unemployment. These, and other trends which have developed since the beginning of the decade, are the subject of this review.  
CA CI CO LA

#### Labour market jurisdiction study : a provincial/territorial comparison -- 4th ed.

Winnipeg : Manitoba Education and Training, 1990. 197 p.  
MICROLOG 90-06272 3 fiche

Summarizes the structure and organization of labour market activities in each of the provinces and territories. The document also provides a basis for comparison of the many employment and training programs available across the country.  
LA MS PR

#### Labour market study of the British Columbia aerospace industry : final report

McNeal and Associates Consultants, Limited. Vancouver, B.C. : Asia Pacific Initiative Advisory Committee, Transportation Task Force, 1989. ix, 182 p. : ill. Bibliogr.  
MICROLOG 90-01771 3 fiche

Contains a report on a study and skills/training inventory of the current and future human resource requirements in the British Columbia Aerospace Industry. It also assesses the economic cost of not providing for these requirements.  
BC LA PR PS SC

#### Labour market trends and human resource issues : information for employers in Alberta

Edmonton : Alberta Career Development and Employment, Apprenticeship and Trade Certification Program, Access Initiatives Branch, 1989. 11 p.  
MICROLOG 90-00949 1 fiche

Provides an overview of the labour market and a synopsis of major trends. It also includes some statistical background information on underemployed segments of the population.  
AL LA PR



**Labour organization registry, 1989**

St. John's : Dept. of Employment and Labour Relations, Program Planning and Review Division, 1990. 32 p. *CSI 49126.001*  
MICROLOG 90-06924 1 fiche

This registry contains a listing of trade unions, business agents/representatives, and employer organizations within the province. This document is updated according to information received on the trade union return forms.  
AP LA PR

**Labour organizations in Nova Scotia, 1990**

Halifax : Dept. of Labour, Research Division, 1990. xii, 231 p. *CSI 51110.007*. ISSN 0383-3437  
MICROLOG 90-05388 3 fiche

This publication is a comprehensive directory of labour organizations in the province. It provides names and addresses for most executive members of each union local and also the names and addresses of full-time business agents where it is appropriate. It also provides statistics outlining the growth and distribution of union membership in the province.  
AP LA PR ST

**Labour relations in the construction industry**

Commission de la construction du Québec. Research and Organization Dept.. Montreal : The Commission, 1988. 10 p.  
MICROLOG 90-02485 1 fiche

Presents historical background information on labour relations, and discusses the Act respecting labour relations in the construction industry, amendments to the Act, and characteristics of the present system.  
LA PL PR QU

**Lac Seul management plan**

Sioux Lookout, Ont. : Ministry of Natural Resources, Sioux Lookout District Office, 1988. iii, 75 p. Bibliogr. ISBN 0-7729-2647-6  
MICROLOG 90-00921 1 fiche

This document contains the findings and recommendations of the original plan of 1984. In addition, it contains the findings and recommendations resulting from studies conducted in 1985 and 1986. It also outlines the public consultation program that was carried out in the review of the plan.  
FI ON PR SC

**The LaHave River : physiography and potential for Atlantic salmon production**

by R.W. Gray, J.D. Cameron and E.M.J. Jefferson. Halifax, N.S. : Dept. of Fisheries and Oceans, Science Branch, 1989. iv, 58 p. : ill. (Canadian technical report of fisheries and aquatic sciences ; no. 1710) ISSN 0706-6457  
MICROLOG 90-02024 1 fiche

An extensive Atlantic Salmon enhancement project was undertaken on the main branch of the LaHave River above Morgan Falls beginning in 1969. This report describes the involvement of the Department of Fisheries and Oceans in improving fish passage on the river; outlines some of the physical, biological and chemical characteristics of the watershed; presents data on stream obstructions, stream profiles, water discharge, water temperature and water chemistry; and describes the spawning and nursery habitat classified according to type and measured quantitatively for each major salmon producing tributary of the river.  
● AP CA CF FI SC

**Lake dynamics and the effects of flooding on total phosphorus**

by B.C. Kenney. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1990. 8 p. : ill. Bibliogr. (NHRI contribution ; no. 89016) In Canadian Journal of Fisheries and Aquatic Sciences : vol. 47, no. 3, 1990 ISSN 0838-1992  
MICROLOG 90-06491 1 fiche

This paper models the dynamics of total phosphorus in lakes as a first-order linear system with time dependent coefficients. The model has one source term for phosphorus, the total inflow to the lake. Two sink terms remove phosphorus from the model lake, the outflow from the lake, and sedimentation to the lake bottom. The forced response of the model is calculated using 16 years of published inflow data from Lake Washington as input. Results are compared with the measured response for Lake Washington following sewage diversion from the lake.  
CA CF EV MS PS SC

**Lake hydrology studies in the Mackenzie Delta, N.W.T.**

by P. Marsh and S.C. Bigras. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 7 p. : ill. Bibliogr. (NHRI contribution ; no. 88032) Prepared for the 17th Canadian Hydrology Symposium. ISSN 0838-1992  
MICROLOG 90-06473 1 fiche

In the late 1970s, B.C. Hydro proposed the development of 2 hydroelectric dams on the Liard River. It was soon realized that the resulting changes in the hydrologic regime of the Liard River could be wide ranging and might even affect the Mackenzie Delta, 1700 km downstream. In light of these environmental concerns, a study of lake hydrology in the Mackenzie Delta was initiated in 1980 to improve the understanding of the hydrological processes controlling lake levels. This paper describes the research undertaken and the results obtained.  
CA NO NR SC

**Lake Isle**

Edmonton : Alberta Environment, 1989. 11 p. : ill.  
MICROLOG 90-00245 1 fiche

Brochure presenting the findings of water quality studies on Lake Isle, located about 80 km west of Edmonton. Physical and hydrological characteristics are discussed, and an explanation given for such lake characteristics as temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics.  
AL EV PR SC

**Lake neutralization experiments in Ontario, 1981-87 : summary of phase 1**

by D.P. Dodge...et al. Toronto : Environment Ontario ; Ministry of Natural Resources, 1988. 39 p. : ill. Bibliogr. ISBN 0-7729-4429-X  
MICROLOG 90-01113 1 fiche

In July 1981, a 5-year investigation of the feasibility of using neutralization to protect Ontario lakes that are in danger of acidification and rehabilitate lakes already acidified was announced. One of the initial objectives of the program was to test the feasibility of whole-lake liming to rehabilitate an acidified lake. Because of the importance of lake trout as a sport fish in Ontario and the sensitivity of lake trout to acidification, the study concentrated initially on rehabilitating a lake trout fishery. One acidic lake, Bowland Lake, and 2 lakes sensitive to acidification, Trout and Miskokway Lakes, were

selected for intensive studies. A 4th lake (Fowke Lake) with a self-reproducing native lake trout population was chosen as a non-acidic control lake for bioassay experiments. A moderately acidic lake, Laundrie Lake, was chosen for shoal liming experiments (site-specific neutralization). Field work began in the spring of 1982 with the neutralizing of Bowland Lake in August 1983 and Trout Lake in May 1984. This report provides a summary of the results.  
EV ON PR SC

**Lake O'Hara visitor survey**

prepared for Canadian Parks Service, Western Regional Office ; by Maureen Bush, Richard Roberts. Calgary, Alta. : Praxis, 1990. iii, 76 p.  
MICROLOG 90-03128 1 fiche

This profile includes demographics of the visitors, visitor's reasons for coming to Lake O'Hara, and expectations for the visit. It determines user views and preferences towards present and alternate visitor management techniques that may be appropriate for the area. It also estimates the visitor capacity of the area, based on the perceptions of visitors.  
BC CU PR

**Lake Ontario Fisheries Unit : 1988 annual report**

Toronto : Ministry of Natural Resources, 1989. 366 p. : ill. *CSI 55132.001*. ISSN 0838-5653  
MICROLOG 90-00351 4 fiche

Annual report of the Unit, including a list of programs, projects, project leaders, and the recommendations arising as a result of a program review, a report on staff and staff changes, building renovations and vessel alterations; a discussion of the status of the Lake Ontario management plan; a progress report in lake trout early life history studies (fry trapping and habitat mapping); a progress report on a project designed to collect information about incidental catches of sport fish in the eastern Lake Ontario gillnet fishery for yellow perch, a discussion of recent changes in the eastern Lake Ontario commercial fishery; and a report on commercial landings in eastern Lake Ontario.  
FI ON PR SC ST

**Lake Ontario Fisheries Unit : 1989 annual report**

Toronto : Ministry of Natural Resources, 1990. 135 p. : ill. Bibliogr. *CSI 55132.001*. ISSN 0838-5653  
MICROLOG 90-05101 2 fiche

Annual report of the Unit, presenting reports on walleye populations in eastern Lake Ontario and the Bay of Quinte; relationship between walleye populations and index gill net catches in the Bay of Quinte; smelt abundance and growth in western Lake Ontario, nearshore index gill nets, survival, growth and distribution of stocked lake trout; surveillance report for lake trout rehabilitation in Lake Ontario; community oriented lake assessments etc. Research projects being conducted in Lake Ontario on fish community dynamics and studies, sampling variability, stock identification of lake whitefish and discrimination between rainbow trout of native and hatchery origin is also discussed.  
FI ON PR SC ST

**Lake regimes, Mackenzie Delta, N.W.T., 1985**

by S.C. Bigras. Saskatoon, Sask. : Environment Canada, Hydrology Division, National Hydrology Research Institute, 1988. vii, 44 p. : fold. ill. Bibliogr. (NHRI contribution ; no. 87005) ISSN 0838-1992  
MICROLOG 90-05374 1 fiche

The Lake Regimes, Mackenzie Delta N.W.T. study was initiated in 1980 in response to proposed hydroelectric development on the Liard River. Hydrological and meteorological



data were collected from 1981-85 in 3 areas along the eastern sector of the Mackenzie Delta from April to September. This report highlights the analysis of data collected during the 1985 field season. The data was collected at 3 study areas in the Delta and consisted of a snow and ice survey at the end of April; aerial reconnaissance of spring break-up conditions from late May to early June; continuous monitoring of lake and channel water levels and climatic conditions from April to September; and periodic velocity measurements from June to September.  
CA NO NR PS SC

#### Lake Winnipeg walleye fecundity

by J.P.R. Olynyk. Winnipeg : Manitoba Natural Resources, Fisheries Branch, 1982. iv, 21 p. : ill. Bibliogr. (Manuscript report ; no. 82-27)  
MICROLOG 90-05591 1 fiche

An analysis of fish fecundity in relation to other population statistics is essential for population dynamics studies, systematics in racial studies or in connection with total population estimates. This project was carried out in 1981 to determine the number of eggs produced by Lake Winnipeg walleyes as a function of body size. In addition, fecundity data from a 1975 study were analyzed and compared to the results in 1981. This information is to be used to estimate recruitment in a Lake Winnipeg management model.  
FI MS PR SC

#### Lambton TGS ash storage area stability analysis

by A. Vorauer. Toronto : Ontario Hydro, Research Division, 1990. 20 p. : ill. (Report ; no. 89-314-K)  
MICROLOG 90-06037 1 fiche

Since the height of the Lambton Thermal Generating Station ash storage area is to be increased to 18 m above grade, a stability analysis was undertaken to assess the feasibility. The analysis consisted of a field and laboratory testing program to evaluate the in situ ash and overburden strengths and a computer-based, slope stability analysis to determine the minimum factor of safety and critical slope surface geometry. This report provides the results of that analysis.  
EN EV ON PR PS SC

#### Land and water information standards in New Brunswick

prepared by the Cabot Group Inc. ; in association with the University of New Brunswick and Universal Systems Ltd. Fredericton : Surveys and Mapping Committee, 1989. ix, 82 p. : ill. Bibliogr.  
MICROLOG 90-02662 1 fiche

Report of an investigation of land and water information standards in New Brunswick, covering the development of a framework within which existing standards for recording, classifying, coding and storing data, related to land and water management in New Brunswick, can be examined; the preparation of an inventory of existing standards, and the identification of any conflicts, inconsistencies or major omissions in current standards which should be addressed by the provincial government.  
AP EV PR SC

#### Land leasing agreement

Winnipeg : Dept. of Agriculture, 1989. iii, 70 p.  
MICROLOG 90-04926 1 fiche

Outline of the financial, legal and tax considerations of leasing land in Manitoba. The brochure covers the advantages and disadvantages of leasing the land, the requirements for a successful lease, written agreements, types of land leasing agreements (crop share, cash, flexible cash), land leases and income tax, legal aspects, and steps in

completing a lease agreement, including a sample form.  
AG MS PR SC

#### Land use planning for housing : a statement of Ontario Government policy issued under the authority of section 3 of the Planning Act, 1983

Toronto : Ministry of Housing ; Ministry of Municipal Affairs, 1989. 13, 14 p. Bilingual (Aménagement du territoire...). At head of title: The Planning Act : policy statement. MICROLOG 90-05006 1 fiche

Policy statement addressing the relationship between housing and the land use planning process. The statement covers the supply of land for residential development; the land use planning approval process, land use standards which regulate the range of housing types which can be provided; and the effective use of existing building stock and previously developed land for new housing. The statement describes how these housing issues are to be addressed by planning jurisdictions in Ontario using the authority under the Planning Act, including official plan policy, zoning provisions, and the development appeals process.  
ON PL PR SA SC

#### Land use requirements for anticipated hydrocarbon development in the Mackenzie Delta-Beaufort Sea land use planning region

R.A. Owens Environmental Services Ltd. Calgary, Alta. : Canadian Petroleum Association, 1989. 101 p. : ill., maps. Bibliogr. MICROLOG 90-04402 2 fiche (Available on fiche only)

The Mackenzie Delta-Beaufort Sea Regional Land Use Planning Commission intends to produce a completed land use plan by mid-1990. This report was prepared in response to a request from the Commission and presents details of likely land requirements for oil and gas development in the planning region based on information currently available. The report includes development scenarios, production/processing sites, corridors, transmission pipelines, and special areas.  
• AL CA EN EV SC

#### Language and literacy problems in Alberta's labour force

by M.D. Harvey. Edmonton : Alberta Community and Occupational Health, Occupational Health and Safety Division, Research Branch, 1987. vii, 52 p. Bibliogr. CSI 36016.201.  
MICROLOG 90-05865 1 fiche

Questions arise periodically regarding the effects of language difficulties on the health and safety of workers. Problems may be experienced by persons whose native language is not the language of the workplace, and by persons who are illiterate. The basic issue is whether or not persons in these two categories are adequately informed regarding health and safety at work. The purpose of this report is to present statistics which will indicate the degree to which language and literacy problems may exist in the Alberta workplace. The principal source of this information is the 1981 Canada Census.  
AL CU LA PR

#### The Language of pain : perspectives on behaviour management

Downsview, Ont. : G. Allan Roeher Institute, 1988. 180 p. Bibliogr. French ed. (Un Discours douloureux...). : 90-03796/3. ISBN 0-920121-36-5  
MICROLOG 90-03795 2 fiche (Available on fiche only)

This collection of articles looks at how aversive techniques are used as a form of 'therapy' for people with mental handicaps, who present what

are known as 'challenging behaviours'. The work includes the views of a number of specialists (doctors, lawyers, psychologists) who argue that the use of aversive procedures to alter human behaviour is not only socially, ethically, legally and scientifically untenable; it is also unjust.

• BS CA CI SA

#### Langues officielles : Rapport annuel 1988-89

Ottawa : Secrétariat d'Etat du Canada, 1989. xi, 103, xi, 97 p. : ill. Bilingue (Official languages...). CSI 21120.003. ISBN 0-662-57137-1  
MICROLOG 90-02599 3 fiche

Ce document présente le rapport annuel sur les questions relevant de la mission du Secrétaire d'Etat en matière de langues officielles, rapport portant sur l'exercice 1988-89. Il donne un rappel historique de la situation et se penche particulièrement sur les points suivants: les nouvelles loi et la relance des politiques de langues officielles; le renouvellement des programmes et l'année financière 1988-89; et, les conclusions et perspectives.

CA CU PA SA ST

#### Les Langues officielles dans les institutions fédérales : Rapport annuel 1988-89

Ottawa : Conseil du trésor, 1989. 59, 59 p. : ill. Bilingue (Official languages...). CSI 21124.005. ISBN 0-662-57060-X  
MICROLOG 90-03184 2 fiche

Ce rapport, qui couvre la période allant du 1er avril 1988 au 31 mars 1989, se concentre sur la mission que la Loi sur les langues officielles confie au Conseil du Trésor pour l'élaboration et la coordination générales au sein des institutions fédérales des programmes relatifs aux trois éléments complémentaires que sont le service au public, la langue de travail et la participation des Canadiens d'expression française et d'expression anglaise. Il aborde la démarche canadienne, la situation actuelle dans les institutions fédérales et les activités du Conseil du Trésor.

CA PA

#### Lapland : the native north in Norway

by P. Jull. Yellowknife : Aboriginal Rights and Constitutional Development Secretariat, 1988. 99 p.  
MICROLOG 90-02652 2 fiche

The purpose of this study of Norwegian experience is to provide information to the Government of the N.W.T. on other instances of northern political and administrative reform, and on questions relating to aboriginal rights.  
NP PR

#### Large-scale retail uses in industrial lands : reports to council

Vancouver, B.C. : Vancouver Planning Dept., 1987. 29 p.  
MICROLOG 90-03103 1 fiche

On April 2, 1987, the Standing Committee on Finance and Priorities resolved that the issue of large-scale uses in industrial areas be referred to the next meeting of Council, and that further delegations be received at that time. This document contains the relevant extract from the Committee's report.  
BC MU PL

#### Late Quaternary marine record of the Cape Parry-Clinton Point region, District of Mackenzie

by D.E. Kerr. Yellowknife : Indian and Northern Affairs Canada, NWT Geology Division, 1988. 11 p. Bibliogr.  
MICROLOG 90-00032 1 fiche

The Cape Parry-Clinton Point study area comprises Parry Peninsula, Darnley Bay and



the coastal lowlands north of the Melville Hills. The region was investigated during the summer of 1988 to record the marine stratigraphy and the major raised marine geomorphic features. Twenty stratigraphic sections were measured.  
NO NR PR PS SC

**Laurentian Pilotage Authority  
(Canada) : Annual report 1989**

Ottawa : The Authority, 1990. 15 p. *Bilingual.*  
CSI 22241.001. ISBN 0-662-57312-9  
MICROLOG 90-05420 1 fiche

Established in 1972, the Authority's objectives are to establish, operate, maintain and administer an efficient pilotage service in waters in the area of the St. Lawrence, in Quebec. This document includes the responsibilities of the organization and its management, financial and statistical highlights for 5 years, and a financial statement.  
CA QU SC ST TR

**The Law and how it helps in the  
conservation of migratory birds for  
sustained use**

by W. Spencer. Edmonton : Canadian Wildlife Service, Western and Northern Region, 1990. 13 p. Bibliogr.  
MICROLOG 90-06745 1 fiche

Migratory birds are a national concern. One province's failure to regulate hunting of migratory game birds in concert with other provinces could well lead to disintegration of the entire system of regulations and violation of the terms of the Treaty. This document discusses the early history of the role of the law in the conservation of migratory birds. It also presents a summary of regulatory enforcement.  
CA EV SC

**Law Foundation of Saskatchewan :  
Annual report 1988-89**

Regina : The Foundation, 1989. 12 p.  
CSI 72225.001.  
MICROLOG 90-04709 1 fiche

This annual report outlines the major activities and accomplishments of the Foundation, and includes an auditors' report.  
JU MS PR

**Law Reform Commission of British  
Columbia : Annual report 1989-90**

Victoria : The Commission, 1990. ii, 55 p.  
Bibliogr. CSI 38157.001. ISSN 0381-2510  
MICROLOG 90-05086 1 fiche

The Commission reviews all law in the province including statute law, common law and judicial decisions, with a view to its systematic development and reform. The annual report reviews programs covering debtor-creditor relationship topics, real property law topics, vicarious liability under the Motor Vehicle Act, property rights on marriage breakdown, court jurisdiction, and justice reform references. Also discussed are actions on commission recommendations and relationships with other agencies.  
BC JU PR

**Law Reform Commission of Canada :  
Annual report 1988-89**

Ottawa : The Commission, 1989. 48, 50 p. : ill.  
Bibliogr. *Bilingual.* CSI 22242.001. ISBN 0-662-57301-3  
MICROLOG 90-04837 2 fiche

According to the Law Reform Commission Act, the Commission is mandated to review on a continuing basis all the federal laws of Canada and to make recommendations for their improvement, modernization and reform; to develop new approaches to the law that are in keeping with, and responsive to the changing needs of modern Canadian society; and to reflect in its recommendations the distinctive concepts and institutions of the common law

and civil law legal systems in Canada. This annual report focuses on the the Commission's influence on law reform, their publications, current research and their continuing efforts in trying to get the public to discuss law and principles of law.  
CA JU

**Law Society of Manitoba : Annual  
report 1989**

Winnipeg : The Society, 1989. 45 p.  
CSI 41122.005  
MICROLOG 90-03584 1 fiche

This annual report reviews membership, continuing legal education, and presents financial statements.  
JU MS PR

**Law survey : exceptions to copyright  
for libraries and archives**

Ottawa : National Library of Canada, 1987. 36 p.  
MICROLOG 90-00276 1 fiche

Presents a survey of the current legislation of all those countries having international copyright relations, either as members of the Berne Union or as party to the Universal Copyright Convention, and in so far as national legislation exists in each of those countries. The wording of the survey is, as far as possible, based on that used in the legislative provisions of the country being surveyed. Those legislative provisions addressing preservation and library copying are summarized as well as legislative provisions which permit copying for other related purposes. Seventy-six countries have been surveyed.  
CA CI CU EX JU

**Laws governing the dynamics of the  
population size of chum in the basin  
of the Kamchatka River**

by E.T. Nikolaeva. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 19 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5463) *Originally published in Russian.* ISSN 0704-3716  
MICROLOG 90-00603 1 fiche

Study undertaken to improve the estimates of the chum stock, a species of salmon which after pink salmon is next in commercial and economic importance in the Far East, including Kamchatka. Taking as an example the large commercial population of chum in the basin of the Kamchatka River, the study aimed at establishing the basic laws that govern the dynamics of the stock and, using this information, at developing a methodology of long-term forecasting and a set of recommendations for a rational exploitation of the stock. The study uses Japanese and Soviet data on the Kamchatka River chum caught in the sea (1952-76) and at the coast (1937-86), and the numbers of spawners at the spawning grounds (1945-86). Biosamples were taken in the fishing season every year, starting in 1945, and the age composition of the catch taken from the sea and from the spawning grounds was compared with that of the fishes caught in the coastal zone.  
• CA CF FI LS SC

**Lawson Township**

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 38 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 514)  
MICROLOG 90-05619 2 fiche

Geological data inventory for Lawson Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences by claim, exploration work by company, drillhole summary, geochemical survey data, newspaper clippings available, results of

an ODM general index search, and selected references.  
NR ON PR PS SC

**Leaching of TMAO and volatile  
nitrogen compounds from fish stored  
in ice**

by E. Langmyhr, G. Tertnes and F. Iversen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 34 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5336) *Originally published in Norwegian, by the Fisheries Directorate, at Bergen, Norway.* ISSN 0704-3716  
MICROLOG 90-01471 1 fiche

Water soluble compounds in fish leach into the melt water when fish is stored in ice and into the sea water when it is stored in RSW. This experiment studied leaching in ice through collection of the melt water. The experiment used coalfish caught in April 1983. The coalfish were used whole, blood-drained and gutted and deheaded and stored in ordinary fish boxes with ice, one type per box. The boxes were kept in cold storage at 3C. One box with gutted and deheaded fish was also stored at 25C. Each box contained 20 kg of fish and more ice was added when necessary. The melt water was collected and samples were taken after 1, 3, 6, 9, 13 and 16 days and analyzed and the collecting container was replaced each time. The melt water was analyzed for volatile nitrogen, trimethylaminoxide, trimethylamine, dimethylamine, hypoxanthine, inosine, inosinemonophosphate, ninhydrin reactive substances, and dry matter.  
• CA CF FI SC

**Leaded gasoline phase-out**

Ottawa : Environment Canada, Conservation and Protection, 1989. 3, 3 p. : ill. *Bilingual (Elimination progressive de l'essence...).* ISBN 0-662-56894-X  
MICROLOG 90-02208 1 fiche

Lead is a substance which is highly toxic to humans and to the environment and in the early 1970s, Health and Welfare Canada became concerned about the adverse effects of lead pollution on human health. This factsheet gives information on the health effects of lead, timing of the phase-out and its economic impacts, the benefits to consumers, the effects on vehicles, and the results of misfueling.  
• CA EV SC TR

**Learning and leadership : women's  
participation in education : a  
discussion paper**

Saskatchewan. Saskatchewan Education. Regina : The Ministry, 1988. 39 p. : ill. Bibliogr.  
MICROLOG 90-05683 1 fiche

This paper presents statistical information on female enrolment and employment patterns within the education system, a description of common barriers to women's equal participation and strategies to promote sex equity in education; an outline of initiatives already undertaken in Saskatchewan; other options for actions available to educational institutions and Saskatchewan Education; and the major issues arising from an analysis of the current situation in Saskatchewan.  
ED MS PR SA

**Learning disabled students in the  
Nova Scotia public school system**

report to the Minister of Education ; by the Standing Committee on Human Resources. Halifax : The Standing Committee, 1990. iii, 12 p. Bibliogr.  
MICROLOG 90-02821 1 fiche

Provides information on Committee deliberations, the effects of the current system on the learning disabled child, the learning disabled adult, and special education facilities in the



province. Contains conclusions and recommendations.  
AP ED PR

#### Leask Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 14 p. : fold. maps. (Geological data inventory folio ; GDIF 492)  
MICROLOG 90-03052 1 fiche

Geological data inventory for Leask Township, including a checklist of sources, metals and minerals reference list, mineral occurrences, exploration work by company, selected references, and references to aerial photographs.  
NR ON PR PS SC

#### Legal Aid New Brunswick : Annual report 1987-88

Fredericton : Law Society of New Brunswick, 1988. 32, 26 p. *Bilingual*. CSI 46101.001.  
MICROLOG 90-00279 1 fiche

Provides information on administrative activities of Legal Aid, an agency of the Law Society of New Brunswick, with a review of its different committees' operations, panels by type of law (civil duty and legal, criminal, counsel and aid), caseloads, and costs incurred. Aid rendered is detailed by type, area, and county. Financial statements are included in an appendix to the report.  
AP JU PR ST

#### Legal Aid New Brunswick : Annual report 1988-89

Fredericton : Law Society of New Brunswick, 1989. 31, 25 p. *Bilingual*. CSI 46101.001.  
MICROLOG 90-05874 1 fiche

Provides information on administrative activities of Legal Aid, an agency of the Law Society of New Brunswick with a review of its different committees' operations, panels by type of law (civil duty and legal, criminal, counsel and aid), caseloads, and costs incurred. Aid rendered is detailed by type, area, and county. Financial statements are included in an appendix to the report.  
AP JU PR ST

#### Legal Aid Services Society of Manitoba : Annual report 1987-88

Winnipeg : The Society, 1988. 41 p. CSI 42102.001.  
MICROLOG 90-00674 1 fiche

The mandate of Legal Aid Manitoba is to deliver legal services to low income people and groups. This annual report contains a deputy director's report, and a public interest law centre report. It also reviews legal aid activity by area, lists staff who were employed by Legal Aid Manitoba during some portion of the 1987/88 fiscal year, and provides financial statements.  
JU MS PR ST

#### Legal Aid Services Society of Manitoba : Annual report 1988-89

Winnipeg : The Society, 1989. 44 p. CSI 42102.001.  
MICROLOG 90-04924 1 fiche

This annual report covers financial eligibility guidelines, tariff of fees, issues involving northern Manitoba, and community law centres. It presents statistics on legal aid activity by area; an analysis of certificates issued; an analysis of completed cases by type of case; legal aid fees and disbursements by area; an analysis of completed cases by court; and duty counsel fees and disbursements. It also provides financial statistics.  
JU MS PR ST

#### Legal issues arising out of integrated information systems : an overview of practical considerations and recent developments

by J.V.T. Knoppers. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1987. 29 p. Bibliogr. *French ed. (Questions de droit...)* : 90-05467/1. Prepared for the International Electronic Information Forum.  
MICROLOG 90-05469 1 fiche

The introduction of paperless information processing and communication technologies, coupled with their recent integration, has led to a situation where most of the traditional information law no longer applies. Even where it does, information processing professionals are not aware what these requirements are and how to integrate them into their information systems. This paper introduces and elaborates on the concept of information law; identifies a number of key information laws, their relevancy and recent developments; and presents some practical considerations and identifies issues yet to be resolved.  
CA PS SC TE

#### La Législation en matière de normes d'emploi au Canada

Ottawa : Travail Canada, 1990. 130 p. Bibliogr. *L'éd. anglaise (Employment standards legislation...)* : 90-03570/2. ISBN 0-660-92822-1  
MICROLOG 90-03571 2 fiche

Ce rapport fait état de la législation fédérale, provinciale et territoriale en vigueur le 1er janvier 1990, portant sur l'âge de la scolarité obligatoire et l'âge minimum d'admission à l'emploi, la durée du travail et la prime de surtemps, le salaire minimum, l'égalité de la rémunération, le jour de repos hebdomadaire, les jours fériés payés, le congé annuel payé, les congés parentaux, les cessations d'emploi individuelles et collectives et le recouvrement des salaires impayés. Un texte analytique cherche à donner un aperçu de chaque sujet traité. Dans la plupart des cas, des tableaux accompagnent ces textes et donnent une idée plus précise des dispositions qui existent dans chacune des compétences canadiennes.  
CA JU LA PA

#### La Législation en matière de relations industrielles au Canada

Ottawa : Travail Canada, 1990. iii, 66 p. : ill. *L'éd. anglaise (Industrial relations legislation...)* : 90-03581/2. ISBN 0-660-92820-5  
MICROLOG 90-03582 2 fiche

Ce document comprend deux parties; une partie qui résume sous forme de tableaux les principales dispositions législatives établies par les diverses autorités compétentes au Canada en matière de relations industrielles. Ceci comprend notamment les dispositions sur l'accréditation des syndicats, l'intervention gouvernementale au cours de négociations infructueuses, les exigences relatives aux grèves légales, le votes de grève, les clauses touchant l'utilisation de remplaçants durant une grève et la législation ayant trait au versement des cotisations syndicales. La deuxième partie contient une description narrative des lois qui traitent du changement technologique au palier fédéral et dans certaines provinces.  
CA JU LA PA

#### Législation et politique canadiennes en matière de concurrence : la bibliographie d'un centenaire, 1889-1989

Ottawa : Consommation et corporations Canada, Bureau de la politique de concurrence, 1990. 252 p. *Bilingue (Canadian competition...)*. ISBN 0-662-57571-7  
MICROLOG 90-06679 3 fiche

Cette bibliographie a été préparée sous la direction du Comité de direction du Bureau de la politique de concurrence afin de fournir une image du développement de la loi et de la politique canadienne sur la concurrence au cours des 100 dernières années. Les ouvrages contenus dans les pages de cette bibliographie ont trait au domaine légal ou à la politique publique.  
CA CO JU

#### La Législation fédérale concernant la pollution

par H. Morrison et P. Niemczak. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 24 p. Bibliogr. (Etude générale ; BP-198F) *L'éd. anglaise (Federal pollution legislation) sur la même fiche*. ISBN 0-660-92703-9  
MICROLOG 90-01892 1 fiche

La présente étude résume la législation fédérale canadienne qui régit et interdit la pollution, habituellement définie comme la contamination ou la perturbation de l'environnement par l'émission ou le déversement de substances nocives. Les nombreuses lois fédérales qui contiennent des dispositions touchant l'environnement naturel dépassent l'objet de la présente étude, sauf lorsqu'elles prévoient des mesures de contrôle de la pollution. Afin de faciliter la consultation de l'étude, les lois sont classées selon le type de pollution auquel elles s'appliquent.  
CA EV SC

#### Legislative activities, 1989

New Brunswick Legislative Assembly. Fredericton : The Assembly, 1989. 30, 30 p. : ill. *Bilingual (Activités législatives, 1989)*. CSI 45107.001.  
MICROLOG 90-02592 1 fiche

Contains a review of procedural, committee, and legal services. It also provides house statistics, and comparative house statistics. It includes information on the New Brunswick Legislative Library, the journal of debates, debates translation, and legislative activities.  
AP PA PR

#### Legislative proposals respecting a review and revision of the Family Law Reform Act, R.S.P.E.I. 1988 Cap. F-3 : white paper

Charlottetown : The Province, 1990. 159 p. MICROLOG 90-03859 2 fiche

The purpose of this White Paper is to stimulate debate and to assist the government in considering what changes, if any, should be made to the current Prince Edward Island Family Law Reform Act.  
AP JU PR SA

#### Leinster Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 16 p. : fold. maps. (Geological data inventory folio ; GDIF 473)  
MICROLOG 90-00701 1 fiche

Geological data inventory for Leinster Township, including a checklist of data sources, metals and minerals reference list, exploration work and drillhole summary by company or individual, results of airborne geophysical survey, results of a general index search, and selected references.  
NR ON PR PS SC

#### Leisure behaviour and recreation needs of Ontario's ethnocultural populations

by M.H. Hall and D. Rhyne. Toronto : Ministry of Tourism and Recreation, 1988. xiii, 265 p. Bibliogr. *Executive summary (xiii, 24 p.) laid in. At head of title: Research report*. ISBN



0-7729-5928-5

MICROLOG 90-01836 4 fiche

Presents the results of a study which examined whether or not there were differences in the leisure behaviour of Ontario's ethnocultural residents by means of a province-wide telephone survey. It also utilized a mail-out survey of recreation service providers to assess both their current level of service to ethnocultural populations and their need for support to enhance or develop such service. CU ON PR

### Leith Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 26 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 506) MICROLOG 90-05983 1 fiche

Geological data inventory for Leith Township, including a checklist of data sources, references to metals and minerals, mineral occurrences by geographic area, type of exploration work done by company or individual, drillhole summary by company, newspaper clippings, results of an ODM general index search, and selected references. NR ON PR PS SC

### Length and weight data from juvenile salmonids captured by surface trawling on the lower Fraser River during 1987 and 1988

by T.R. Whitehouse, S. Dionne and C.D. Levings. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989 iii, 131 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 771) ISSN 0706-6465 MICROLOG 90-03397 2 fiche

Surface trawling was carried out on the Fraser River from September 1987 to the end of August 1988. This program examined the distribution, seasonal abundance and species composition of the fish community present in the surface waters of the main channel of the Lower Fraser River at Queens Reach, near Port Mann. This report documents the length, weight, origin and horizontal distribution of juvenile salmonids captured in the program. • BC CA CF FI LS SC

### Lennan Lake area

compiled by the Staff of the Resident Geologists's Office, Kenora. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 19 p. : fold. maps. (Geological data inventory folio ; GDIF 493) MICROLOG 90-03050 1 fiche

Geological data inventory for Lennan Lake area, including a checklist of data sources, metals and minerals reference list, mineral occurrences by location, exploration work by company, drillhole summary by company or individual, results of a general index search, selected references, and aerial photographs. NR ON PR PS SC

### Lentil production in western Canada

by A.E. Slinkard and F.A. Holm. Regina : Saskatchewan Agriculture and Food ; Saskatchewan Rural Development, 1990. 6 p. (Farm facts) ISSN 0840-9447 MICROLOG 90-03563 1 fiche

Short description of lentil production, including market opportunities, adaptation, seedbed preparation and seeding, varieties, fertilizers, weed control by both cultural measures and the use of pesticides, insect pests, disease problems, and harvesting. AG MS PR SC

### Leonard Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 44 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 505) MICROLOG 90-05984 1 fiche

Geological data inventory for Leonard Township, including a checklist of data sources, references to metals and minerals, mineral occurrences by geographic area, type of exploration work by company or individual, drillhole summary by company, geochemical survey data, newspaper clipping file, results of an ODM general index search, and selected references. NR ON PR PS SC

### Lésions attribuables au travail répétitif : un atelier

Lésions attribuables au travail répétitif (1988 : Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail ; Ottawa : Conseil national de recherches Canada, Comité associé de l'application professionnelle des recherches en ergonomie, 1988. 92 p. : ill. Bibliogr. L'éd. anglaise (*Occupational Repetitive Strain...*) : 90-01081/2. ISBN 0-660-92641-5 MICROLOG 90-05334 2 fiche

Les lésions attribuables au travail répétitif constituent un problème de santé et sécurité au travail de plus en plus aigu dans des secteurs aussi variés que le travail de bureau, l'électronique, l'emballage et la musique. Le CCHST a tenu, les 28 et 29 mars, un atelier visant à mieux faire connaître le problème et à discuter d'une voie à suivre. Cet atelier a eu lieu à la demande du Comité associé de l'ergonomie du Conseil national de recherches, qui a d'ailleurs aidé à son organisation. Ce document se penche sur la question et en fait ressortir les points importants. • CA HE LA

### Let's Clear the Air : papers

sponsored by the Canadian Renewable Fuels Association. Toronto : Canadian Renewable Fuels Association, 1989. 61 p. : ill. MICROLOG 90-01413 1 fiche

Papers presented at a seminar on the environmental effects of automobile fuel. Coverage included renewable fuels and how they contribute to clean air, research for future fuels, the Colorado oxygenated fuels program, the effects on the environment of the fuels now being used, and the Canadian experience with renewable fuels. • CA EN EV SC

### Lethbridge (Alta.) : Annual report 1989

Lethbridge, Alta. : The City, 1990. 27 p. : ill. CSI 34112.005. MICROLOG 90-04454 1 fiche

This annual report highlights the activities of the municipal services. It also provides financial statements. AL MU PA

### Levack Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 37 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 472) MICROLOG 90-01088 1 fiche

Geological data inventory for Levack Township, including a checklist of data sources, metals and minerals references list, mineral occurrences, exploration work and drillhole summary by company or individual, airborne geophysical survey and geochemical survey

results, newspaper clippings, results of a general index search, and selected references. NR ON PR PS SC

### Lewis acid catalysed synthesis of di- and tri-saccharide sequences in O- and N-glycoproteins : the use of trimethylsilyltrifluoromethanesulfonate

by H. Paulsen and M. Paal. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 23 p. (Canadian translation of fisheries and aquatic sciences ; no. 5148) Originally published in German, by Elsevier Science Publishers at Amsterdam, The Netherlands. ISSN 0704-3716 MICROLOG 90-00090 1 fiche

Paper on the utilization of trimethylsilyltrifluoromethane sulfonic acid (trimethylsilyltriflate) as Lewis acid catalyst. The glycosidic reactions under Lewis acid catalysis and Koenigs-Knorr conditions are compared and the efficiency of the Lewis acid-catalyzed procedure demonstrated. • CA CF FI LS SC

### Lexique : droits de la personne

Gaston Veilleux ; en collaboration avec Paola Piantone, Yolande Bernard. Ottawa : Secrétariat d'Etat du Canada, 1989. vi, 59 p. Bilingue (Glossary : human rights). ISBN 0-660-54910-7 MICROLOG 90-00456 1 fiche

Ce lexique fournit une terminologie portant sur les droits de la personne, domaine peu exploité sur le plan de la terminologie. CA JU

### Lexique : emballage

par J. Le Page. Ottawa : Secrétariat d'Etat du Canada, 1989. 52 p. Bibliogr. Bilingue (Glossary : packaging). ISBN 0-660-54907-7 MICROLOG 90-00923 1 fiche

Lexique comprenant les termes anglais et français les plus souvent utilisés dans le domaine de l'emballage. Tout en tenant compte des progrès de la technologie, on y explore le domaine des machines et des équipements d'emballage, y compris l'emballage dit 'de sécurité', ainsi que le secteur des dispositifs et des techniques de fermeture des récipients. CA CO

### Lexique : immobilier -- 2e éd.

Janeen Johnston-Des Rochers ; en collaboration avec la Direction des langues officielles, Travaux publics Canada. Ottawa : Travaux publics Canada, Secrétariat d'Etat du Canada, 1990. viii, 90 p. Bibliogr. Bilingue (Glossary : realty). ISBN 0-660-55521-2 MICROLOG 90-05908 2 fiche

Cette publication constitue une mise à jour du lexique de l'immobilier préparé par le Service d'aide à la rédaction du ministère des Travaux publics avec la collaboration des Services de l'immobilier de ce Ministère et du Bureau de la traduction du Secrétariat d'Etat. Elle contient la terminologie de base relative à l'immobilier utilisée dans l'Administration fédérale ainsi que des expressions juridiques et des termes propres à la construction, la finance, l'administration, la fiscalité, l'arpentage et les marchés publics généralement associés au domaine de l'immobilier. Plus de 300 paires de termes ont été ajoutées aux 450 entrées de la version originale. CA SA

### Lexique : informatique -- 3e éd.

par L. Buendia. Ottawa : Secrétariat d'Etat du Canada, Bureau de la traduction, Direction de la terminologie et des services linguistiques, 1989. vi, 78 p. Bibliogr. Bilingue (Glossary : informatics). ISBN 0-660-55537-9 MICROLOG 90-02504 1 fiche



Le 'Lexique de l'informatique' appartient à une série d'ouvrages terminologiques destinés à faciliter la communication technique, en français et en anglais, dans les services de l'administration fédérale aussi bien que dans le secteur privé. Les entrées françaises et anglaises sont présentées dans l'ordre alphabétique absolu. Les abréviations et les synonymes sont séparés du terme ou de l'expression par un point-virgule. Les mots anglais à double orthographe sont donnés suivant l'usage britannique plutôt qu'américain, notamment les termes 'colour, disk, analogue' et 'programme'.

CA SC TE

#### Lexique : les explosifs

par M. Boileau. Ottawa : Secrétariat d'Etat, Bureau de la traductions, Direction générale de la terminologie et des services linguistiques, 1989. vi, 36 p. Bibliogr. *Bilingue (Glossary : explosives)* ISBN 0-660-55067-9  
MICROLOG 90-02228 1 fiche

Ce lexique contient des termes relatifs à l'utilisation des explosifs dans le domaine de l'exploitation minière. Il contient des termes réunis à partir de lexiques, de vocabulaires et de monographies diverses. Les entrées françaises et anglaises sont présentées dans l'ordre alphabétique absolu.

CA PS SC

#### Lexique analogique : analogies, synonymes, traductions, citations

par J. Dubé. Ottawa : Secrétariat d'Etat du Canada, 1989. vii, 257 p. ISBN 0-660-92673-3  
MICROLOG 90-02824 3 fiche

Ce document présente un mini-dictionnaire de synonymes, qui aide à la découverte du mot juste 'en français'. Par exemple, un rédacteur francophone veut rendre l'idée de 'fournir' dans un contexte particulier. Il consulte ce terme dans l'index français, qui le renvoie à provide, delivery, support et input, où il trouvera plusieurs éventuels de synonymes ou termes apparentés. En plus des entrées du lexique (en caractères gras), cet index contient des termes ou expressions plus ou moins analogues (par ex., locate - non traité - renvoie à identify). Les analogies ont été inventoriées sur le tas pendant environ un an.

CA CU ED

#### Lexique d'équipement lourd

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1990. xi, 357 p. Bibliogr. *Bilingue (Glossary of heavy...)*. ISBN 0-55048-037-5  
MICROLOG 90-05705 4 fiche

Le Comité du projet de lexiques a été formé principalement pour étudier le problème que posent les diverses traductions d'un même terme technique pour les étudiants, les traducteurs, les enseignants et les préposés aux programmes d'études. Son objectif est d'uniformiser la terminologie utilisée dans les examens provinciaux et interprovinciaux, les descriptions de cours, les analyses de profession et le matériel pédagogique. Ce document présente un lexique anglais-français, français-anglais des termes du domaine de l'équipement lourd.

AP PR PS SC

#### Lexique d'usinage -- 2e éd.

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1990. xi, 220 p. Bibliogr. *Bilingue (Glossary of machining)* ISBN 1-55048-215-7  
MICROLOG 90-06504 3 fiche

Ce lexique constitue une étape vers l'uniformisation de la terminologie du domaine de l'usinage. Il donne les termes anglais/français et français/anglais de ce

domaine afin d'uniformiser la terminologie utilisée dans les examens provinciaux et interprovinciaux.

AP PR PS SC

#### Lexique de briquetage

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1990. x, 106 p. Bibliogr. *Bilingue (Glossary of bricklaying)*.  
MICROLOG 90-04109 2 fiche

Ce lexique vise à uniformiser la terminologie dans le domaine du briquetage. Il donne les termes anglais-français, français-anglais de ce domaine.

• AP CA PS SC

#### Lexique de couverture

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1989. x, 85 p. Bibliogr. *Bilingue (Glossary of roofing)*. ISBN 1-55048-034-0  
MICROLOG 90-01244 1 fiche

Le Comité du projet de lexiques a été formé principalement pour étudier les problèmes que posent les diverses traductions d'un même terme technique. Son objectif est d'uniformiser la terminologie utilisée dans les examens provinciaux et interprovinciaux, les descriptions de cours, les analyses de profession et le matériel pédagogique. Ce document fournit les termes anglais et français du domaine des toitures.

AP PL PR SC

#### Lexique de débosselage et peinture de carrosserie

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1989. x, 96 p. Bibliogr. *Bilingue (Glossary of motor...)*. ISBN 0-55048-036-7  
MICROLOG 90-03332 2 fiche

Le Comité du projet de lexiques a été formé principalement pour étudier le problème que posent les diverses traductions d'un même terme technique pour les étudiants, les traducteurs, les enseignants et les élaborateurs de programmes. Ce document présente un lexique de débosselage et peinture de carrosserie.

• CA SC TR

#### Lexique de l'emploi

par E. Beauregard, F. Dubois et G. Jalbert. Ottawa : Canada. Secrétariat d'Etat du Canada, 1990. xiii, 623 p. *Bilingue (Employment glossary)*. ISBN 0-660-55656-1  
MICROLOG 90-04228 7 fiche

Ce lexique, qui comprend environ 6 000 entrées, dont 900 nouvelles, représente une version épurée de l'édition de 1983. Les termes désignant une même notion ont été regroupés; la nomenclature au complet a été revue en regard de la banque de terminologie Termium et de quelques ouvrages terminologiques existant dans les domaines des relations du travail, de l'administration et des finances. Il consigne les principales appellations officielles et le vocabulaire courant utilisés par la Commission de l'emploi et de l'immigration du Canada.

CA LA

#### Lexique de l'immigration

par J. Johnston-Des Rochers et J.M. Saint-Louis. Ottawa : Secrétariat d'Etat du Canada, 1990. xiii, 633 p. *Bilingue (Immigration glossary)*. ISBN 0-660-55667-7  
MICROLOG 90-04227 7 fiche

Ce lexique, qui comprend environ 6 000 entrées, constitue une édition revue et augmentée de la version publiée en 1987. L'ouvrage contient les termes et expressions juridiques, les appellations officielles et le vocabulaire courant utilisés par le ministère de l'Emploi et de l'immigration du Canada. Les paires de termes ont été relevées dans les

lois et règlements, les guides ministériels, les dossiers de l'Arbitrage et les fichiers du service de traduction ministériel et Termium. La nomenclature du lexique reflète les changements récents découlant de la promulgation en 1988 de nouvelles lois sur l'immigration.

CA EX

#### Lexique de la charpenterie

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1989. xv, 218 p. *Bilingue (Glossary of carpentry)*. ISBN 0-88838-833-0  
MICROLOG 90-01317 3 fiche

Lexique comprenant les termes anglais et français les plus souvent utilisés dans le domaine de la charpenterie.

AP PL PR SC

#### Lexique de mécanique automobile -- 2e éd.

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1990. x, 299 p. Bibliogr. *Bilingue (Glossary of automobile...)*. ISBN 0-88838-979-5  
MICROLOG 90-05706 4 fiche

Le Comité du projet de lexiques a été formé principalement pour étudier le problème que posent les diverses traductions d'un même terme technique pour les étudiants, les traducteurs, les enseignants et les préposés aux programmes d'études. Son objectif est d'uniformiser la terminologie utilisée dans les examens provinciaux et interprovinciaux, les descriptions de cours, les analyses de profession et le matériel pédagogique. Ce document présente un lexique comprenant les termes anglais-français, français-anglais du domaine de la mécanique automobile.

AP PR SC TR

#### Lexique de monteur de lignes

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1990. x, 94 p. Bibliogr. *Bilingue (Glossary of lineman)*.  
MICROLOG 90-04108 2 fiche

Lexique anglais-français, français-anglais, portant sur les monteurs de lignes. Il fournit la terminologie exacte de nombreux termes de ce domaine.

• AP CA EN PS SC

#### Lexique de peinture

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1990. x, 139 p. Bibliogr. *Bilingue (Glossary of painting)*. ISBN 1-55048-049-9  
MICROLOG 90-04558 2 fiche

Ce lexique a été formé principalement pour étudier le problème que posent les diverses traductions d'un même terme technique. Son objectif est d'uniformiser la terminologie utilisée dans les examens provinciaux et interprovinciaux, les descriptions de cours, les analyses de profession et le matériel. Il fournit un lexique anglais-français, français-anglais, des termes employés dans le domaine de la peinture.

AP PL PR

#### Lexique de tôlerie

Nouveau-Brunswick. Comité du projet de lexiques. Fredericton : le Comité, 1990. x, 105 p. Bibliogr. *Bilingue (Glossary of sheet metal...)*. ISBN 1-55048-038-3  
MICROLOG 90-04069 2 fiche

Ce document fournit les termes anglais-français et français-anglais du domaine de la tôlerie. Il a été créé principalement pour étudier le problème que posent les diverses traductions d'un même terme technique pour les étudiants, les traducteurs, les enseignants et les préposés aux programmes d'études.

• AP CA PS SC



**Lexique des affaires municipales de l'Ontario**

Ontario. Ministère des affaires municipales. Direction des services en français. Toronto : la Direction, 1989. 240 p. *Bilingue (Ontario municipal affairs...)*. ISBN 0-7729-6513-7 MICROLOG 90-05005 3 fiche

Les termes sélectionnés dans ce lexique reflètent la portée du vocabulaire des affaires municipales, selon les domaines généraux suivants: gouvernement provincial, administration municipale, urbanisme, finances, administration et terminologie juridique. Beaucoup d'ampleur a été consacré à la terminologie du logement, puisque les deux domaines s'entrecroisent. MU ON PA PR

**Lexique des hélicoptères**

par F. Mouzard. Ottawa : Bureau des traductions, Direction générale de la terminologie et des services linguistiques, 1989. xiii, 221 p. Bibliogr. (Bulletin de terminologie ; 186) *Bilingue (Glossary of helicopters)*. ISBN 0-660-54248-X MICROLOG 90-01565 3 fiche

Ce lexique compte quelque 2 750 entrées, parmi lesquelles figurent de nombreux syntagmes et des termes dont la traduction présente souvent des difficultés. Comme le domaine des hélicoptères a connu une expansion marquée, on a tenu compte des nouvelles notions qui réglementent les améliorations apportées aux appareils civils et militaires: optronique, visionique, matériaux composites et systèmes expérimentaux, par exemple. Sont également inclus certains termes d'opérations aériennes, d'exploitation des appareils et de mécanique aéronautique générale. CA SC TR

**Lexique du conditionnement d'air**

par F. Richard. Ottawa : Bureau des traductions, Direction générale de la terminologie et des services linguistiques, 1990. xi, 91 p. Bibliogr. (Bulletin de terminologie ; 193) *Bilingue (Air-conditioning glossary)*. ISBN 0-660-55547-6 MICROLOG 90-04465 2 fiche

Ce lexique vise à combler une réelle lacune, en formant sous un format commode et peu encombrant une nomenclature de quelque 800 entrées, anglaise-française, française-anglaise, abordant ainsi les principaux aspects du conditionnement de l'air sans en privilégier aucun. CA PL

**Libraries and literacy**

Toronto : Ministry of Culture and Communications, 1989. 177 p. Bibliogr. ISBN 0-7729-5326-0 MICROLOG 90-04043 2 fiche

This manual provides ideas, methods and philosophies to assist public libraries in determining how they might best provide support and assistance for literacy in their communities. CU ON PR SA

**Le Libre-échange Canada-Etats-Unis : vers la mise en oeuvre -- Rév.**

par A. Chapman. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 36 p. (Bulletin d'actualité ; 88-8F) *L'éd anglaise (Canada-U.S. free trade...)* sur la même fiche. ISBN 0-660-92803-5 MICROLOG 90-03025 1 fiche

Le 2 janvier 1988, le premier ministre Mulroney et le président Reagan ont signé l'Accord de libre-échange entre le Canada et les Etats-Unis, qui éliminerait pratiquement tous les droits de douane entre les deux pays d'ici

à dix ans. Bien que le gouvernement ait annoncé son intention de chercher à conclure un accord de libre-échange avec les Etats-Unis à peine deux ans avant d'atteindre cet objectif, l'idée est loin d'être nouvelle au Canada. Ce document fait le point sur la mise en oeuvre du libre-échange entre le Canada et les Etats-Unis. CA CO EX

**Libre-échange entre le Canada et les Etats-Unis : une bibliographie -- 5e éd.**

par D. Milne. Ottawa : Ministère des affaires extérieures et commerce extérieur, 1989. 147 p. *Bilingue (Canada-United States Free...)*. MICROLOG 90-03917 2 fiche

Cette bibliographie rassemble principalement des ouvrages qui se trouvent aux bibliothèques principales et juridiques des Affaires extérieures et Commerce extérieur Canada. Les cotes de classification dans la bibliographie réfèrent aux bibliothèques mentionnées ci-dessus. Elle comprend plusieurs nouvelles vedettes qui simplifient la lecture de la bibliographie en divisant le volume grandissant de la documentation portant sur le sujet. Elle comprend aussi les ouvrages qui traitent des aspects politiques, économiques ou commerciaux du libre-échange soit d'une façon générale ou soit en touchant plusieurs facettes du sujet. Ces catégories comprennent aussi les titres portant sur des aspects plus spécifiques pour lesquels des sections séparées n'existent pas. La plupart des ouvrages publiés avant 1984 se trouve dans la section 6. CA CO EX

**Licensing requirements of fish farms and control under the Water Rights Act**

by T. Ojanen and S. Salonen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 3 p. (Canadian translation of fisheries and aquatic sciences ; no. 5276) *Originally published in Finnish. ISSN 0704-3716* MICROLOG 90-02746 1 fiche

Description of water pollution control planning under water rights legislation in Finland as indicated by the need for a licence for fish farming.

• CA CF FI SC

**The Licensing and joint venture guide -- 6th ed.**

by H.J. Stitt and S.R. Baker. Toronto : Ministry of Industry, Trade and Technology, 1990. 97 p. Bibliogr. *French ed. (Guide pour les concessions...)* : 90-06423/2. ISBN 0-7729-3433-9 MICROLOG 90-06422 2 fiche

New technologies are changing the world economy. This document discusses why seeking technology from outside sources should be considered. It offers a practical approach to acquiring technology including goals, methods of search, sources of technology, evaluation of potential licensors, process of negotiation, organizational arrangements and tax factors. It also deals with actual implementation of technology transfers by outright purchase, licensing, and joint ventures. ON PR SC

**The Licensing of businesses by municipalities**

Toronto : Association of Municipalities of Ontario, 1987. 31 p. (AMO report : report series 1987 ; 87-12) MICROLOG 90-00855 1 fiche (Available on fiche only)

Examines the need for general licensing legislation. It also includes an analysis of and response to the discussion paper on municipal

licensing in Ontario, and presents the Association's own proposal for licensing legislation. CO MU ON PA

**Lichens de la région d'Ottawa -- 2e éd.**

par I.M. Brodo. Ottawa : Musée national des sciences naturelles, 1990. 115 p. : ill. Bibliogr. ISBN 0-660-90304-0 MICROLOG 90-04804 2 fiche

Cet ouvrage présente d'abord une discussion générale sur les lichens en tant qu'organismes et fournit des instructions concernant leur collection, leur préservation et leur étude. Ensuite apparaissent des clefs diagnostiques des genres des lichens crustacés basées sur des spécimens fertiles ou stériles. Puis, il y a une série de clefs pour identifier les espèces individuelles, ces clefs sont classées selon les genres. Les clefs des lichens foliacés et des lichens fruticuleux terminent cette section. Finalement, on trouve en annexe un glossaire de termes spéciaux, employés dans les clefs, ainsi qu'un répertoire des espèces mentionnées dans l'ouvrage. CA LS SC

**Licit and illicit drugs in Canada**

Ottawa : Health and Welfare Canada, 1989. vi, 32 p. : ill. *French ed. (Les Drogues licites...)* on the same fiche. ISBN 0-662-17136-5 MICROLOG 90-05214 1 fiche

This document draws together data from an array of sources to trace trends in drug use in Canada. The distinction in this report between illicit and licit drugs is predominantly historical and legal in nature rather than purely pharmacological. It focuses on the use and effects of selected 'licit' drugs, in particular, tranquilizers, sleeping pills, analgesics, and amphetamines. It also summarizes recent Canadian data on a range of 'illicit' drugs, including cocaine, marijuana, hallucinogens, heroin, and volatile substances. CA HE

**Lieu historique national de la Grosse-Ile : étude de marché**

présentée à la Section politiques et recherche, Service des parcs, Environnement Canada, Région du Québec. S.I. : L'Ecart-type inc., 1990. 2 v. : ill., cartes géogr. Bibliogr. Contient: Vol. 1 : L'Environnement -- vol. 2 : Annexe. CSI 21140.202. MICROLOG 90-06278 2 fiche

Cette étude de marché comporte deux phases bien distinctes soit une première phase portant sur l'environnement, la concurrence et la demande potentielle et une deuxième phase touchant plus particulièrement le marketing-mis, la fréquentation, le profil actuel du visiteur et le contexte de la venue à la Grosse-Ile. La première phase, qui fait l'objet de ce rapport de recherche, vise à cerner l'environnement dans lequel se situe le lieu historique national de la Grosse-Ile, à identifier et décrire, en termes d'offre de services et de fréquentation, les principaux concurrents de la Grosse-Ile. La deuxième phase permet de cerner la sensibilité aux différentes variables du marketing-mis et de tester des scénarios d'expérience de séjour après la première phase. CU EV PR QU SC ST

**Life agent reform : a model for qualification and licensing in Ontario**

Toronto : Ministry of Financial Institutions, 1989. 25, 28 p. *Bilingual (Réforme de la...)*. ISBN 0-7729-5824-6 MICROLOG 90-00864 1 fiche

This document contains a summary of proposals which aim to continue high Ontario standards, enhance flexibility, and guarantee efficiency. CO ON PR



## Life history and recruitment fluctuations of fish

by R.J.H. Beverton. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 11 p. (Canadian translation of fisheries and aquatic sciences ; no. 5490). Originally published in Japanese, by the Symposium on Fisheries and Oceans in Japan. ISSN 0704-3716  
MICROLOG 90-01686 1 fiche

Summary of a lecture on the way in which studies in stocks developed during the past 20 years in the northeast Atlantic and in the North Sea areas for plaice, sole, and haddock. Stock-recruitment volume correlations are also discussed.

• CA CF FI SC

## Lighting

Ottawa : Energy, Mines and Resources Canada, 1988. 76 p. : ill. (Energy management series for industry, commerce and institutions ; 2) ISBN 0-662-14154-7  
MICROLOG 90-05337 1 fiche

One of a series of manuals to help managers and operating personnel recognize energy management opportunities within their organizations. The manuals provide mathematical equations, general information on proven techniques and technology, and examples of how to save energy. This manual covers lighting, including a basic understanding of the concepts needed to work with common equations and calculations; a description of lighting equipment and materials used in the industrial, commercial and institutional sectors; and energy management opportunities, including energy, cost savings, and simple payback calculations. A glossary of terms and worksheets are also given.

• CA EN SC

## Lighting ergonomics

by I. Stones. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. ii, 15 p. : ill. Bibliogr. *French ed. (L'Eclairage ergonomique) : 90-03853/1.* ISBN 0-660-13261-3  
MICROLOG 90-03617 1 fiche

Part of a series on ergonomics prepared as a source of information for health and safety committees. The document covers source of light, basic types of artificial lighting, light and colour, and common lighting problems. A basic lighting survey covers illuminance, luminance, contrast and reflectance.

• CA LA PS SC

## Lignes de conduite régissant l'assurance-prêt hypothécaire LNH dans les collectivités à hauts risques

Ottawa : Société canadienne d'hypothèques et de logement, 1988. 21, 17 p. *Bilingue (National Housing Act...)*  
MICROLOG 90-00945 1 fiche

La Société canadienne d'hypothèques et de logement (SCHL) travaille à améliorer l'accès de l'emprunteur au financement hypothécaire assuré en vertu de la Loi nationale sur l'habitation (LNH) dans les collectivités où la situation économique indique qu'il y a possibilité d'un nombre élevé de défauts de paiement hypothécaire et de demandes de règlement auprès du Fonds d'assurance hypothécaire (FAH). En mai 1986, la Société canadienne d'hypothèques et de logement amorçait, au nom du gouvernement fédéral, un examen consultatif de l'assurance-prêt hypothécaire publique. Les participants à cet examen ont insisté particulièrement sur le maintien de l'assurance-prêt hypothécaire comme le moyen de réaliser l'objectif fédéral qui consiste à favoriser l'accès à la propriété et à faciliter la construction de logements locatifs dans tout le pays. Ce document fait la lumière sur la question de la

LNH dans les collectivités à hauts risques et en présente les conclusions.  
CA CO SA

## Lignes de conduite touchant la représentation des minorités visibles et ethniques, et celle des autochtones dans les communications gouvernementales

Ottawa : Conseil du trésor du Canada, Secrétariat, 1984. 9 p. *Présenté à la Réunion du Comité permanent des fonctionnaires sur les droits de la personne. Bilingue (Guidelines for the representative...)*.  
MICROLOG 90-02827 1 fiche

Ces lignes de conduite s'inspirent de la théorie et de la pratique du multiculturalisme dans un cadre bilingue. A cet égard, il convient que la contribution de tous les groupes, indépendamment de leurs origines, soit présentée. Les lignes de conduite énoncées dans ce document donne une image des diverses races et communautés ethniques. Elles touchent les points suivants: le champ d'application; les autorisations et les annulations; les rôles et fonctions; les définitions; les éléments visuels; la langue; le rapport annuel; le manuel de la politique administrative; et, les demandes de renseignements.

• CA NP PA SA

## Lignes directrices à l'intention des agents d'immigration concernant l'exercice des pouvoirs discrétionnaires préparées par suite de la décision rendue par le Juge Jérôme dans la cause de Ken Yung Yhap

Ottawa : Emploi et immigration Canada (Commission), 1989. 6, 6 p. *Bilingue (Guidelines for immigration...)*.  
MICROLOG 90-03638 1 fiche

Document présentant les lignes directrices à l'intention de la Loi sur l'immigration concernant l'exercice des pouvoirs discrétionnaires préparées par suite de la décision rendue par le juge Jérôme dans la cause de Ken Yung Yhap. On y traite de sujets tels: le pouvoir légal; l'exercice des pouvoirs discrétionnaires; la définition des motifs humanitaires; et, les raisons d'intérêt public.  
CA EX JU

## Lignes directrices applicables aux systèmes mobiles de destruction des biphényles polychlorés (BPC)

Ottawa : Conseil canadien des ministres de l'environnement, 1990. xvi, 79 p. : ill. Bibliogr. (Rapport ; CCME-TS/WM-TRE011F) *L'éd. anglaise (Guidelines for mobile polychlorinated...)* : 90-06123/1. ISBN 0-662-95958-2  
MICROLOG 90-06126 1 fiche

Ce rapport expose les recommandations du Conseil canadien des ministres de l'Environnement concernant l'évaluation, l'approbation et l'exploitation de systèmes mobiles de destruction des déchets contenant des biphényles polychlorés (BPC) au Canada. Ces recommandations portent sur des méthodes et des contrôles dont les organismes de réglementation et les promoteurs des diverses techniques devraient tenir compte pour l'approbation et l'exploitation d'installations mobiles de destruction thermique des déchets contenant des BPC. Le rapport est destiné à faciliter l'élaboration d'un système uniforme de programmes fédéraux et provinciaux de réglementation.  
CA EV SC

## Lignes directrices applicables aux systèmes mobiles de traitement des biphényles polychlorés (BPC)

Ottawa : Conseil canadien des ministres de l'environnement, 1990. xv, 67 p. : ill.

Bibliogr. (Rapport ; CCME-TS/WM-TRE012F) *L'éd. anglaise (Guidelines for mobile polychlorinated...)* : 90-06124/1. ISBN 0-662-95959-0  
MICROLOG 90-06125 1 fiche

Ce rapport expose les recommandations du conseil canadien des ministres de l'Environnement concernant l'évaluation, l'approbation et l'exploitation de systèmes mobiles de traitement des huiles minérales contaminées par les biphényles polychlorés (BPC) au Canada. Ces recommandations portent sur des méthodes et des contrôles dont les organismes de réglementation et les promoteurs des diverses techniques devraient tenir compte pour l'approbation et l'exploitation d'installations mobiles de traitement pour la déchloruration des BPC dans les liquides contaminés. Les recommandations contenues dans ce document servent de guide en vue de l'établissement d'une politique nationale cohérente en matière d'élimination des BPC.  
CA EV SC

## Lignes directrices pour l'inventaire de la biomasse forestière

par A.H. Aldred et I.S. Alemdag. Chalk River, Ont. : Service canadien des forêts, Institut forestier national de Petawawa, 1988. x, 115 p. : ill. Bibliogr. (Rapport d'information ; PI-X-77F) ISSN 0228-0736 ISBN 0-662-95226-X  
MICROLOG 90-02800 2 fiche

Ce manuel décrit des méthodes qui permettent d'inclure une évaluation de la biomasse forestière dans un inventaire des forêts. Ces méthodes englobent la prise de données sur place, l'analyse en laboratoire, l'élaboration d'équations pour la biomasse des arbres individuels et l'application des équations à de nouveaux inventaires en cours ou envisagés.  
• CA FO SC

## Lignes directrices pour la prestation de services complets aux personnes âgées atteintes de troubles mentaux

Ottawa : Ministère de la santé nationale et du bien-être social, Direction générale des services et de la promotion de la santé, Division de la santé mentale, 1989. 39 p. *L'éd. anglaise (Guidelines for comprehensive services...)* sur la même fiche. ISBN 0-662-94783-5  
MICROLOG 90-01763 1 fiche

Ce document s'inspire des connaissances théoriques et pratiques des spécialistes d'un grand nombre de domaines et de régions et offre un aperçu de la diversité des besoins manifestés par le malade mental âgé et du réseau de services susceptibles d'y répondre. De plus, il expose les éléments d'un service complet, définit les différents types de services et analyse les principes sur lesquels doivent reposer les soins psychogériatriques de qualité.  
BS CA HE SA

## Lignes directrices relatives à la protection des enfants victimes de mauvais traitements et de négligence, partie 1 : santé et services communautaires

Fredericton : la Province, 1989. 32 p. *Bilingue (Guidelines for protecting...part 1...)*.  
MICROLOG 90-05030 1 fiche

En mars 1985, les ministres de la Santé, de l'Éducation, de la Justice et des Services sociaux signaient une entente qui engageait leurs Ministères respectifs à travailler en collaboration pour régler le problème des enfants victimes de mauvais traitements et de négligence. Afin de concrétiser cet engagement de collaboration, des lignes directrices ont été élaborées conjointement par les représentants de ces Ministères. Elles servent à guider les organisations et les professionnels à qui incombent la responsabilité de s'occuper de ces enfants et l'obligation de les protéger contre les



mauvais traitements et la négligence.  
AP JU PR SA

**Lignes directrices relatives à la protection des enfants victimes de mauvais traitements et de négligence, partie 2 : médecins**

Fredericton : la Province, 1989. 23 p. *Bilingue*  
(*Guidelines for protecting...part 2...*).  
MICROLOG 90-05031 1 fiche

En mars 1985, les ministres de la Santé, de l'Éducation, de la Justice et des Services sociaux signaient une entente qui engageait leurs Ministères respectifs à travailler en collaboration pour régler le problème des enfants victimes de mauvais traitements et de négligence. Ce document se penche sur la Loi traitant de l'enfance maltraitée ou négligée au Nouveau-Brunswick; la définition d'enfants maltraités, la façon de reconnaître un enfant maltraité; les lignes directrices pour la gestion des cas d'enfants maltraités; et, les lignes directrices à l'intention des médecins.  
AP JU PR SA

**Lignes directrices relatives à la protection des enfants victimes de mauvais traitements et de négligence, partie 3 : familles d'accueil, foyers de groupes et autres installations de placement des enfants**

Fredericton : la Province, 1989. 20 p. *Bilingue*  
(*Guidelines for protecting...part 3...*).  
MICROLOG 90-05032 1 fiche

Les lignes directrices ont été principalement élaborées à l'intention des employés des ministères de l'Éducation, de la Justice, du Solliciteur Général, de l'Aide au revenu et de la Santé et des Services communautaires. Elles portent principalement sur les points suivants: la Loi traitant de l'enfance maltraitée ou négligée au Nouveau-Brunswick; la définition et les symptômes d'un enfant maltraité; les lignes directrices pour la gestion des cas d'enfants maltraités; et, les lignes directrices à l'intention des familles d'accueil, des foyers de groupe et des autres installations de placement pour enfants.  
AP JU PR SA

**Lignes directrices relatives à la protection des enfants victimes de mauvais traitements et de négligence, partie 4 : installations pour le développement des enfants en bas âge**

Fredericton : la Province, 1990. 21 p. *Bilingue*  
(*Guidelines for protecting...part 4...*).  
MICROLOG 90-05033 1 fiche

Ces lignes directrices guident les organisations et les professionnels à qui incombent la responsabilité de s'occuper de ces enfants et l'obligation de les protéger contre les mauvais traitements et la négligence. Elles portent principalement sur: les lignes directrices pour la gestion des cas d'enfants maltraités; les lignes directrices à l'intention des installations pour le développement des enfants en bas âge; la formule de signalement des enfants victimes de mauvais traitements ou de négligence; le répertoire des ressources communautaires et des organismes locaux; et, un manuel sur les enfants victimes de mauvais traitements ou de négligence.  
AP JU PR SA

**Lignes directrices relatives à la protection des enfants victimes de mauvais traitements et de négligence, partie 5 : justice**

Fredericton : la Province, 1990. 44 p. *Bilingue*  
(*Guidelines for protecting...part 5...*).  
MICROLOG 90-05034 1 fiche

Ces lignes directrices ont été principalement élaborées à l'intention des employés des

ministères de l'Éducation, de la Justice, du Solliciteur Général, de l'Aide au revenu et de la Santé et des Services communautaires. Elles visent aussi certains intervenants extérieurs à l'administration publique en raison du rôle important qu'ils jouent auprès des enfants victimes de mauvais traitements et de négligence, et des services qu'ils dispensent à ces derniers.  
AP JU PR SA

**Lignes directrices relatives à la protection des enfants victimes de mauvais traitements et de négligence, partie 6 : éducation**

Fredericton : la Province, 1990. 13 p. *L'éd. anglaise* (*Guidelines for protecting...part 6...*)  
sur la même fiche  
MICROLOG 90-05035 1 fiche

Ces lignes directrices portent principalement sur: la gestion des cas d'enfants maltraités, la formule de signalement des enfants victimes de mauvais traitements ou de négligence, le répertoire des ressources communautaires et des organismes locaux; et, le manuel sur les enfants victimes de mauvais traitements ou de négligence.  
AP JU PR SA

**Lignes directrices relatives à la protection des enfants victimes de mauvais traitements et de négligence, partie 7 : aide au revenu**

Fredericton : la Province, 1990. 22 p. *Bilingue*  
(*Guidelines for protecting...part 7...*).  
MICROLOG 90-05036 1 fiche

Lignes directrices portant principalement sur: la gestion des cas d'enfants maltraités; la formule de signalement des enfants victimes de mauvais traitements ou de négligence; le répertoire des ressources communautaires et des organismes locaux; et, le manuel sur les enfants victimes de mauvais traitements ou de négligence.  
AP JU PR SA

**Lignes directrices relatives à la protection des enfants victimes de mauvais traitements et de négligence, partie 8 : section sur les ressources**

Fredericton : la Province, 1990. 75 p. *Bibliogr.*  
*Bilingue* (*Guidelines for protecting...part 8...*)  
MICROLOG 90-05037 1 fiche

Lignes directrices portant principalement sur les points suivants: les entrevues avec des enfants; les témoignages devant les tribunaux; les indices de mauvais traitements et de négligence; la prévention des mauvais traitements ou de la négligence dont sont victimes les enfants; l'équipe multidisciplinaire et les mauvais traitements infligés aux enfants, le traitement des enfants maltraités ou négligés, la Loi sur les services à la famille; les dispositions du code criminel du Canada concernant les cas d'enfants maltraités ou négligés; et, les institutions sociales et les mauvais traitements ou la négligence dont sont victimes les enfants.  
AP JU PR SA

**Lignes directrices relatives à une étude d'impact sur l'environnement d'une ligne de transport d'électricité de 345 kV de Salisbury à Bathurst/Belledune**

présenté à la Commission d'énergie électrique du Nouveau-Brunswick. Fredericton : Environnement Nouveau-Brunswick, 1990. 9, 9 p. *Bilingue* (*Guidelines for...from Salisbury...*)  
MICROLOG 90-03189 1 fiche

Ce document a pour but de fournir des lignes directrices en ce qui a trait au fond, à la portée et à la conduite d'une étude d'impact sur l'environnement (EIE) d'un projet d'Énergie N.-B. de construire et d'exploiter une ligne de

transport d'électricité de 345kV de Salisbury à Bathurst/Belledune. Il porte principalement sur la description du projet et de l'environnement actuel; les composantes environnementales ayant une valeur reconnue, et, les références.  
AP EN EV PR SC

**Lignes directrices relatives à une étude d'impact sur l'environnement de la ligne de transport d'électricité de 345 kV de la deuxième interconnexion de la Nouvelle-Angleterre**

présenté à la Commission d'énergie électrique du Nouveau-Brunswick. Fredericton : Environnement Nouveau-Brunswick, 1990. 10, 10 p. *Bilingue* (*Guidelines for the second...*)  
MICROLOG 90-03188 1 fiche

Ce document a pour but de fournir des lignes directrices en ce qui a trait au fond, à la portée et à la conduite d'une étude d'impact sur l'environnement (EIE) d'un projet d'Énergie N.-B. de construire et d'exploiter une ligne de transport d'électricité de 345kV à partir de la Centrale de Point Lepreau jusqu'à la frontière entre le Nouveau-Brunswick et l'État du Maine. Il se penche sur la conduite de l'EIE et la préparation du rapport, la description du projet et de l'environnement actuel, les composantes environnementales ayant une valeur reconnue; et, les références  
AP EN EV PR SC

**Lignes directrices sur le développement des systèmes**

Canada : Environnement Canada. Sous-comité du CCMQI sur les lignes directrices sur le développement des systèmes. Ottawa : Environnement Canada, 1990. 38 p. *L'éd. anglaise* (*System development...*) sur la même fiche  
MICROLOG 90-06740 1 fiche

Les lignes directrices ministérielles sur le développement des systèmes permettent d'orienter le personnel d'Environnement Canada chargé de développer des systèmes informatiques. On y examine: la gestion de projet; l'étude de faisabilité (analyse de rentabilisation); le développement des applications, les outils et les techniques de développement des applications; la liste de contrôle du développement des systèmes, et, la liste des sigles.  
CA EV PS SC TE

**Lignes directrices visant la conception d'installations terminales de transport concernant les besoins des voyageurs aveugles ou malvoyants**

Institut national canadien pour les aveugles. Toronto : l'Institut ; Montréal : Transports Canada, Groupe des politiques et de la coordination, Centre de développement des transports, 1989. xi, 56 p. : ill. *Bibliogr.*  
*L'éd. anglaise* (*Design guidelines for meeting...*) : 90-07185/1.  
MICROLOG 90-07186 1 fiche

Ce document présente des lignes directrices et des recommandations pour l'adaptation des installations terminales de transport aux besoins des aveugles et des autres handicapés visuels. Il décrit quelques méthodes utilisées par cette catégorie de voyageurs pour s'orienter et se déplacer et démontre les problèmes d'aménagement intérieur et extérieur auxquels sont confrontées les personnes souffrant d'un handicap visuel. Les mécanismes d'orientation et la mobilité des handicapés visuels sont définis dans le contexte des déplacements qu'ils doivent faire. Le document aborde également l'utilisation des aides à la mobilité et les indices sensoriels requis par les handicapés visuels pour leur permettre de se déplacer en toute sécurité et avec dignité dans les lieux publics.  
CA SA SC TR



**Lindsay District fisheries management plan, 1989-2000**

Toronto : Ministry of Natural Resources, 1989. vi, 87 p. : fold. map. ISBN 0-7729-5065-2 MICROLOG 90-02053 2 fiche

This fisheries management plan identifies how the fisheries resources will be managed to 2000 and identifies specific short-term (5 year) management actions which are required to meet specific fisheries objectives in the Lindsay district. This report covers the purpose and process; the current and projected use of the resources for sport, commercial food and baitfish, tourist operators, subsistence harvest, and non-consumptive users; present management practices; issues and problems in the sport fishery, the commercial fishery for food, bait, and aquaculture, and provincially rare and endangered species; both general and specific management directions for these various types of uses, and implementation. FI ON PR SC

**Lingcod *Ophiodon elongatus***

by A.J. Cass, R.J. Beamish and G.A. McFarlane. Ottawa : Dept. of Fisheries and Oceans, 1990. iv, 40 p. : ill., maps. Bibliogr. (Canadian special publication of fisheries and aquatic sciences : 109) ISSN 0706-6481 ISBN 0-660-13429-2 MICROLOG 90-03548 1 fiche

Review of the biology and fishery of lingcod, including distribution, reproduction, early life history, diet, age, growth rate and survival rate, the basis for management strategies; and present assessments of the condition of major stocks in Canadian waters. • CA CF FI LS SC

**Linking pension benefits, pension finance, and pension investments together : report no. 2**

by K.P. Ambachtsheer. Toronto : Ontario Public Sector Pensions Consultations, 1988. 45 p. Bibliogr. MICROLOG 90-02981 1 fiche

The purpose of this paper is to facilitate the Ontario public sector pensions consultations currently under way. It examines the linkages between costing, funding, and investment policies in fully indexed, average final pay-based defined benefit pension plans. CO ON PR

**Liquor Control Board of Ontario : Annual report 1987-88**

Toronto : The Board, 1988. 28, 28 p. : ill. Bilingual. CSI 56106.001. MICROLOG 90-02957 1 fiche

This annual report highlights some of the initiatives taken by the Board. It includes divisional reports from the retail, distribution, merchandising, human resources, finance and administration, and information services. There is a financial overview with an analysis of income and expenditures, a retail price breakdown, and a review of sales and revenue payments. Financial statements are included. CO ON PA PR ST

**List of journals on physical metallurgy not indexed by metals abstracts**

by C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1977. 3 p. (Report : TID 77-28) MICROLOG 90-04510 1 fiche

List of journals held by the CANMET library related to physical metallurgy and not indexed by Metals Abstracts, according to the list of journals in the 1976 index. • CA CM NR PS SC

**List of scholarships and grants in aid of research, 1988-89 : appendix to the report of the president**

Ottawa : Natural Sciences and Engineering Research Council of Canada, 1989. xxi, 730 p. Bilingual (Liste des bourses...). MICROLOG 90-00197 8 fiche

The objective of the program of scholarships and grants in aid of research is to promote and support both research and the provision of highly qualified personnel in the natural sciences and engineering. The program is divided into grants awarded to individuals and groups of researchers for research expenses in support of a spectrum of research activities; operating grants which assist in the promotion and maintenance of a diversified base of high quality research in the natural sciences and engineering in Canadian universities, and targeted research, including collaborative research initiatives, equipment grants, general research grants, and other general support. There is also a program of grants and scholarships administered on behalf of other departments, agencies and organizations, such as CIDA, NATO, Canadian Shield Foundation research awards, and visiting fellowships. This document lists the recipients of these grants alphabetically within categories, gives the title of the project, the type of project, and the amount of the grant. CA ED

**List of school boards in Ontario**

Toronto : Ministry of Education, Policy Analysis and Research Branch, 1989. 45 p. Bilingual (Liste des conseils...). CSI 55108.007. MICROLOG 90-06181 1 fiche

This document lists Boards of Education; County and District Combined Roman Catholic Separate School Boards; Secondary School Boards; District School Area Boards; Roman Catholic Separate School Boards, Protestant Separate School Boards, Department of National Defence; Hospitals and Treatment Centres; and French Language School Boards. ED ON PR

**List of school boards, 1988**

Toronto : Ministry of Education, Policy Analysis and Research Branch, 1988. 33 p. MICROLOG 90-01838 1 fiche

This document lists the school boards for county and district Roman Catholic separate schools, secondary schools, district schools; separate schools, and school boards on crown lands. ED ON PR

**List of ships, 1990**

Ottawa : Dept. of Transport, 1990. 2 v. Bilingual (Nomenclature des navires, 1990). Contents: vol. 1 : Ships on register in Canada other than fishing vessels -- vol. 2 : Fishing vessels on register in Canada. CSI 21123.010. ISBN 0-660-55776-2 MICROLOG 90-06606 7 fiche

This list contains particulars of ships on register in Canada as of January 1, 1990, divided into all ships other than fishing vessels, and fishing vessels. Tonnage figures are shown to the nearest ton, and lengths are shown to the nearest foot. Ships are listed alphabetically by registered name and information is given on official number, type of ship, construction material, port of registry, date of building, where built, registered length, gross and registered tonnage and owner or managing owner and address. CA SC TR

**Liste des bourses et subventions de recherche, 1988-89 : appendice au rapport du président**

Ottawa : Conseil de recherches en sciences naturelles et en génie Canada, 1989. xxi,

730 p. Bilingual (List of scholarships...). MICROLOG 90-00197 8 fiche

Cette publication contient la liste de toutes les subventions et bourses accordées par le CRSNG en 1988-89, ainsi que celle des bourses que le Conseil administre au nom d'autres organismes. On y présente la description du programme; les subventions et bourses pour l'année 1988-89; les programmes de base; les bourses et programmes internationaux; la recherche orientée; et les programmes de subventions et bourses administrés par le CRSNG pour le compte d'autres organismes et ministères. CA ED

**Liste des conseils scolaires en Ontario**

Toronto : Ministère de l'éducation, Direction de l'analyse des politiques et de la recherche, 1989. 45 p. Bilingual (List of school boards...). CSI 55108.007. MICROLOG 90-06181 1 fiche

Donne la liste des organismes suivants: les conseils scolaires; les conseils des écoles séparées catholiques de comté et de district; le conseil d'école secondaire; les conseils scolaires de district (écoles publiques); les conseils des écoles séparées catholiques; les conseils des écoles séparées protestantes; le ministère de la défense nationale; les hôpitaux et centres de traitement; et, les conseils d'écoles françaises. ED ON PR

**Liste des substances d'intérêt prioritaire, rapport d'évaluation no. 1 : dibenzodioxines polychlorées et dibenzofurannes polychlorés**

Ottawa : Environnement Canada ; Santé et bien-être social Canada, 1990. ix, 63 p. Bibliogr. L'éd. anglaise (Priority substances list...) : 90-04998/1. En tête du titre: Loi canadienne sur la protection de l'environnement. ISBN 0-662-96003-3 MICROLOG 90-04997 1 fiche

Les dibenzodioxines polychlorées (dioxines) et les dibenzofurannes polychlorés (furannes) sont des composés très persistants ayant une forte affinité pour les sédiments ainsi qu'un potentiel élevé d'accumulation dans les tissus organiques. On les trouve dans toutes les composantes des écosystèmes, y compris l'air, l'eau, le sol, les sédiments, les animaux et les aliments. Au Canada, tous les humains et tous les animaux sont exposés à ces substances. Ce document se penche sur la question. • CA EV SC

**Liste intérieure provisoire des substances**

Ottawa : Environnement Canada, 1990. 2 v. Bilingual (Provisional domestic substances...). Content: Vol. 1 : Index des numéros de registre -- vol. 2 : Index des noms des substances. En tête du titre: Loi canadienne sur la protection de l'environnement. ISBN 0-662-57463-X MICROLOG 90-06843 10 fiche

Ce document présente les volumes I et II d'une liste intérieure provisoire des substances en vertu de la Loi canadienne sur la protection de l'environnement. Présentés en anglais et en français, les sujets sur lesquels porte ce document sont: l'établissement de la liste intérieure provisoire des substances; l'utilisation de la liste intérieure provisoire des substances; les autres formats disponibles pour la liste intérieure provisoire des substances; des données sur l'information et l'assistance; l'index des numéros de registre; et, l'index des noms des substances. • CA EV SC



**Listes des producteurs de pommes de terre de semence certifiée au Nouveau-Brunswick, 1989**

Alexander Perley, rédacteur-réviseur.  
Fredericton : Ministère de l'agriculture, Direction de l'industrie végétale, 1989. xii, 36 p.  
Supplément (3 p.) inclus. L'éd. anglaise (*New Brunswick seed...*) : 90-01154/1. ISSN 0845-180X  
MICROLOG 90-01160 1 fiche

Ce document fournit une liste des producteurs de pommes de terre de semence certifiées au Nouveau-Brunswick. On y donne le nom, l'adresse, la classe, le numéro d'enregistrement et le nombre d'hectares de la terre.  
AG AP PR SC

**Literacy and the Right to Know : a workshop**

Literacy and the Right to Know (1989 : Hamilton, Ont.). Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. 24 p. ISBN 0-660-13252-4  
MICROLOG 90-03618 1 fiche

Current strategies in occupational health and safety depend more and more on the right to know, predicated on the ability to read and understand information. This report presents the results of a workshop on the dimensions of the problem of literacy in workplaces, the impact of right-to-know legislation, the role of training and evaluation in the right to know, and various alternatives to compensate for a lack of language skills.  
● CA ED JU LA SA

**Literacy in corrections : what's happening?**

Winnipeg : Literacy Office, 1990. 7 p.  
MICROLOG 90-07365 1 fiche

In the past several years almost all provincial and federal correctional institutions have established literacy programming. This document presents information on current programming, initiatives the literacy office has sponsored, and issues for literacy practitioners. It includes recommendations.  
AL JU PR SA

**Literature review of the studies on uptake, retention and distribution of radionuclides by the foetus**

by E.S. Lamothe. Ottawa : Atomic Energy Control Board, 1989. 23 p. Bibliogr. (Research report ; INFO-0332)  
MICROLOG 90-04392 1 fiche

Summary of the available literature from the last 10 years dealing with studies on uptake, retention and distribution of radionuclides by an embryo or foetus following maternal intakes. The review concentrates on isotopes commonly used by Canadian licensees. Very little human data is available and a large fraction of the quoted values for human foetal dose retention are obtained from extrapolation from animal experiments.  
CA HE LS SC

**La Littérature canadienne de langue anglaise**

par B. Nesbitt. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 44, 41 p. Bibliogr. (Guides pédagogiques des études canadiennes) *Bilingue (Canadian literature...)*. ISBN 0-662-56134-1  
MICROLOG 90-01564 2 fiche

Ce guide porte sur la littérature canadienne de langue anglaise et fait partie d'une collection de sept ouvrages. Il comporte une introduction et des listes des ouvrages essentiels et des lectures complémentaires organisées selon les genres littéraires ainsi que des listes des ouvrages de référence, instruments de recherche, revues, microformes, documents

audiovisuels et sources informatisées.  
CA CU

**Littérature sur les gisements filoniens canadiens (hors Québec) et étrangers**

par S. Dufresne. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires de recherche minière, 1989. xix, 131 p. : ill. Bibliogr. (Rapport ; MRL 89-69(TR))  
MICROLOG 90-03954 2 fiche

Ce rapport est composé de 2 parties orientées vers l'accroissement de la productivité des opérations du type 'gisements filoniens étroits'. C'est une synthèse des technologies disponibles dans ce type d'opération, distribuées suivant chacune des étapes de la séquence du cycle d'extraction. La deuxième partie présente les champs d'activité, vers lesquels une attention particulière devrait être portée en planifiant la recherche future. Il examine particulièrement les mines canadiennes et étrangères ainsi que les techniques de minage particulières.  
● CA CM NR SC

**Little Grand Lake wood harvesting operation : environmental impact statement -- 1st draft.**

Northland Associates Ltd. ; prepared for Newfoundland Dept. of the Environment. Corner Brook, Nfld. : Corner Brook Pulp and Paper Ltd., 1989. ix, 113 p. : ill., maps. *Fold. maps not filmed*  
MICROLOG 90-02606 2 fiche

Corner Brook Pulp and Paper Ltd. proposes to carry out long term timber harvesting and forest management on its timber limits in the Grand Lake-Little Lake area as part of an integrated wood procurement program for its newsprint mill at Corner Brook. Because there are no alternative sources of wood on the island or in Labrador, the acquisition of wood from all of the company's limits (including the Grand Lake-Little Grand Lake limits) on the island is essential if the Corner Brook operation is to continue. This environmental impact statement assesses the impact of the undertaking on pine marten, historic resources and steep terrain, identified as valued ecosystem components. Other environmental elements, which were not deemed to be valued ecosystem components, were evaluated from existing information and from interviews with knowledgeable individuals. The statement also includes a discussion of the public information program and mitigative measures.  
AP EV FO PR SC

**Little Grand Lake wood harvesting operation : environmental impact statement -- 2d draft.**

Northland Associates Ltd. ; prepared for Newfoundland Dept. of the Environment. Corner Brook, Nfld. : Corner Brook Pulp and Paper Ltd., 1990. xi, 128 p. : ill., maps. *Fold. maps not filmed*  
MICROLOG 90-02605 2 fiche

Corner Brook Pulp and Paper Ltd. proposes to carry out long term timber harvesting and forest management on its timber limits in the Grand Lake-Little Lake area as part of an integrated wood procurement program for its newsprint mill at Corner Brook. Because there are no alternative sources of wood on the island or in Labrador, the acquisition of wood from all of the company's limits (including the Grand Lake-Little Lake limits) on the island is essential if the Corner Brook operation is to continue. This environmental impact statement assesses the impact of the undertaking on pine marten, historic resources and steep terrain, identified as valued ecosystem components. Other environmental elements, not deemed to be valued ecosystem components, were evaluated from existing information and from interviews with knowledgeable individuals. The

statement also includes a discussion of the public information program and mitigative measures.  
AP EV FO PR SC

**Livestock Feed Board of Canada : Annual report 1987-88**

Montreal : The Board, 1989. 36, 36 p. : ill. *Bilingual. CSI 22243.001*.  
MICROLOG 90-00918 1 fiche

Annual report of the Board, covering objectives and responsibilities, a summary of the crop year, and the year's activities in feed grain requirements, market prices, feed freight assistance, storage, transportation, research, and market monitoring. A financial statement is included.  
AG CA CO SC ST

**Livestock Feed Board of Canada : Annual report 1988-89**

Ottawa : The Board, 1989. 36, 36 p. : ill. *Bilingual. CSI 22243.001*.  
MICROLOG 90-07244 1 fiche

Annual report of the Board which ensures the availability of feed grain, adequate storage space, the reasonable stability and fair equalization of feed grain prices, and administers the Feed Freight Equalization Program. This report reviews the crop year, board activities and expenditures, grain consuming animal units, total grain production in Canada, freight assisted shipments, and feed grain rail transportation rates.  
AG CA CO SC ST

**Livestock market review, 1989**

Ottawa : Agriculture Canada, Agriculture Development Branch, Livestock Development Division, Red Meats Section, Market Information Service, 1990. 48 p. *Bilingual (Revue du marché des...)*. CSI 21100.017.  
MICROLOG 90-05411 1 fiche

General review with more specific reviews of beef, sheep and lamb, and pork. It consists largely of tables dealing with tariffs, livestock population, imports and exports, average prices, numbers slaughtered, and sales.  
AG CA CO SC ST

**Living in the community : new directions in residential services for frail elderly people : a consultation paper**

Toronto : Ministry of Community and Social Services, Elderly Services Branch, 1989. 69 p. Bibliogr. *French ed. (Vivre en collectivité...)* : 90-01700/1. ISBN 0-7729-5456-9  
MICROLOG 90-01422 1 fiche

The purpose of this paper is to develop a policy direction to support the efforts of social service agencies to bridge the gap between the existing community support services for seniors who require some support in their own homes and the institutional care system for people who have complex care needs.  
CI ON PR SA

**Livingstone-Porcupine Hills Sub-regional Integrated Resource Plan : Annual report 1987-89**

Alberta. Regional Resource Management Committee. Edmonton : The Committee, 1989. iv, 30 p. CSI 34126.002.  
MICROLOG 90-04722 1 fiche

Overview of the resource management and development activities occurring under the Livingstone-Porcupine Hills Sub-regional Integrated Resource Plan for 1987-89 of the Forest Service, the Fish and Wildlife Division and Alberta Energy. Ongoing administrative and operational activities are also given for each participant. Areas covered include the following: access management; ecological



reserves; fisheries (stream and lake inventories, and fisheries surveys); range (management, improvement, and agricultural sale); recreation; timber (protection, reforestation and harvesting); watershed, and wildlife (elk, mountain goats, moose, and bighorn sheep).  
AL NR PR SC

### Livraisons de grains aux points de collecte des Prairies, 1988-89

Ottawa : Commission canadienne des grains, Division de l'économie et de la statistique, 1989. ii, 72 p. *Bilingue (Grain deliveries...)*.  
CSI 22192.010.  
MICROLOG 90-03041 1 fiche

Les tableaux que renferme ce livret indiquent, d'abord par province, ensuite par parcours ferroviaires à l'intérieur des zones d'expédition, le total des arrivages de grains principaux, soit le blé, l'avoine, l'orge, le seigle, le lin et le canola pour la campagne agricole 1988-89, aux silos primaires agréés qui sont situés aux points de collecte des Prairies. Ces tableaux comportent également la moyenne des livraisons annuelles à chaque point de collecte pendant la décennie de 1978-79 à 1987-88.  
AG CA CO ST

### Livres blancs et livres verts au Québec, 1964-84 -- 3e éd.

par G. Deschênes et M. Albert. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1986. 52 p. Bibliogr. (Bibliographie et documentation ; 8) ISBN 2-551-06592-5  
MICROLOG 90-02059 1 fiche

Ce document aborde les sujets suivants: la tradition britannique; l'expérience canadienne; les livres blancs et livres verts québécois; le bilan de l'expérience québécoise; et, les imitations et dérivés.  
PA PR QU

### Lixiviation in-situ de l'or

par G. Deschênes. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoire des sciences minérales, 1989. i, 20 p. : ill. (Rapport ; LSM 89-40(CR))  
MICROLOG 90-03367 1 fiche

La lixiviation de l'or est le sujet traité dans ce document. Des travaux australiens ont permis de faire progresser ce concept. Quelques commentaires sur le projet australien sont présentés dans ce rapport. De plus, on examine brièvement la partie de la revue relative à la lixiviation in-situ de l'or faite par Chamberlain.  
● CA CM EN NR PS SC

### Load forecasts report no. 891211 : system demands, 1990

Toronto : Ontario Hydro, Load Forecasts Dept., Economics and Forecasts Division, Corporate Planning Branch, 1990. ii, 113 p. : ill.  
CSI 56125.005.  
MICROLOG 90-06170 2 fiche

Two load forecasts are normally issued each year, a 25-year long-term forecast produced in the fall for system planning purposes, and a short-term forecast produced in the early summer for revenue planning, rate development and budget purposes. This report contains both the short-term and long-term forecasts approved in December 1989. The short-term primary forecast section includes a comparison of the primary load forecast with last year's forecast and this basic load forecast, a discussion of the net impact of program driven demand management and load displacement generation, and a summary of the regional estimates. The long-term forecast includes econometric and end-use models to forecast the load from 1995-2015, as well as using statistical confidence interval or alternative load growth scenarios generated by the econometric model derived from alternative macroeconomic

scenarios.  
EN ON PR SC ST

### Load testing and evaluation of the Glen Allan Bridge

by R.J. Taylor. Toronto : Ministry of Transportation, Research and Development Branch, 1989. ii, 68 p. : ill. Bibliogr.  
MICROLOG 90-01346 1 fiche

The Glen Allan Bridge is a single-lane structure over the Conestoga River on Wellington County Road 45 at Glen Allan in Peel Township. The bridge was evaluated in 1985, resulting in recommendations for considerable rehabilitation to prevent severe posting restrictions. In 1986 the bridge was load tested and the results of that testing are given in this report.  
ON PR PS SC TR

### Loading effects of fish farming with net cages on coastal waters : can it be reduced?

by T. Makinen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 11 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5268) Originally published in Swedish. ISSN 0704-3716  
MICROLOG 90-02738 1 fiche

Fish farming is one of the basic industries which, in recent years, has developed very rapidly in Finland in both the sea and inland waters. Discussions about the environmental impact of fish farming appear confused between water pollution and an increase in fish haul. This paper describes the loading effects of the waste products from the metabolism of the fish as well as waste feed upon the environment and calculates their amount. Suggestions for decreasing the loading are also given.  
● CA CF FI SC

### Local government and the housing needs of older urban Canadians : the Vancouver, B.C. case

by C.L. Donegani. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1987. 18 p. Bibliogr. (Canadian planning issues ; no. 23) ISSN 0828-2390  
MICROLOG 90-05491 1 fiche (Available on fiche only)

This paper examines the nature and extent of the unfulfilled housing needs of elderly homeowners in Vancouver, B.C. It also discusses a normative planning role for local government to facilitate the development of appropriate alternative housing.  
BC CI PR SA

### A Local seismic survey at Creighton Mine

by M. Plouffe. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. iv, 37 p. : ill. Bibliogr. (Report ; MRL 90-076(TR))  
MICROLOG 90-07128 1 fiche

The monitoring and analysis of mining-induced seismic activity in Northern Ontario became a mandate of CANMET in 1984 when the Canada/Ontario/Industry Rockburst Project was inaugurated. To implement these objectives, CANMET supports the operation of 5 regional seismographic stations and 5 macroseismic systems in Ontario mines that are experiencing rockbursts, as well as a state-of-the-art portable seismograph to carry out local seismic activity surveys in the epicentral distance range not covered by these two types of networks. The Creighton mine of Inco was chosen as a test site since it has been subjected to the largest mine-induced seismic events ever recorded among the Sudbury mines and other mines in Northern Ontario. The survey was conducted between October 5 and December 13, 1989 and wave analysis was performed on

the data collected.  
● CA CM NR ON PS SC

### Locational equilibrium of two facilities on a tree

by H.A. Eiselt and G. Laporte. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 19 p. : ill. Bibliogr. (Publication ; no. 696)  
MICROLOG 90-06641 1 fiche

This paper considers the location of two facilities on a tree. In particular, conditions for the existence of an equilibrium are derived and an efficient computational procedure is described for finding such an equilibrium, if one exists. Conditions for the so-called 'first-entry paradox' are examined in which the first entrant to a market may not always have an advantage over his opponent, as commonly thought. Relationships between the occurrence of this problem and the existence of a Nash equilibrium are demonstrated.  
PR PS QU SC TR

### Logement et voisinages, un secteur riverain habitable : rapport sur le logement et les voisinages du secteur riverain

Commission royale sur l'avenir du secteur riverain de Toronto (Canada). Groupe de travail sur le logement et les voisinages. Toronto : la Commission, 1989. 297 p. : ill., cartes géogr. (Publication ; no 2) L'éd. anglaise (*Housing and neighbourhoods...*) : 90-05434/3.  
MICROLOG 90-05809 4 fiche

Un secteur riverain habitable s'inscrit dans la série de rapports rédigés par des Groupes de travail pour la Commission royale sur l'avenir du secteur riverain de Toronto. Ce rapport porte sur le logement et les voisinages situés dans le secteur riverain de Metro Toronto, ou à proximité de celui-ci, à partir du ruisseau Etobicoke dans l'ouest jusqu'à l'embouchure de la rivière Rouge, à l'extrémité est. La rive se trouve à l'intérieur des limites de la municipalité régionale de Metro Toronto à l'échelon régional et des villes de Scarborough, Toronto et Etobicoke.  
CA MU ON PL SA SC

### Logement pour les Canadiens âgés : nouveaux mécanismes financiers et modes d'occupation

Ottawa : Société canadienne d'hypothèques et de logement, 1988. vi, 23, v, 21 p. *Bilingue (Housing for older Canadians...)*.  
MICROLOG 90-01854 1 fiche

Ce document porte principalement sur les deux points suivants: les mécanismes financiers offerts aux personnes âgées qui désirent demeurer dans leur maison (report de paiements, prêts hypothécaires de conversion, vente avec possession différée) et, les nouveaux modes d'occupation pour les personnes âgées qui désirent emménager dans un logement pour retraité (crédit-logement, participation à la mise de fonds, location viagère).  
CA SA

### Logements pour les Canadiens âgés : les choix : compte rendu de la conférence

Logements pour les canadiens âgés : les choix (1988 : Halifax, N.-E.). Ottawa : Société canadienne d'hypothèques et de logement, 1989. ii, 189 p. L'éd. anglaise (*Options : housing for older...*) : 90-05748/2.  
MICROLOG 90-05746 3 fiche

Les aînés sont une population hétérogène dont les besoins et les préférences en matière de logement sont variés. La santé a des conséquences directes sur le besoin de services d'appui. Ceux qui disposent d'un revenu moindre ont plus de difficultés à trouver



à se loger convenablement. Un nombre croissant d'ânés ont un revenu et un actif suffisants, mais ne connaissent pas nécessairement les choix de logement qui s'offrent ou pourraient s'offrir à eux. Ce document se penche principalement sur cette question.  
CA SA

#### Loi canadienne sur la santé : Rapport annuel 1988-89

Ottawa : Santé et bien-être social Canada, 1989. 96, 92 p. *Bilingue (Canada Health Act...)*. CSI 21112.012. ISBN 0-662-57008-1 MICROLOG 90-05608 2 fiche

La Loi canadienne sur la santé constitue le cadre législatif sur lequel repose le réseau médico-hospitalier canadien. Ce rapport annuel pour l'année 1988-89 aborde les sujets suivants: les conditions d'octroi et de versement, les contributions et versements du gouvernement fédéral et l'application des régimes d'assurance-santé des provinces et des territoires.  
CA HE SA ST

#### Loi de mise en oeuvre de l'Accord de libre-échange Canada-Etats-Unis

Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 40 p. (Etude générale ; BP-193F) *L'éd. anglaise (The Canada-United States Free Trade...)* sur la même fiche. ISBN 0-660-92698-9 MICROLOG 90-01916 1 fiche

Ce document décrit la façon dont le projet de loi C-2 met en oeuvre l'Accord de libre-échange. A cette fin, on y examine les dispositions générales du projet de loi ainsi que celles qui modifient les nombreuses lois touchées par l'Accord. Une rubrique spéciale est consacrée à chaque partie du projet de loi, sauf à la partie V; les modifications législatives proposées dans cette partie sont traitées sous les rubriques concernant les parties III et IV, où sont étudiées les lois auxquelles elles s'appliquent.  
CA CO EX JU

#### Loi électorale : règlements électoraux

Québec : Gouvernement du Québec, Directeur général des élections, 1989. 239 p. ISBN 2-550-19629-5 MICROLOG 90-03630 3 fiche

Cette publication contient la Loi électorale et les Règlements électoraux. Elle donne des renseignements pertinents sur la Loi électorale, les règlements électoraux, l'index et le calendrier électoral.  
PA PR QU

#### La Loi omnibus américaine de 1988 sur le commerce et la compétitivité : ses conséquences pour le Canada

par A. Chapman. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. iii, 32 p. Bibliogr. (Etude générale ; BP-208F) *L'éd. anglaise (U.S. Omnibus Trade...)* sur la même fiche. ISBN 0-660-92713-6 MICROLOG 90-01904 1 fiche

Ce document résume les principales dispositions qui figurent dans l'Omnibus Trade and Competitiveness Act et examine les conséquences de cette loi pour le Canada à la lumière de l'Accord de libre-échange Canada-Etats-Unis. Des questions traitées incluent les pratiques déloyales en matière de commerce extérieur, mesures antidumping, mesures compensatrices, restriction des importations, droits de propriété intellectuelle, télécommunications, agriculture, et investissement étranger direct.  
CA CO EX JU

#### Loi sur l'accès à l'information et Loi sur la protection des renseignements personnels : Rapport annuel 1989-90 au Parlement

Ottawa : Ministère de la justice, 1990. v, 41, v, 39 p. *Bilingue (Access to Information...)*. CSI 21127.003. ISBN 0-662-57524-5 MICROLOG 90-06938 2 fiche

Ce rapport donne un compte rendu de l'application des deux lois, soit la Loi sur l'accès à l'information et la Loi sur la protection des renseignements personnels, par le ministère de la Justice, au cours de la période du 1er avril 1989 au 31 mars 1990. L'information contenue dans ce rapport provient des expériences quotidiennes du coordonnateur ministériel de l'accès à l'information et renseignements personnels et de son personnel, du rapport statistique pour l'année financière 1989-1990 et d'autres sources.  
CA JU

#### Loi sur l'accès à l'information, Loi sur la protection des renseignements personnels : Rapport annuel 1987-88

Ottawa : Secrétariat du Conseil du trésor, Pratiques en matière de gestion, Direction de la politique administrative, 1989. 24, 23 p. : ill. *Bilingue (Access to Information Act...)*. CSI 21124.004. ISBN 0-662-56814-1 MICROLOG 90-00537 1 fiche

Ce rapport résume l'expérience de toutes les institutions fédérales en vertu des deux lois et met l'accent sur les événements qui se sont produits du 1er avril 1987 au 31 mars 1988. Depuis la promulgation de ces deux lois en 1983, chaque institution est tenue de présenter des rapports annuels au Parlement. Ce rapport constitue donc un aperçu de l'application des deux lois partout au gouvernement ainsi qu'un résumé des principales initiatives administratives pertinentes. Des graphiques et des tableaux viennent compléter le rapport.  
CA JU ST

#### Loi sur l'accès à l'information, Loi sur la protection des renseignements personnels : Rapport annuel 1988-89

Ottawa : Secrétariat du Conseil du Trésor, Pratiques en matière de gestion, Direction de la politique administrative, 1989. 17, 17 p. : ill. *Bilingue*. CSI 21124.004. ISBN 0-662-57059-3 MICROLOG 90-06608 1 fiche

Ce document présente le deuxième rapport annuel global du président du Conseil du Trésor sur l'application de la Loi au sein du gouvernement du Canada. Il résume l'expérience, les points à examiner et les réalisations de toutes les institutions fédérales en vertu de ces deux lois et met l'accent sur les événements qui se sont produits du 1er avril 1988 au 31 mars 1989.  
CA JU PA ST

#### Loi sur l'assurance-récolte : Rapport annuel 1987-88 -- Rév.

Ottawa : Agriculture Canada, 1989. 11, 11 p. : ill. *Bilingue*. CSI 21100.020. ISBN 0-662-56502-9 MICROLOG 90-02145 1 fiche

Les programmes d'assurance-récolte offrent aux agriculteurs une protection de base contre les pertes de récoltes, sous la forme d'une garantie de production et à un coût que peuvent assumer la plupart des producteurs et des contribuables. Ce document présente le rapport annuel du ministère de la Loi sur l'assurance-récolte.  
AG CA CO SC ST

#### Loi sur l'équité en matière d'emploi : Rapport annuel 1989

Ottawa : Emploi et immigration Canada, 1989.

112, 102 p. : ill. *Bilingue (Employment Equity Act...)*. Tableaux (120, 116 p.) inclus. CSI 22138.006. ISBN 0-662-57079-0 MICROLOG 90-05404 5 fiche

Ce rapport regroupe les données fournies par 374 employeurs pour l'année civile 1988. Il analyse les progrès réalisés par les employeurs dans le domaine de l'équité en matière d'emploi, évalue la situation des groupes désignés faisant partie de l'effectif visé par la Loi, et ce, dans diverses branches d'activités et régions. Une comparaison des rapports des employeurs de 1988 et de 1987 permet de constater les changements qui se sont produits. Les employeurs sont également classés selon leur performance respective dans chaque branche d'activités.  
CA LA SA ST

#### Loi sur l'exportation et l'importation de biens culturels : Rapport annuel 1988-89

Ottawa : Communications Canada, 1990. 74 p. : ill. *Bilingue (Cultural Property Export and...)*. CSI 21102.003. ISBN 0-662-57172-4 MICROLOG 90-06157 1 fiche

La Loi sur l'exportation et l'importation de biens culturels, adoptée en septembre 1977, a pour principal objectif de conserver au Canada les plus représentatifs exemples de biens culturels faisant partie du patrimoine national. Elle comporte à cette fin des mécanismes de contrôle des exportations, des dégrèvements fiscaux à l'intention des particuliers qui aliènent, par don ou par vente, des objets culturels en faveur d'établissements publics, ainsi que des subventions destinées à aider les établissements à acheter les objets culturels. Ce rapport annuel fournit des informations sur les biens culturels mobiliers et sur la Commission canadienne d'examen des exportations de biens culturels.  
CA CU EX

#### Loi sur l'immersion de déchets en mer : Rapport annuel 1987-88

Ottawa : Environnement Canada, 1989. 33, 32 p. *Bilingue. Titre de la couv.: Gardons l'océan propre*. CSI 21111.004. ISBN 0-662-56994-6 MICROLOG 90-02141 1 fiche

En 1975, le Parlement a adopté la Loi sur l'immersion de déchets en mer (LIEM), loi qui traduit la détermination du Canada de protéger la qualité du milieu marin et de s'acquitter de ses obligations internationales conformément à la Convention de Londres sur l'immersion des déchets (CLID). Dans le contexte des objectifs de la CLID et de la LIEM, le Canada s'engage à prendre des mesures pour prévenir la pollution marine qui pourrait être causée par l'immersion de déchets et à favoriser l'adoption de mesures de contrôle de toutes les sources de pollution marine. Ce document présente le rapport annuel pour l'année 1987-1988.  
CA EV SC ST

#### Loi sur l'indemnisation des victimes d'actes criminels : Rapport annuel 1988-89

Fredericton : Ministère du solliciteur général, 1989. 13, 13 p. *Bilingue (Compensation for Victims...)*. CSI 45126.001. MICROLOG 90-05419 1 fiche

Document présentant la deuxième rapport annuel préparé en vertu de la Loi sur l'indemnisation des victimes d'actes criminels pour la période du 1er avril 1988 au 31 mars 1989. Il passe en revue des renseignements généraux concernant les textes législatifs et le ministère chargé de recevoir et de traiter les demandes d'indemnisation et d'administrer les dispositions relatives au partage des coûts. En outre, il contient un sommaire des statistiques sur les demandes qui ont été acceptées ou refusées.  
AP JU PR ST



# **La Loi sur la faillite : les révisions proposées en 1988 -- Rév.**

par H. Morrison. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 24 p. Bibliogr. (Bulletin d'actualité : 88-16F) L'éd anglaise (The Bankruptcy Act...) sur la même fiche. ISBN 0-660-92720-9 MICROLOG 90-01843 1 fiche

Cette loi prévoit la répartition ordonnée et équitable de l'actif d'une personne insolvable entre ses créanciers. Elle offre également à un débiteur la possibilité d'éviter la faillite en réorganisant ses dettes, avec l'autorisation de ses créanciers. La Loi actuelle date de 1949 et a grand besoin d'une révision. Six projets de loi de réforme omnibus ont été déposés au Parlement entre 1975 et 1984, mais aucun d'eux n'a été adopté. Trois comités consultatifs différents ont recommandé des modifications dont aucune n'a été apportée. Ce document présente les dernières propositions du gouvernement visant à réviser la 'Loi sur la faillite'.  
CA CO JU

# **Loi sur la liberté d'accès à l'information : Rapport annuel 1988**

Winnipeg : Culture, patrimoine et loisirs Manitoba, 1989. 12, 12 p. Bilingue. CSI 41106.004 MICROLOG 90-00829 1 fiche

Le rapport couvre la période allant de la proclamation de la loi, c'est-à-dire du 30 septembre 1988, au 31 décembre 1988. Le document fait état des points suivants: le nombre de demandes reçues, accordées et refusées, ainsi que les droits perçus par chaque ministère et organismes gouvernementaux, les exemptions obligatoires visant à autoriser certains ministères et organismes à refuser l'accès à leurs documents, les exemptions discrétionnaires visant à autoriser des ministères et organismes à refuser l'accès à certains de leurs documents; et le coût réel connu des réponses aux demandes reçues par les ministères et les organismes en vertu de la loi.  
JU MS PR ST

# **Loi sur la restructuration du secteur des pêches de l'Atlantique : Rapport annuel 1986-87**

Ottawa : Ministère des pêches et des océans, 1988. 3, 3 p. Bilingue. CSI 21105.028. ISBN 0-662-56244-5 MICROLOG 90-02248 1 fiche

Cette loi autorise le ministre des Pêches et des Océans à faire des investissements et à apporter une aide financière aux fins de restructuration des entreprises de pêche de l'Atlantique pour favoriser le développement de pêches rentables et concurrentielles. Elle autorise également le Ministre à acquérir, détenir ou céder des actions, déventures ou titres de toute entreprise de pêche de l'Atlantique. Ce document présente le rapport annuel de l'administration de la loi et se penche sur l'acquisition, le nantissement et la cession d'actions au cours de 1986-87, les contributions, prêts et garanties; les crédits, et, les états financiers.  
AP CA CF FI SC

# **Loi sur la restructuration du secteur des pêches de l'Atlantique : Rapport annuel 1987-88**

Ottawa : Ministère des pêches et des océans, 1988. 3, 3 p. Bilingue. CSI 21105.028. ISBN 0-662-56245-3 MICROLOG 90-03034 1 fiche

Ce document présente le rapport annuel concernant l'administration de la Loi sur la restructuration du secteur des pêches de l'Atlantique pour l'année financière se terminant le 31 mars 1988. On y aborde les acquisitions, le nantissement et les cessions d'actions au cours de 1987-88, les

contributions, les prêts et garanties, les crédits, et les états financiers.  
AP CA CF FI SC

# **Loi sur les heures d'affaires : document d'information**

Québec : Gouvernement du Québec, Ministère de l'industrie, du commerce et de la technologie, 1989. xxi, 171 p. CSI 66108.218 MICROLOG 90-06572 3 fiche

Depuis 1969, le Québec est doté d'une loi encadrant les heures d'ouverture des établissements commerciaux. Cette loi a dû s'ajuster au cours des années, tant par l'interprétation qui en était faite que par son libellé, à l'évolution de notre société et aux nouvelles situations d'équilibre que dictaient les dynamiques des divers intervenants. Ce document, portant sur les heures d'ouverture des établissements commerciaux du Québec, a pour objectif de dresser un tableau de la problématique et de la situation des intervenants concernés par ce débat.  
CO PR QU ST

# **Loi sur les heures d'affaires : document de consultation**

Québec : Gouvernement du Québec, Ministère de l'industrie, du commerce et de la technologie, 1990. 4 p. MICROLOG 90-06977 1 fiche

En vigueur depuis le 1er janvier 1970, la Loi sur les heures d'affaires des établissements commerciaux a été révisée en 1984. La loi impose en principe un cadre d'ouverture et de fermeture des établissements commerciaux identique pour toutes les municipalités du Québec. Toutefois, les 19 exceptions (ainsi que les diverses autorisations) prévues par la loi font que, pour un même secteur d'activité commerciale, différents régimes sont applicables. Cette multitude d'exceptions fait en sorte que l'équité entre établissements commerciaux n'est plus ressentie comme étant le principe de base du système. Ce document se penche sur cette question.  
CO PR QU

# **Loi sur les langues officielles**

par J.-C. Ducharme. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. 13 p. (Etude générale : BP-184F) L'éd. anglaise (Official Languages Act) sur la même fiche. ISBN 0-660-92689-X MICROLOG 90-01908 1 fiche

La Loi se compose d'un préambule et de 111 articles regroupés en 14 parties. Elle contient donc plusieurs nouveaux éléments, dont: le préambule et les parties concernant les débats et travaux parlementaires, la langue de travail; la participation des Canadiens francophones et anglophones; la promotion du français et de l'anglais; les attributions et obligations du Conseil du Trésor en matière de langues officielles; et, le recours judiciaire. Ce document se penche particulièrement sur les principales caractéristiques de la loi, qui sont: assurer l'égalité des langues officielles; appuyer le développement des minorités de langue officielle et la progression vers l'égalité de statut des langues officielles; et, préciser les pouvoirs et obligations des institutions fédérales en la matière.  
CA JU

# **Loi sur les mines : questions et réponses**

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 18 p. : ill. Questions soulevées pendant le Congrès de l'Association des prospecteurs du Québec. MICROLOG 90-04868 1 fiche

Ce document, sous forme de questions et réponses, vise à adresser les questions les plus souvent posées sur la Loi sur les mines, ou les plus problématiques, afin de permettre

de connaître et de maîtriser davantage cette loi, et les procédures à suivre pour s'y conformer.  
NR PR QU SC

# **Loi sur les prêts aux petites entreprises : Rapport annuel sur les activités 1987-88**

Ottawa : Industrie, sciences et technologie Canada : Agence de promotion économique du Canada atlantique : Diversification de l'économie de l'ouest canadien, 1988. 36, 36 p. : ill. Bilingue (Small Businesses Loans...). CSI 21109.006. ISBN 0-662-56671-8 MICROLOG 90-00545 1 fiche

Le but de la Loi est d'accroître la disponibilité des prêts ayant pour objet l'établissement, l'agrandissement, la modernisation et l'amélioration des petites entreprises commerciales. Le rapport porte sur les activités reliées à la Loi sur les prêts aux petites entreprises.  
CA CO PA ST

# **Loi sur les prêts destinés aux améliorations agricoles : Rapport annuel 1987**

Ottawa : Agriculture Canada, 1989. 14, 13 p. Bilingue (Farm Improvement Loans...). CSI 21100.003. ISBN 0-662-56426-X MICROLOG 90-01639 1 fiche

Ce rapport expose les statistiques financières et autres données pertinentes ainsi que les explications relatives à la Loi sur les prêts destinés aux améliorations agricoles pour une période de 13 mois se terminant le 31 janvier 1988. Cette loi a pour but d'encourager l'octroi de crédit à court et à moyen terme aux agriculteurs pour la mise en valeur des exploitations et l'amélioration des conditions de vie sur les fermes.  
AG CA CO ST

# **Loi sur les relations de travail au Parlement : Rapport annuel 1987-88**

Ottawa : Commission des relations de travail dans la Fonction publique, 1988. vii, 9, vii, 9 p. Bilingue (Parliamentary Employment...). CSI 22276.002. MICROLOG 90-00719 1 fiche

Ce rapport décrit l'organisation et les fonctions de la Commission et donne une revue en bref de l'année et du personnel. Un sommaire présente des affaires dont la commission a été saisie. En conclusion, un tableau illustre les unités de négociation et les agents négociateurs désignés en vertu de la loi.  
CA JU PA

# **Loi sur les relations de travail au Parlement : Rapport annuel 1988-89**

Ottawa : Commission des relations de travail dans la Fonction publique, 1989. vii, 11, vii, 9 p. Bilingue (Parliamentary Employment...). CSI 22276.002. ISBN 0-662-55543-0 MICROLOG 90-02779 1 fiche

Ce document présente le rapport annuel de la Commission des relations de travail dans la Fonction publique qui porte sur la période du 1er janvier 1988 au 31 mars 1989. On y donne des renseignements sur l'organisation et les fonctions de la Commission; le personnel; l'année en bref; les demandes d'accréditation à titre d'agent négociateur; les plaintes présentées en vertu de l'article 13; les demandes de révision fondées sur l'article 17; les procédures d'arbitrage des griefs; les procédures d'arbitrage des différends, les principes établis dans les décisions arbitrales, et la médiation.  
● CA LA PA

# **La Loi sur les terres et forêts de la couronne du Nouveau-Brunswick : les cinq premières années**

Nouveau-Brunswick. Ministère des ressources



naturelles et de l'énergie. Fredericton : le Ministère, 1989. ii, 42, ii, 38 p. *Bilingue (New Brunswick Crown...)*.  
MICROLOG 90-04105 1 fiche

Ce document décrit le contexte et l'évolution des modifications apportées en 1982 aux règles directrices sur la forêt au Nouveau-Brunswick, l'activité des titulaires de permis au cours des cinq premières années d'application de la loi, l'évaluation de l'application de ces règles directrices au cours de cette période et, finalement, les leçons que l'on peut tirer en vue de l'exploitation future des forêts de la couronne au Nouveau-Brunswick.  
AP FO PR PW SC

### Les Lois provinciales ayant trait aux réfugiés mineurs non accompagnés

Ottawa : Emploi et immigration Canada, Immigration, 1989. 5, 5 p. *Bilingue (Provincial legislation affecting...)*. ISBN 0-662-56902-4  
MICROLOG 90-02968 1 fiche

Cette étude porte surtout sur la situation des jeunes qui entrent au Canada pour vivre dans des foyers d'accueil ou des foyers de groupe et qui ne sont pas accompagnés des membres de leur famille ou ne savent pas qui s'occupe d'eux au Canada. De plus, elle examine comment les lois et le droit jurisprudentiel des provinces influent sur ces réfugiés mineurs non accompagnés. Les questions qui y sont traitées sont les suivantes: la tutelle, l'accès au système scolaire, l'adoption de réfugiés mineurs non accompagnés après leur arrivée au Canada, et l'application de lois assurant la protection de l'enfant aux réfugiés mineurs non accompagnés.  
● CA EX JU

### London (Ont.) : Annual report 1989

London, Ont. : The City, 1990. 32 p. : ill. CSI 89186.001.  
MICROLOG 90-04920 1 fiche

This annual report presents a profile of the City including highlights, an operational review with reports from the various departments, and financial highlights and information.  
MU ON PA

### Long combination vehicles in Quebec and Ontario

by F.P. Nix and M. Boucher. Ottawa : Transport Canada, Policy and Coordination Group, Economic Analysis Directorate, 1987. iv, 45 p. Bibliogr.  
MICROLOG 90-04076 1 fiche

Investigation of the economic feasibility of allowing long truck combinations (over 30 metres) to operate on Quebec and Ontario four lane (or more) divided highways. These trucks already operate in Quebec, 3 other Canadian provinces, and 18 U.S. states. The 'special permits' mechanism for allowing them can be used to control every aspect of their operations (time of day, mechanical conditions, routing, driver qualifications, etc.). The long truck combinations investigated operate at the existing axle and total truck weight limits. Subjects investigated include flows, productivity and costs, shifts, highway and transportation costs, and road-user taxes. Topics not covered include road handling/performance, safety, access and/or staging, and road-pricing. The economics of freight handling by truck vs. railway was also not covered.  
CA ON QU TR

### Long Point Provincial Park management plan, 1989

Toronto : Ministry of Natural Resources, 1989. 10 p. : maps. Bibliogr. ISBN 0-7729-3336-7  
MICROLOG 90-01353 1 fiche

Long Point Provincial Park is located near the base of the Lake Erie sand spit known as Long Point, which extends to the east some 32 km into the lake. This official plan covers

objectives; park boundaries and zones; resource management for landforms, vegetation and wildlife; operations; development; and implementation. A summary of the public consultation process is also included.  
CU ON PR

### Long Range Habitat Planning : proceedings of a workshop

M. Fenger and V. Stevens, editors. Victoria : Ministry of Environment and Parks, 1990. ix, 41 p. : ill. Bibliogr. (Wildlife working report ; WR-44) ISSN 0831-4330  
MICROLOG 90-05020 1 fiche

Planning workshop to develop an improved strategy for fish and wildlife habitat management through participation in the interagency planning process. Regional habitat protection staff also clarified their involvement in timber supply area (TSA) planning and provided an evaluation of the process at Williams Lake, Kootenay, Golden and Invermere, Okanagan, and Kamloops. Habitat management in the Vancouver Island Region, the Nechako sub-region and the Rocky Mountain Trench were also included.  
BC EV PR SC

### Long range plan : Mount Norquay ski area, Banff National Park

Hull, Que. : Environment Canada, Canadian Parks Service, 1989. ii, 12 p.  
MICROLOG 90-02324 1 fiche

Outline of decisions to guide the future of the Mount Norquay ski area in an environmentally sound way, while at the same time providing increased opportunities for use and contributing to the regional economy. The plan specifies the land area which may be used for skiing and associated purposes and the related facilities, uses and operating procedures that are approved in principle, including the ski terrain and lift systems, day-use facilities, support infrastructure, snowmaking and avalanche control, landscaping and rehabilitation, capacity, and phasing.  
AL CA CU

### Long term production outlook for the Canadian aquaculture industry

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, Economic Analysis and Statistics Division, 1989. 104 p. (Economic and commercial analysis series : surveys and statistics report ; no. 13) ISSN 0835-6882  
ISBN 0-662-17149-7  
MICROLOG 90-02214 2 fiche

This publication assesses the growth potential of the Canadian aquaculture industry. It considers farmed salmon, oysters, mussels, and trout. It also presents three scenarios for each major species, namely high, medium, and low growth.  
● CA CO FI

### Long-term economic outlook : annual review

by W.H. Tharp...et al. Toronto : Ontario Hydro, 1989. 11 p. CSI 56125.007.  
MICROLOG 90-01053 1 fiche

This document presents changes from the previous outlook, and discusses uncertainty in long-term forecasting, Ontario economic growth, the sectoral distribution of output, inflation and the consumer price index, interest rates, the Canadian dollar exchange rate, and energy prices. It also provides forecast tables for Ontario, Canada, and the United States.  
CO EN ON PR SC ST

### Long-term energy outlook, 1987-2005 : working paper

Canada. Energy Market Analysis Division. Ottawa : The Division, 1988. i, 82 p. : ill. MICROLOG 90-00944 1 fiche

This report is a compendium of work prepared over 6 months to April 1988 on Canada's long-

term energy outlook. The individual components contain analysis of long-term trends in the world oil market, associated implications for domestic energy prices, macroeconomic assumptions and demand for major types of energy by sector and region within Canada to 2005, and supply and net trade projections for each of the major fuels. Two sets of summary tables are provided. The results are based on the use of the Inter-Fuel Substitution Demand (IFSD) modelling system. In the world oil market, 2 base-case price scenarios were developed consistent with a low but rising price pattern (\$15-\$24, \$18-\$32).  
● CA EN SC

### Long-Term Temperature Monitoring Program, 1985 : Scotia-Fundy, Gulf of St. Lawrence, and Newfoundland

by R.E. Walker, D. Dobson and P. Stead. Dartmouth, N.S. : Bedford Institute of Oceanography, 1986. ix, 521 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 49) ISSN 0711-6721  
MICROLOG 90-05161 6 fiche

Temperature records have been gathered in the Newfoundland area since 1967 and in the Scotia-Fundy and Gulf areas since 1978 as part of the long-term temperature monitoring program administered by the Bedford Institute of Oceanography. The success of the program depends upon maintenance of an inventory of Ryan Thermograph recorders, described in this report. The report gives daily mean sea temperatures and time-series plots of the temperatures measured at various depths in the Scotia-Fundy, Gulf of St. Lawrence, and Newfoundland areas and recovered in 1985, together with degree day calculations.  
● AP CA CF NR PS SC

### Long-Term Temperature Monitoring Program, 1987 : Scotia-Fundy, Gulf of St. Lawrence, and Newfoundland

by D.N. Gregory...et al. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. vii, 497 p. : ill., maps. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 65) ISSN 0711-6721  
MICROLOG 90-06589 6 fiche

Temperature data from coastal areas have been collected extensively from Newfoundland region since 1967 and Scotia-Fundy and Gulf of St. Lawrence since 1978, mainly in support of various fisheries programs, as well as to monitor any long term changes in temperature. This report presents daily mean sea temperatures and time-series plots of the temperatures measured at various depths in these areas and recovered in 1987, together with degree day calculations.  
● AP CA CF NR PS SC

### Long-Term Temperature Monitoring Program, 1988 : Scotia-Fundy and Gulf of St. Lawrence

by D.N. Gregory, E. Verge and P. Langille. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. vi, 233 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 74) ISSN 0711-6721  
MICROLOG 90-05162 3 fiche

Temperature data from coastal areas have been collected extensively from Newfoundland region since 1967 and Scotia-Fundy and Gulf of St. Lawrence since 1978 as part of the Long Term Temperature Monitoring Program, in support of various fisheries programs as well as to monitor any long term changes of temperature. The calibrated digitized analogue charts from the Ryan recorders are incorporated into the thermograph data archives. This report presents daily mean sea temperatures and time-series plots of the temperatures measured at various depths in the Scotia-Fundy and Gulf of St. Lawrence



areas from instruments recovered in 1988, along with degree day calculations. The report also describes the instrumentation, its calibration, and station designations.  
 • AP CA CF NR PS SC

### Long-Term Temperature Monitoring Program, 1989 : Scotia-Fundy and the Gulf of St. Lawrence

by D.N. Gregory, E. Verge and P. Langille.  
 Dartmouth, N.S. : Bedford Institute of Oceanography, 1990. vi, 175 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 84) ISSN 0711-6721  
 MICROLOG 90-06434 2 fiche

Report on daily mean temperatures and time-series plots of the temperatures measured at various depths in the Scotia-Fundy and Gulf of St. Lawrence areas from instruments recovered in 1989. Degree day calculations are also given.  
 • AP CA CF NR PS QU SC

### Looking North : Canada's Arctic commitment

Ottawa : Dept. of Indian Affairs and Northern Development, 1989. 95 p. : ill. French ed. (*Regard sur le Nord...*) : 90-00959/2. ISBN 0-662-17120-9  
 MICROLOG 90-00960 2 fiche

Overview of current trends and activities in northern Canada, defined as the Yukon and Northwest Territories (NWT), the waters of Hudson and James Bays and the Arctic archipelago. This review covers the geography and history of the area, its political development and relations with the aboriginal population, and the social and cultural climate. Scientific research being conducted, by both Canadian and international sources, is described, along with the importance of the oil, gas and mining sectors to the economy. The review stresses the importance of protecting the northern environment and ensuring security. Methods of transportation via the ocean and the air are emphasized, as well as the importance of communications. The review concludes with the security agreements reached with the U.S. on the use of the waters of the Arctic, and the measures Canada has taken to strengthen its presence in the area. Descriptions are also given of cooperative scientific research undertaken with the Soviet Union and other polar nations.  
 CA CU EX NO NP

### Lorrain Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 99 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 502) *Fold. maps not filmed.*  
 MICROLOG 90-04560 2 fiche

Geological data inventory for Lorrain Township, including a checklist of sources, metals and minerals references, mineral occurrences by individual or company, type of exploration work by company, drillhole summary by company, results of a geochemical survey, newspaper clippings available, results of an ODM general search, selected references, and air photos on file.  
 NR ON PR SC

### Loss of uranium bioadsorptive capacity on recycle : final report

by M. Tsezos. Hamilton, Ont. : McMaster University, Dept. of Chemical Engineering, 1989. 35 p. : ill. Bibliogr. *CANMET contract: 89082-01-SS.*  
 MICROLOG 90-02541 1 fiche

Previous experimental work suggested that an initial decrease in uranium uptake capacity occurred when immobilized *R. arrhizus* biomass was subjected to repeated uranium loading and

elution cycles using Denison Mines biological leachate. To determine the possible causes of uptake reduction, the immobilized biomass from (both batch and continuous column) loading-elution cycling experiments was studied using transmission electron microscopy, x-ray energy dispersion analysis and infrared spectroscopy.  
 • CA CM EV NR ON SC

### Loto Atlantique (Canada) : Rapport annuel 1988-89

Moncton, N.-B. : la Société, 1989. 12 p. : ill. L'éd. anglaise sur la même fiche. CSI 32101.001.  
 MICROLOG 90-02270 1 fiche

Le document présente le rapport annuel de la Société de loteries de l'Atlantique ainsi que ses états financiers pour l'année 1988-1989.  
 AP CU PR ST

### Loto-Québec : Annual report 1988-89

Quebec : Loto-Québec, 1989. 28 p. : ill. French ed. : 90-01381/1. CSI 67147.001E.  
 MICROLOG 90-00731 1 fiche

Annual report presents the highlights of the year including social-cultural benefits, professional development, human resource statistics, technological improvements, and outlook for sales growth. Figures are given for sales and prizes allotted by product, retailer discounts, and distribution of retailers by region and business category. A summary of earnings for 1984-89 follows the consolidated financial statements and accompanying notes.  
 CU PR QU ST

### Loto-Québec : Rapport annuel 1988-89

Montréal : la Société, 1989. 28 p. : ill. L'éd. anglaise : 90-00731/1. CSI 67296.001.  
 MICROLOG 90-01381 1 fiche

Les buts de la société sont d'optimiser le revenu et la qualité du service, d'assurer l'intégrité et la crédibilité publique des jeux et de la gestion de la Société, de développer tous les jeux jugés appropriés, et d'atteindre, par sa compétence, une position de leadership dans son domaine. Ce document présente le rapport annuel de la Société des loteries et courses du Québec ainsi que les états financiers de l'année 1988-89.  
 CU PR QU ST

### Lotteries : the bid for exclusive jurisdiction in Canada

by J. Wilson. Toronto : Ontario Legislative Library, 1988. 25 p. Bibliogr. (Current issue paper ; no. 83) ISSN 0835-0299  
 MICROLOG 90-03986 1 fiche

Since 1985, the Ontario Lottery Corporation has enjoyed a monopoly over the revenues generated from the operation of provincial lottery games. The Corporation owes its position to two events, namely, the enactment of the 1985 amendments to the Criminal Code which gave the provinces exclusive jurisdiction over lotteries in Canada and the creation of the Ontario Trillium Foundation, a non-profit organization which receives lottery proceeds for distribution to the various religious and charitable organizations in Ontario. This document examines these events in relation to their historical background.  
 CI CU ON PR

### Lotteries Commission of New Brunswick : Annual report 1986-87

Fredericton : The Commission, 1988. 10, 10 p. : ill. Bilingual. CSI 46102.001.  
 MICROLOG 90-05617 1 fiche

The Commission develops provincial lottery policy and represents provincial interests in the lottery field. It also is responsible for the administration of the licensing system for all privately operated gaming activities. This annual report provides an overview of the

major activities and accomplishments of the Commission and includes financial statements.  
 AP CU PR

### Lotteries Commission of New Brunswick : Annual report 1987-88

Fredericton : The Commission, 1989. 13 p. Bilingual. CSI 46102.001. ISSN 3709-3586  
 ISBN 1-55048-116-9  
 MICROLOG 90-02269 1 fiche

The Commission has two broad areas of responsibility. It develops Provincial lottery policy and represents Provincial interests in the lottery field, particularly as it relates to government operated lotteries. The Commission is also responsible for the administration of the licensing system for all privately operated gaming activities such as raffles and bingos. This annual report contains an overview of and financial results of 1987-88. It also provides financial statements.  
 AP CU PR

### Low cost treatment technology for gasoline contaminated groundwater, Delta, Ont.

by R.M. Woeller, J.F. Devlin and T.R. Keil.  
 Toronto : Environment Ontario, Environmental Research Program, 1989. iv, 36 p. : ill. Bibliogr. ISBN 0-7729-5833-5  
 MICROLOG 90-01033 1 fiche

Assessment of the performance of a relatively low cost overland flow, biological treatment process to reduce levels of organic compounds in gasoline contaminated groundwater to acceptable concentrations for discharge into surface waters. The remedial work involved the installation of a purge well near the centre of the contaminant plume and its operation at a flow rate of 325 litres/minute. This report provides details of the construction of the overland flow, biological treatment system and an assessment of the performance of the system during the first 12 months of the operation.  
 EV ON PR SC

### Low flow estimation guidelines for New Brunswick

prepared by Water Resource Planning Branch, New Brunswick Dept. of the Environment and Water Planning and Management Branch, Inland Waters Directorate, Conservation and Protection, Environment Canada. Dartmouth, N.S. : The Branches, 1990. vi, 43 p. : ill. Bibliogr.  
 MICROLOG 90-06290 1 fiche

Guidelines for the estimation of low streamflows in New Brunswick. The guide describes the results of single station frequency analyses for the 38 streamflow sites used in the study; the regional frequency analysis and the development of envelope curves; the HIGHLOW computer program to estimate both flood and low flows; procedures for estimating low flows in gauged and ungauged basins; and examples.  
 AP CA NR PS SC

### Low rent housing in Vancouver's central area : policy and program options : a report

J. David Hulchanski ; for the Central Area Division, Vancouver Planning Dept.  
 Vancouver, B.C. : University of British Columbia, Centre for Human Settlements, 1989. iii, 29 p. At head of title: *Housing and community planning.*  
 MICROLOG 90-06957 1 fiche (Available on fiche only)

The purpose of this study is to provide a response to the following question: What actions can be taken to maintain low cost housing and to address displacement in the Downtown Eastside, Downtown South, Strathcona, and Downtown North? The focus is on the low



rent residential hotel and rooming house stock.  
BC MU SA

### Low temperature Mossbauer spectroscopy of tin catalysts : final report

by G. Denes. Montreal : Concordia University, Dept. of Chemistry ; Laboratory of Solid State Chemistry and Mossbauer Spectroscopy, Laboratoires for Inorganic Materials, 1989. 100 p. : ill. Bibliogr. CANMET contract: 69097-01-ST.  
MICROLOG 90-02560 2 fiche

Report of research to characterize some tin and cobalt-molybdenum containing catalysts supported on a titanium-oxygen framework. Tin-119 Mossbauer spectroscopy was used to probe the tin sites in order to determine the tin oxidation state, evaluate the relative abundance of divalent and tetravalent tin, study the tin environment and identify the tin-containing species. Powder X-ray diffraction showed whether the samples were crystalline, microcrystalline or amorphous, and when Bragg peaks were observed, crystalline phases could be identified and the average particle diameter of microcrystalline phases determined. The texture of the solid catalysts and the particle size and shape were determined by scanning electron microscopy.  
● CA CM NR PS SC

### Lowbush blueberry production -- Rev.

by C.R. Blatt...et al. Ottawa : Agriculture Canada, 1989. 56 p. : ill. French ed. (*La Production du bleuët nain*) : 90-02468/1. ISBN 0-622-17119-5  
MICROLOG 90-02469 1 fiche

Production of lowbush blueberries in Canada is confined almost entirely to eastern Canada. Although most lowbush blueberries are processed, a small but increasing percentage is marketed as fresh fruit. This publication describes the classification of plants, development, soil requirements, pruning, burning and picking. Common diseases and weeds are listed, with methods for their control. Methods of harvesting and storage are also included.  
AG CA SC

### Lowbush blueberry production and marketing in Nova Scotia : a situation report, 1989

Halifax : Dept. of Agriculture and Marketing, 1989. i, 13 p. CSI 51100.005.  
MICROLOG 90-02156 1 fiche

Information and data on producers and acreage, methods, harvesting costs, the marketing system, prices paid to growers, processing and costs, marketing costs and fresh markets for lowbush blueberries, the main fruit crop in the province in terms of total acreage and export sales, and a close rival to apples for total value to the province's economy. Data covers 1956-88.  
AG AP PR SC ST

### Lower Fort Garry National Historic Park 1989 visitor survey : report on survey findings

prepared for Canadian Parks Service, Environment Canada ; by Prairie Research Associates Inc. Winnipeg : The Corporation, 1990. ii, 202 p. : ill. CSI 22266.202.  
MICROLOG 90-06358 3 fiche

The Park is located 32 kilometres north of Winnipeg. This report presents the results of a survey which provided: a profile of visitor activity groups; visitor information needed for attendance counting; an assessment of use of the visitor reception centre; and a measurement of the level and type of visitor expenditures in the Selkirk area.  
CU MS PR ST

### Lunenburg County

compiled by Philip L. Hartling. Halifax : Public Archives of Nova Scotia, 1989. 18 p. (Nova Scotia genealogical sources county guide series ; no. 3) ISBN 0-88871-101-8  
MICROLOG 90-05538 1 fiche

This booklet contains a map and list of genealogical sources for the area, all of which are available at the Public Archives of Nova Scotia.  
AP CU PR

### La Lutte contre la pollution découlant de la fabrication de pâtes et papiers au Canada : perspective fédérale

par W.F. Sinclair. Ottawa : Environnement Canada, Conservation et la protection, 1990. xviii, 392 p. : ill. Bibliogr. ISBN 0-660-92942-2  
MICROLOG 90-04282 5 fiche

L'objet de cette étude est d'évaluer les progrès accomplis en matière de lutte contre la pollution dans l'industrie canadienne des pâtes et papiers. L'étude comprend: une revue historique des procédés industriels utilisés pour la production de pâtes et papiers au Canada; un examen du mandat et des objectifs déclarés du fédéral en matière d'efforts visant à limiter la pollution par l'industrie; une analyse de la nécessité de la poursuite de la participation du fédéral à la réglementation de la pollution causée par l'industrie des pâtes et papiers; une évaluation des réductions des rejets; une évaluation de l'efficacité du Règlement tel qu'il est actuellement appliqué; et, des conclusions et, au besoin, des recommandations basées sur l'information mise à jour dans le cadre de l'étude.  
● CA EV FO SC

### Lutte contre les pluies acides : avantages potentiels en foresterie commerciale pour le Canada

par G.A. Fraser. Ottawa : Gouvernement du Canada, Service canadien des forêts, Direction de l'économie, 1989. vi, 28 p. : ill. Bibliogr. (Rapport d'information ; E-X-42F) L'éd. anglaise (*Acid rain control...*) : 90-02467/1. ISSN 0834-9398 ISBN 0-662-95603-6  
MICROLOG 90-02898 1 fiche

L'incidence globale des pluies acides sur les forêts du Canada et l'efficacité des programmes de lutte contre la pollution axés sur la prévention des dommages causés aux forêts sont extrêmement incertaines. Toutefois, une enquête menée auprès de spécialistes scientifiques par Forêts Canada jette un éclairage cru sur les incidences possibles. En premier lieu, les résultats de l'enquête servent de matière première à une analyse du risque d'endommagement qui pèse sur les forêts ainsi que des avantages que devraient avoir sur la productivité forestière deux nouveaux programmes de lutte contre la pollution. En deuxième lieu, on examine les rapports entre ces changements au niveau de la productivité forestière et la future récolte commerciale de bois d'oeuvre. Enfin, on fait une estimation des avantages sociaux et économiques des deux programmes de lutte contre la pollution.  
● CA EV FO SC

### Machine translatability of computer system manuals

by J. Lehrberger. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1987. 19 p. ISBN 0-662-16587-X  
MICROLOG 90-05464 1 fiche

Study to examine the linguistic complexity of texts describing particular computer systems, their installation and their current use at the Translation Bureau (Government of Canada). The aim is to determine, on the basis of a sampling of such texts, the feasibility of

translating these documents by MT systems employing current technology.  
CA PS SC TE

### Machine-aided translation : state of the art and prospects for the future

by P. Isabelle. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1988. 8 p. Bibliogr. ISBN 0-662-16397-4  
MICROLOG 90-05473 1 fiche

Evaluation of the Centre's machine-aided translation research and development program in relation to the current state-of-the-art in computerized translation. The paper summarizes the problem of automating translation, the search for sub-optimal solutions, research on such programs in other countries, and the program at the Centre.  
CA PS SC TE

### Mackenzie Delta Beaufort Sea Regional Land Use Planning Commission : interim report

Inuvik, N.W.T. : Northwest Territories Land Use Planning, 1988. 39 p.  
MICROLOG 90-00462 1 fiche

The Commission was established in April 1987, with the planning region coincident with the boundary for the Inuvialuit Settlement Region. This interim report defines land use planning, the goals and objectives of the Commission, the activity and findings to date, and the strategy for implementation of the plan, which will involve community planning, establishment of special use or protected area systems, integrated resource use, establishment of effective management bodies, and establishment of a regional information and data base system. Regional issues of importance include protected areas, renewable resources, economic development, non-renewable resources, transportation, environmental effects, scientific research, culture and tradition, military installations and activities, municipal issues, overlap, land claims, and issues of sovereignty.  
NO PL PR SC

### Mackenzie Environmental Monitoring Project, phase II : 1987 activities

LGL Limited...et al. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1988. xxxv, 254 p. : ill. Bibliogr. (Environmental studies ; no. 56) ISBN 0-662-16577-2  
MICROLOG 90-04554 3 fiche

In 1983 the Beaufort Environmental Monitoring Project (BEMP) was initiated to provide the technical basis for the design, operation and evaluation of a comprehensive and defensible environmental research and monitoring program to accompany hydrocarbon development in the Beaufort Sea relative to the regulatory responsibilities of the sponsoring departments. In 1985, a comparable program was initiated to determine research and monitoring priorities related to possible effects of hydrocarbon development and transportation in the Mackenzie Delta and Valley regions (MEMP). A study was begun in 1987 to review recent relevant research, to comment on the need for revision of MEMP hypotheses and to provide an update of possible future hydrocarbon development plans for the MEMP study area. This report describes 1987 MEMP activities, including an updated hydrocarbon development scenario and research on the activities of red and arctic foxes and wolves on the off-shore sea ice of northern Labrador to test the hypothesis that increased hydrocarbon development would lead to a decrease in the numbers of these species.  
CA EV NO SC

### Mackenzie River water levels and the flooding of delta lakes

by P. Marsh and M. Hey. Saskatoon, Sask. :



Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. ii, 135 p. : ill., maps. Bibliogr. (NHRI contribution ; no. 88013) ISSN 0838-1992 MICROLOG 90-02454 2 fiche

The Mackenzie Delta is the largest delta in Canada and one of the major northern deltas in the world, second only in size to the Lena. In conjunction with permafrost, climatic and hydrologic conditions combine to create a large number of freshwater lakes, which cover up to 50% of the Mackenzie deltaic plain. Analysis of 12-25 years of Mackenzie River east channel water levels allowed the documentation of the relationship between flooding regime and sill elevation for lakes in the study area near Inuvik. CA EV NO SC

#### MacMillan Provincial Park : master plan

Victoria : Ministry of Parks, 1990. 35 p. : maps. Bibliogr. On cover. *Draft management plan for MacMillan Provincial Park.* MICROLOG 90-06813 1 fiche

The purpose of this master plan is to guide all resource and visitor services decisions that will be made in the next five years and that will allow MacMillan Provincial Park to attain its full potential within the overall park system in British Columbia. BC CU PR

#### Macmurchy Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 86 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 518) MICROLOG 90-04570 2 fiche

Geological data inventory for Macmurchy Township, including a checklist of data sources, mineral occurrences, type of exploration work done and by whom, drillhole summary by company, results of an airborne geophysical survey, results of a geochemical survey, newspaper clippings, results of an ODM general index search, selected references, and air photos available. NR ON PR SC

#### A Magnetic field probe for use in extremely low frequency (ELF) animal exposure systems

by R. Scheer. Toronto : Ontario Hydro, Research Division, 1989. 6 p. : ill. (Report ; no. 89-159-K) MICROLOG 90-01168 1 fiche

As part of a program to measure the effects of extremely low frequency (ELF) fields on animals, a magnetic field probe was developed which could be suspended over a mouse cage to measure localized fields at the bottom of the cage. The device had to be small enough to fit inside a mouse cage, had to reproduce an ELF waveform accurately, its dynamic range should cover fields between 1  $\mu$ T and 5 mT, there must be a simple relationship between field strength and output signal, and signals outside the range of interest should be filtered out. This paper describes the design and testing of such a device. EN ON PR SC

#### Magnetic fields in the workplace

by D. Charron. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1990. i, 14 p. Bibliogr. ISBN 0-660-13573-6 MICROLOG 90-06617 1 fiche

Recent technological developments have resulted in an increased number of sources of magnetic fields in high-energy technologies, medical imaging, electricity distribution, industrial heating,

and video display terminals. This publication summarizes the various sources, typical exposure levels, health hazards from exposure, and existing exposure guidelines and control measures. • CA LA

#### Mailing addresses and telephone numbers : House of Assembly directory

Nova Scotia. House of Assembly. Halifax : The House, 1990. 21 p. MICROLOG 90-03277 1 fiche

Provides addresses and telephone numbers for members of the Office of the Speaker, and Province House together with House of Assembly members. AP PA PR

#### Main estimates, 1990-91

New Brunswick. Dept. of Finance. Fredericton : The Dept., 1990. 272 p. French ed. (*Budget principle, 1990-91*) : 90-04025/3. CSI 45105.003 MICROLOG 90-04021 3 fiche

Contains summary tables of expenditures; main estimates of ordinary, capital, special purpose account and loans and advances expenditures; estimates of ordinary revenue, capital recoveries, special purpose revenue and recoveries of loans and advances; and estimates of the special purpose account. AP CO PA PR

#### Main findings report of the Canadian Blood Pressure Survey

Ottawa : Dept. of National Health and Welfare, 1989. iii, 13 p. Bibliogr. French ed. (*Principaux résultats de l'étude...*) on the same fiche. ISBN 0-662-16798-8 MICROLOG 90-02202 1 fiche

Overview of the results of the Canadian Blood Pressure Survey, carried out in 1985 to provide a data base for program and policy development in the prevention and control of cardiovascular disease. This is the first national survey designed specifically to assess the problem of high blood pressure in Canada and was undertaken to determine the extent of the public's knowledge of high blood pressure as a risk factor, the prevalence of high blood pressure in the general population, the degree of control of those at risk, and treatment patterns and compliance. A sample of 3,092 non-institutionalized Canadian residents in 10 provinces, 18 years of age and over drawn from 1,727 households, were interviewed by registered nurses. Blood pressure measurements were made before and after the interview. The report discusses the socio-demographic characteristics of the participants and response rates, prevalence and control, detection, treatment and compliance, knowledge, and combined risk factors for cardiovascular disease. A methodology is included. CA HE

#### Mainly money : the cause of Canadian inflation

by D.E.W. Laidler and W.B.P. Robson. Toronto : C.D. Howe Institute, 1990. 16 p. : ill. Bibliogr. (Inflation monitor ; no. 4) ISSN 0824-801X MICROLOG 90-04616 1 fiche

With consumer price inflation continuing to run over 5 percent and wage increases accelerating, some commentators have concluded that the Bank of Canada's fight against inflation is not working or cannot work. This paper argues that, on the contrary, the links between Bank policies and inflation remain intact. After examining the longer-term associations in Canada between increases in the money supply, real economic growth, and changes in the inflation rate, the paper suggests that recent inflationary pressure in Canada can be traced back to the looseness

of monetary policy around 1987.

• CA CO

#### Maintaining seniors' independence : a guide to home adaptations

Ottawa : Canada Mortgage and Housing Corporation, 1989. v, 107 p. : ill. French ed. (*Maintenir l'autonomie des...*) : 90-05726/2. MICROLOG 90-05747 2 fiche

Identifies and evaluates minor home adaptations that are easy and inexpensive to carry out and that help older people to continue the routine activities of daily living with some degree of independence.

CA CI SA

#### Maintenir l'autonomie des personnes âgées : guide d'adaptation du domicile

Ottawa : Société canadienne d'hypothèques et de logement, 1989. v, 115 p. : ill. L'éd. anglaise (*Maintaining seniors' independence...*) : 90-05747/2. MICROLOG 90-05726 2 fiche

Il existe une relation directe entre le vieillissement et l'incapacité. Si la plupart des personnes âgées poursuivent leurs activités de la vie quotidienne avec un minimum d'efforts et de difficultés, pour certaines, le quotidien devient vite un défi. Ce document présente une étape qui comprend la création d'un questionnaire, appelé grille d'analyse, pour examiner les améliorations possibles à apporter au domicile et pour mettre à l'essai l'outil lui-même. Le document porte principalement sur le guide de l'utilisateur de la grille d'analyse et sur la grille d'analyse du domicile des personnes âgées en perte d'autonomie physique (schéma de conception). CA SA

#### Le Maintien de la paix et la gestion des conflits internationaux

par H. Wiseman. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1987. 10 p. (Exposé ; no 15) ISBN 0-662-94542-5 MICROLOG 90-04619 1 fiche

Ce document se penche sur la question du maintien de la paix et de la gestion des conflits internationaux. Il en fournit les points saillants et fait l'analyse de quelques principes et pratiques. • CA EX

#### Mais-grain, intérêt public : examen préliminaire des changements de la situation

Ottawa : Tribunal canadien du commerce extérieur, 1989. 42, 42 p. : ill. Bilingue (*Grain corn, public...*). CSI 22197.201. ISBN 0-662-57201-7 MICROLOG 90-03163 2 fiche

Ce document contient une liste des parties ayant présenté des exposés dans le cadre de l'examen préliminaire. En tout, 13 exposés favorisent une deuxième enquête exhaustive sur la question de l'intérêt public. Parmi les parties, on y retrouve un grand éventail de groupes intéressés dans l'enquête, tels les utilisateurs et les fabricants d'aliments agricoles pour le bétail et les utilisateurs industriels, de même que le ministère de l'Agriculture et de la Commercialisation de la Nouvelle-Ecosse, le ministère de l'Agriculture du Nouveau-Brunswick et le gouvernement des États-Unis. Le document se penche également sur les points suivants: les statistiques et l'analyse du marché du mais-grain; le sommaire des exposés; l'analyse; et, les conclusions. AG CA CO SC ST

#### Maisons de transition et d'hébergement pour femmes victimes de violence au Canada

Ottawa : Santé et bien-être social Canada, Direction générale des programmes de



service social, Division de la prévention de la violence familiale, Centre national d'information sur la violence dans la famille, 1989. 32 p. *Bilingue (Transition houses and shelters...)*. ISBN 0-662-56662-9  
MICROLOG 90-01691 1 fiche

Les maisons de transition accueillent temporairement les femmes et leurs enfants pour des périodes allant de quelques jours à quelques semaines, parfois même quelques mois. Le Centre national d'information sur la violence dans la famille a préparé la liste ci-jointe des maisons de transition et d'hébergement existantes pour femmes et enfants victimes de violence. Les maisons sont énumérées par province, et apparaissent dans l'ordre alphabétique selon la ville où elles sont situées. Les maisons sont classées par catégorie selon la durée du séjour.  
BS CA SA

## La Maîtrise de l'énergie : une question de technologie

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 45 p. : ill. *L'éd. anglaise (Mastering energy...) sur la même fiche.*  
MICROLOG 90-04355 2 fiche

Le monde énergétique de demain se construira grâce à une meilleure maîtrise de l'énergie. Nous y parviendrons par le développement et l'utilisation de technologies nouvelles plus efficaces; cela nous permettra de puiser à une plus grande diversité de ressources énergétiques. Nombreux sont les organismes et les entreprises pour qui l'avenir est déjà présent. Ce document les fait connaître au moyen de cette pochette qui en présente un aperçu.  
EN PR QU SC

## Major chemical accidents : are we prepared? -- Rev.

by R. Milko. Ottawa : Library of Parliament, Research Branch, 1989. 15 p. Bibliogr. (Current issue review ; 88-15E) *French ed. (Les Accidents chimiques...) on the same fiche.* ISBN 0-660-13320-2  
MICROLOG 90-01842 1 fiche

Review of the progress made for emergency prevention, preparedness and response in Canada. The paper begins with a definition of the issue, covers the potential for a major industrial accident, then describes the major preventative measures currently in place, including risk assessment, adequacy of reporting, legislation for accident prevention, and corporate preventive measures. Response mechanisms such as contingency planning and the use of buffer zones are described, as well as the establishment of the Major Industrial Accidents Coordinating Committee which held its first conference in 1987.  
CA CI EV SC

## Major ion chemistry of the pre-melt snowpack, Turkey Lakes Watershed, 1980-88

by R.G. Semkin...et al. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 17 p. : ill. Bibliogr. (NWRI contribution ; 89-160)  
MICROLOG 90-02448 1 fiche

The Turkey Lakes Watershed, located on the Precambrian Shield 60 km north of Sault Ste. Marie, Ontario, is the site of multi-disciplinary studies into the aquatic and terrestrial effects of the long range transport of air pollutants. As a consequence of the significant contribution of snowmelt to the hydrological flux and to the biogeochemical cycling of major ions and nutrients in the basin, long-term research was established to clarify the physical and chemical properties of the parent snowpack. Composite cores from the pre-melt snowpack were collected at 11 sites from 1981-88.  
CA EV LS ON SC

## Major ion dynamics of surface waters of varying hydrologic order

by G. Howell. Moncton, N.B. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Quality Branch, 1989. v, 132 p. : ill. Bibliogr.  
MICROLOG 90-03147 2 fiche

Kejimikujik National Park is situated in southwestern Nova Scotia and encompasses an area of approximately 377 sq km. Over the last decade, numerous lakes and rivers in this area were sampled to clarify the chemical response of systems which are sensitive to long range transport of acidic precipitation (LRTAP). As a result of these various sampling programs, there are high quality data sets available which can be used to address specific LRTAP related questions. This report considers the water chemistry seasonal dynamics of 10 surface waters and 1 well located within or near to the park. The surface water stations include 3 first order streams (Moose Pit Brook, Rodgers Brook, Atkins Brook), 3 streams draining one or more headwater lakes (West River, Mount Tom Brook, Whiteburn Brook), 2 higher order rivers (Mersey River, Little River) and 2 headwater lakes (Pebblelogitch Lake, Beaverskin Lake).  
● AP CA CU EV SC

## Major projects inventory, 1990

Regina : Buy Saskatchewan Agency, 1990. 42 p. *CSI 72227.001.*  
MICROLOG 90-05322 1 fiche

Listing of projects planned or underway in the province valued at \$2 million or more. The list is divided into industrial and resource development, commercial and institutional, and transportation and utility projects in preliminary planning, initial design and engineering and final design and construction stages. Each listing provides a short description of the project, the stage it is at, sponsor, location, budget, and construction period.  
CO MS PR

## Making a difference : the Canada land inventory

Ottawa : Canadian Wildlife Service, Sustainable Development Branch, 1988. 12 p. : ill., maps. (Fact sheet ; 88-5) ISBN 0-662-16305-2  
MICROLOG 90-00157 1 fiche

One of the most important sources of information about land capabilities nation-wide is the Canada Land Inventory (CLI). Launched as a federal-provincial cooperative venture in 1963 to support rural economic development programs, the CLI provided the first consistent measure of the renewable resource wealth of Canada. This factsheet reviews the CLI's contribution to resource management and land-use planning over the past 25 years and provides a brief overview of the inventory's key features, highlighting how and where the inventory has been applied. Finally, the CLI's national benefits and its future prospects are discussed.  
CA PL SC

## La Maladie de Lyme : un résumé des risques sur le plan professionnel

par J.A. Baxter. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 6 p. Bibliogr. ISBN 0-660-92674-1  
MICROLOG 90-04033 1 fiche

Cette maladie est un risque auquel sont exposées les personnes qui travaillent à l'extérieur, dans certains endroits infestés de tiques. Elle n'affecte pas tout le monde de la même façon: elle passe souvent inaperçue, mais elle peut aussi causer de graves problèmes. Non traitée, elle peut entraîner une incapacité. Il importe de connaître les signes et les symptômes de la maladie pour pouvoir la déceler et appliquer rapidement un

traitement. Il est tout aussi important de prendre de simples précautions pour réduire les risques de la contracter. Cette brochure fournit des renseignements sur la description de la maladie de Lyme, l'origine, la fréquence, les modes de transmissions, les professions à haut risque, les signes et symptômes, les épreuves de laboratoire, le traitement et la prévention.  
CA HE LA

## La Maladie du Raynaud : un résumé des risques sur le plan professionnel

par J.A. Baxter. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 7 p. Bibliogr. ISBN 0-660-92727-6  
MICROLOG 90-02175 1 fiche

La maladie de Raynaud, parfois appelée le phénomène ou le syndrome de Raynaud, est un trouble de la circulation sanguine dans les doigts. Elle affecte la réaction des doigts au froid, causant des attaques de "doigt mort" en réduisant considérablement l'irrigation sanguine. Dans les cas peu avancés, la vie sociale et les activités professionnelles de la victime sont parfois perturbées. Les cas plus graves peuvent entraîner une incapacité. Ce document fait la lumière sur cette maladie.  
● CA HE LS SC

## Maladies transmissibles au Nouveau-Brunswick, 1987

Nouveau-Brunswick. Service d'épidémiologie. Fredericton : Ministère de la santé et des services communautaires, 1988. 25, 25 p. *Bilingue. CSI 45125.002.*  
MICROLOG 90-02152 1 fiche

Ce rapport fait état des données sur l'incidence et la répartition des maladies transmissibles signalées au Service d'épidémiologie pendant la période du 1er janvier au 31 décembre 1987. Les taux d'incidence ont été calculés dans le cas de vingt maladies transmissibles. De plus, on fournit des données sur d'autres maladies transmissibles moins communes ou signalée dans plus d'une région de la santé en 1987 ainsi que des données sur la tuberculose.  
AP HE PR ST

## Male violence in relationships and the justice system

Moncton, N.B. : New Brunswick Advisory Council on the Status of Women, 1989. 34 p. Bibliogr. *Summary of the brief (7 p.) laid in. French ed. (La Violence masculine...) : 90-06500/1.*  
MICROLOG 90-05890 1 fiche

Presents a historical overview and a definition of the problem. It also describes what is known about the New Brunswick situation and discusses problems raised when applying the law. It proposes recommendations to improve the justice system's response to the problem.  
AP JU PR SA

## The Management and treatment of sex offenders : report

Canada. Working Group, Sex Offender Treatment Review. Ottawa : Solicitor General Canada, 1990. ii, 46 p. Bibliogr. *French ed. (Gestion et traitement...) : 90-03505/1.* ISBN 0-662-174645-6  
MICROLOG 90-03506 1 fiche

Review of existing sex offender treatment programs in Canada and the effectiveness of various programs in treating sex offenders, identification of promising strategies for R&D in this area, and recommendations concerning further development of treatment programs for sex offenders.  
● CA SA

## A Management model

by J.L. Manion. Ottawa : Canadian Centre for Management Development, 1989. 14, 14 p.



*Bilingual (Un Modèle de gestion).* ISBN  
0-662-56701-3  
MICROLOG 90-03216 1 fiche

This document discusses the following traits necessary for a Deputy Minister's success: leadership; sound organizational structure; motivated, competent and productive staff; high-quality service to clients; innovation; effective internal communications; and time management. CA PA

#### Management of government information holdings

Canada. Treasury Board. Administrative Policy Branch. Ottawa : The Branch, 1989. 27 p. *Bilingual (La Gestion des renseignements...).* MICROLOG 90-05915 1 fiche

Presents the policy objective and the policy statement. It also covers the application of the policy, policy requirements, and how the policy will be monitored. CA PA SC TE

#### Management of prairie rangeland

by S. Smoliak, W.D. Willms and N.W. Holt. Ottawa : Agriculture Canada, 1990. 37 p. : ill. Bibliogr. French ed. (*Gestion des parcours...*) on the same fiche. ISBN 0-662-17126-8  
MICROLOG 90-03502 1 fiche

Summary of available information on proper range management. Recommendations are based primarily on results of experimental studies since 1927 on rangelands and seeded pastures in southern Alberta and Saskatchewan. The publication covers soils and climate, number of livestock and size of pastures, vegetation associations, management to maintain yield, and pasture reserves. AG AL CA MS SC

#### Management of Saskatchewan park lands : a guide to Saskatchewan's park lands and how they are managed

Regina : Saskatchewan Parks and Renewable Resources. Parks Branch, 1990. ii, 13 p. : ill. MICROLOG 90-05871 1 fiche

This document reflects current legislation, regulation, and policy direction. It has been prepared to inform the public about Saskatchewan's park lands and how they are currently managed. It outlines: the Parks Act and why there are park lands; an overview of the park land system; how parks are managed; what kinds of facilities and activities are acceptable in park lands; and how development and land use proposals are evaluated. CU MS PR

#### Management of science and technology information projects supported by IDRC

record of a meeting of Science and Technology Information Project Managers ; prepared in conjunction with the Manitoba Institute of Management Inc. Ottawa : International Development Research Centre, 1989. xvi, 198 p. : ill. Bibliogr. (Manuscript report ; 230e)  
MICROLOG 90-00269 3 fiche (Available on fiche only)

The Information Sciences Division of the International Development Research Centre (IDRC), assists developing countries to develop and run appropriate information systems through the funding of projects negotiated with recipient institutions. One of the issues of importance to the Division has been the development of human resources, in particular within projects, in order to ensure the permanent strengthening of indigenous capabilities to carry out activities after the project has ended. To date however, the issue of project management has received little attention from the point of view of training. This

meeting therefore, sought to increase project management capacity and identify the weaknesses and gaps in knowledge required for better running of the projects. It also aimed to review the broad scope of STI projects and to lay the groundwork for greater mutual sharing of information, collaboration and cooperation amongst project managers. This document discusses the project management process, the project and its relationship with the IDRC, project management needs, project sustainability, and financial administration. A profile of STI projects is included. CA EX SC TE

#### Management of Solonchets soils -- Rev.

Edmonton : Alberta Agriculture, 1990. 11 p. : ill. (Agri-fax)  
MICROLOG 90-05951 1 fiche

Solonchets soils, often called burnout or gumbo soils, are characterized by a tough, impermeable hardpan that may vary from 5-30 cm or more below the surface. This pamphlet describes these soils, compares them to non-Solonchets soils, then describes their characteristics, occurrence, management and improvement. Farming equipment to use with this type of soil is also described. AG AL PR SC

#### Management of the large farrow-to-finish operation

Edmonton : Alberta Agriculture, Pork Industry Branch, 1989. 5 p. (Alberta pork production handbook)  
MICROLOG 90-00206 1 fiche

Note on the management of the large farrow-to-finish operation, including management, records, management and supervision of barn and office staff, feed programs, herd health programs, and maintenance programs; incentive programs and staff relations; and company operations and swine industry business. AG AL PR SC

#### Management plan for nitrogen oxides (NOx) and volatile organic compounds (VOCs) : for stakeholder consultation -- Draft.

Ottawa : Federal/Provincial Long Range Transport of Air Pollutants Steering Committee, 1990. xx, 219 p. : ill., maps. Bibliogr.  
MICROLOG 90-05927 3 fiche

The Council requested in October 1988 that a management plan be developed for the control of nitrogen oxides (NOx) and volatile organic compounds (VOCs) by October 1990. This document contains a draft of the NOx/VOC management plan which will undergo comprehensive stakeholder review in March and April 1990. The document describes the nature of the problem, current emissions, the principles and approach for allocating emission reductions, a regional analysis of reduction requirements, the main elements of the plan, its effectiveness, and its implementation. Preliminary costs are also included. • CA EV SC

#### A Management strategy for the eastern coyote *Canis latrans* in Fundy National Park

by L. Collingwood. Ottawa : Parks Canada, 1989. ii, 8 p.  
MICROLOG 90-06286 1 fiche

Outline of passive and active management strategies for the coyote within Fundy National Park. The strategies include increasing the data base on the population fluctuation and distribution through monitoring activities; providing information to the public on the eastern coyote; and protecting and maintaining the eastern coyote status in their natural habitat while still providing a strategy to deal

with a potential for coyote/human interaction. AP EV PR SC

#### Managing Canada's nuclear fuel wastes

Ottawa : Atomic Energy of Canada Limited, 1989. 44 p. : ill., maps. Bibliogr. French ed. (*La Gestion des déchets...*) on the same fiche.  
MICROLOG 90-02855 1 fiche

Description of the process of managing nuclear power wastes developed by Canada and Ontario, including the research program and its history, program participants and responsibilities, international cooperation, possible recycling, storage, environmental research, transportation, safety, review and public hearings, and options for the future. CA CI EN EV SC

#### Managing employment equity : an overview

Toronto : Ontario Women's Directorate, 1990. 9 p. : ill. Bibliogr. French ed. (*L'Équité en matière...aperçu*) on the same fiche. ISBN 0-7729-2468-6  
MICROLOG 90-04834 1 fiche

Introduces employers, in general terms, to the steps involved in establishing an employment equity program. CI LA ON PR

#### Managing employment equity : introduction to a series

Toronto : Ontario Women's Directorate, 1990. 9 p. Bibliogr. French ed. (*L'Équité en matière...introduction*) on the same fiche. ISBN 0-7729-2467-8  
MICROLOG 90-04831 1 fiche

This publication presents information on women in the workforce, the benefits of employment equity, an employment equity checklist, the employment equity management process, the management process, and the series on managing employment equity. CI LA ON PR

#### Managing employment equity : legislation, a guide for employers

Toronto : Ontario Women's Directorate, 1990. 13 p. Bibliogr. French ed. (*L'Équité en matière...lois...*) on the same fiche. ISBN 0-7729-2471-6  
MICROLOG 90-04832 1 fiche

This document specifies employment laws, and the implications of those laws for organizations. It focuses on the major areas of provincial and federal legislation that are relevant to women in the workplace. CI JU LA ON PR

#### Managing employment equity : organizational analysis

Toronto : Ontario Women's Directorate, 1990. 25 p. Bibliogr. French ed. (*L'Équité en matière...analyse...*) on the same fiche. ISBN 0-7729-2469-4  
MICROLOG 90-04833 1 fiche

Discusses the major tasks involved in organizational analysis including: establishing senior level commitment; assigning staff responsibilities; assessing the corporate environment; developing a communications strategy; collecting employment data; and reviewing personnel policies and practices. CI LA ON PR

#### Managing employment equity : organizational change and organizational impact

Toronto : Ontario Women's Directorate, 1990. 21 p. Bibliogr. French ed. (*L'Équité en matière...changement...*) on the same fiche. ISBN 0-7729-2470-8  
MICROLOG 90-04835 1 fiche



This booklet describes the steps that organizations can take to offer equal opportunity to their employees. It also outlines the methods that employers can use to ease their organizations into the transition.  
CI LA ON PR

### Managing hazardous waste

Toronto : Ontario Waste Management Corporation, 1989. 10, 10 p. : ill. *Bilingual (La Gestion des déchets...)*.  
MICROLOG 90-01880 1 fiche

This brochure defines hazardous wastes, the various types produced and their impact on the environment. It then describes what hazardous wastes are produced in Ontario and the use of the reduction, reuse, recycling and recovery options for dealing with them. The brochure concludes by describing the steps the province is taking to safely treat and dispose of the wastes.  
CI EV ON PR SC

### Managing international technology transfer : a strategic approach for developing countries

by K. Hoffman and N. Girvan. Ottawa : International Development Research Centre, 1990. ix, 312 p. Bibliogr. (Manuscript report ; 259e)  
MICROLOG 90-06137 4 fiche (Available on fiche only)

The core lectures presented in this document from the IDRC Science and Technology Policy Workshop Programme concentrate on exploring two themes. The first is that it is possible for Third World governments and firms consciously to devise policies that can both foster the process of accumulation of indigenous technological capacities and create conditions that allow effective deployment of these domestic capabilities to solve local problems. The second theme of the Workshop was concerned not with the formulation of policies but more with understanding the processes by which indigenous technological capacities could be created and accumulated.  
CA EX SC TE

### Managing wilderness in provincial forests : a policy framework

Victoria : Ministry of Forests, Integrated Resources Branch, Recreation Section, 1989. vii, 22 p. Bibliogr.  
MICROLOG 90-01769 1 fiche

This document begins by introducing the concept of wilderness and identifying the Forest Service's mandate for wilderness management. It then provides a framework for the Forest Service's wilderness program, including its purpose, objectives and provisions for wilderness research, inventory, planning and management. Policy direction is provided on such issues as public involvement, coordination of programs, geographic distribution, mining, impact on the forest industry, access management, commercial and public recreational use, management of fires, pest, fish, wildlife and use as range land, cultural and heritage values, information and education, and liability. A glossary of technical terms is also included.  
BC FO PR SC

### Manitoba. Attorney General : Annual report 1988-89

Winnipeg : The Dept., 1989. 81 p. : ill. *CSI 41122.001*.  
MICROLOG 90-06537 1 fiche

The Department is responsible for the integrity and improvement of the justice system in Manitoba. This annual report covers administration and finance, corrections, courts division, criminal justice, justice, legislation and legal translation, property rights, and boards and commissions. It includes a financial report and appendices on the court of Queen's Bench

offices, provincial court centres, acts administered, and addresses and telephone numbers of departmental branches, boards, and agencies.  
JU MS PA PR ST

### Manitoba. Bibliothèque de l'Assemblée législative : Rapport annuel 1987-88

Winnipeg : la Bibliothèque, 1988. 12, 12 p. *Bilingue. CSI 42126.001*.  
MICROLOG 90-00668 1 fiche

Document présentant le 103e rapport annuel de la Bibliothèque de l'Assemblée législative. On y fait état des diverses activités de la Bibliothèque de l'Assemblée législative et de ses réalisations au cours de l'année financière qui s'est achevée le 31 mars 1988.  
CU MS PR

### Manitoba. Business Development and Tourism : Annual report 1987-88

Winnipeg : The Ministry, 1988. 35 p. : ill. *CSI 41101.001*.  
MICROLOG 90-00813 1 fiche

Report contains an overview of the Department and the Strategic Planning and Policy Development, and Business and Regional Development Divisions. The document then reviews programs and sections which comprise Business Development and Travel Manitoba. A list of grant recipients by program and summaries of the Department's financial statements conclude the document.  
CO CU MS PR ST

### Manitoba. Civil Service Commission : Annual report 1988-89

Winnipeg : The Commission, 1989. 39 p. : ill. *CSI 42143.001*.  
MICROLOG 90-02923 1 fiche

The Commission implements the Civil Service Act which provides for the management, direction and administration of personnel matters within the government service. This annual report addresses program overviews, the human resources management division, the labour relations division, and the administrative services division.  
LA MS PA PR ST

### Manitoba. Civil Service Superannuation Board : Annual report 1988

Winnipeg : The Board, 1989. 46 p. : ill. *CSI 42144.001*.  
MICROLOG 90-00336 1 fiche

This annual report reviews and highlights the administrative and investment activities of the Board.  
CO MS PA PR ST

### Manitoba. Clean Environment Commission : Annual report 1987-88

Winnipeg : The Commission, 1988. iv, 30 p. *CSI 42145.001*.  
MICROLOG 90-03287 1 fiche

The Clean Environment Commission is a quasi-judicial regulatory body which, for the reporting period, issued orders defining limits, terms and conditions for operations that had the potential for the discharge of contaminants into the environment. This annual report describes the background to the establishment of the Commission, its composition and responsibilities; the programs and activities in air, water, and soil pollution control; investigations; and the state of the environment in general and specifically for forestry, agriculture, and aquatic systems. Also included are a list of regulations, public hearings held, and orders issued.  
EV MS PR SC

### Manitoba. Conseil de promotion de la coopération : Rapport annuel 1987-88

Winnipeg : le Conseil, 1988. 17, 17 p. *Bilingue. CSI 42149.001*.  
MICROLOG 90-01295 1 fiche

Ce document présente le rapport annuel du Conseil de la promotion de la coopération. Ce Conseil administre un fonds en fiducie au crédit duquel est porté l'intérêt provenant de l'investissement des fonds excédentaires de la première Commission canadienne du blé, que le gouvernement du Canada a répartis et dont le Manitoba s'est vu attribuer une partie. Le document présente également les états financiers.  
CO MS PR

### Manitoba. Consommation, corporations et coopératives Manitoba : Rapport annuel 1988-89

Winnipeg : le Ministère, 1989. 40, 36 p. *Bilingue. CSI 41103.001*.  
MICROLOG 90-01298 1 fiche

Les objectifs de Consommation, Corporations et Coopératives Manitoba sont de promouvoir le développement et la réglementation des coopératives, des crédit unions et des caisses populaires et de fournir une aide dans ces domaines, de répondre à toute une gamme de besoins sociaux et économiques; de renseigner la population; et de voir à ce que le marché favorise une concurrence loyale entre les entreprises. Ce document présente le rapport annuel du Ministère et donne les états financiers.  
CO MS PR ST

### Manitoba. Cooperative Loans and Loans Guarantee Board : Annual report 1987-88

Winnipeg : The Board, 1988. 11, 11 p. *Bilingue. CSI 42148.001*.  
MICROLOG 90-01296 1 fiche

The mandate of the Board is to ensure that cooperative organizations have access to the basic financial services necessary for the development and expansion of viable enterprises to achieve the greatest benefit through economic activity. The annual report reviews the activities of the Board and includes an auditor's report.  
CO MS PR

### Manitoba. Cooperative Promotion Board : Annual report 1987-88

Winnipeg : The Board, 1988. 17, 17 p. *Bilingue. CSI 42149.001*.  
MICROLOG 90-01295 1 fiche

This annual report lists members of the Board, reviews legislation and the Boards activities, and includes an auditor's report.  
CO MS PR

### Manitoba. Culture, patrimoine et loisirs Manitoba : Rapport annuel 1987-88

Winnipeg : le Ministère, 1988. 40, 40 p. : ill. *Bilingue. CSI 41106.001*.  
MICROLOG 90-02919 1 fiche

Ce document présente le rapport annuel de Culture, Patrimoine et Loisirs Manitoba, pour l'année financière terminée le 31 mars 1988. Il donne des renseignements sur la Division des services de soutien, la Division des programmes liés à la culture et au patrimoine; la Division des services de soutien communautaires; la documentation et l'information; la Division des services de communication; la recherche et la planification; les services de communication et d'information; les politiques des télécommunications, les Commissions et les organismes, et, les états financiers.  
CU MS PR



**Manitoba. Dept. of Consumer and Corporate Affairs : Annual report 1987-88**

Winnipeg : The Dept., 1988. 34, 31 p.  
Bilingual. CSI 41103.001.  
MICROLOG 90-00817 1 fiche

The objectives of the Ministry are to protect the public and maintain a marketplace in which businesses can compete fairly. This annual report reviews legislation administered and highlights the activities of the Ministry.  
CO MS PR ST

**Manitoba. Dept. of Cooperative, Consumer and Corporate Affairs : Annual report 1988-89**

Winnipeg : The Dept., 1989. 36, 40 p.  
Bilingual. CSI 41103.001.  
MICROLOG 90-01298 1 fiche

The purpose of the Ministry is to promote and assist in the development and regulation of cooperatives and credit. This annual report reviews the activities of the Ministry's Branches.  
CO MS PR ST

**Manitoba. Dept. of Industry, Trade and Technology : Annual report 1987-88**

Winnipeg : The Dept., 1988. 35 p.  
CSI 41116.001.  
MICROLOG 90-00814 1 fiche

Annual report of the Department, giving definitions of the various functions and an organization chart. The report presents information on the industry and trade branches, the health industry development initiative, the technology division, the information technology industry development, strategic planning and economic development, and corporations and community relations. Associated agencies such as the Manitoba Research Council and the Manitoba Trading Corporation are also covered. A financial statement is included.  
CO MS PR PS SC

**Manitoba. Développement coopératif Manitoba : Rapport annuel 1987-88**

Winnipeg : le Ministère, 1988. 20, 20 p. : ill.  
Bilingue. CSI 41104.001.  
MICROLOG 90-00334 1 fiche

Rapport annuel portant sur le développement coopératif au Manitoba, les énoncés de rôle et de mission, les responsabilités du ministre prévues par la loi, et une vue d'ensemble des diverses directions telles le développement, les services de gestion et la réglementation.  
CO MS PR ST

**Manitoba. Dyking Commissioner : Annual report 1989**

Winnipeg : The Commissioner, 1990. i, 36 p.  
CSI 41119.004.  
MICROLOG 90-06165 1 fiche

The Dyking Authority Act D110, passed in 1952, is meant to ensure that the dykes and pumping stations constructed subsequent to the 1950 flood are maintained in a state of readiness to combat future floods. Authority and control over dykes and pumping stations is invested with the city or rural municipality in which they are situated, but provision has been made for the appointment of a Dyking Commissioner with powers to inspect dykes and pumping stations and to order work to be undertaken to maintain an integrated system of flood defences as well as to establish the location of the line of defence. The annual report reviews general mandate and its changes, current issues, current action on issues, inspection of facilities, reports by the City of Winnipeg and the University of Manitoba, operation of pumping states and gates, additional works constructed and recommendations.  
MS PR PS PW SC

**Manitoba. Education Manitoba : Rapport annuel 1988-89**

Winnipeg : le Ministère, 1989. 97, 81 p. : cartes géogr. Bilingue. CSI 41107.001.  
MICROLOG 90-05279 2 fiche

Le rapport annuel du Ministère présente les activités de chaque Division pour l'année financière se terminant le 31 mars 1989. Le document contient aussi un sommaire des dépenses par poste budgétaire et des annexes présentant des statistiques diverses.  
ED MS PR ST

**Manitoba. Health Services Commission : Annual report 1988-89**

Winnipeg : The Commission, 1989. 74 p. : ill.  
CSI 42119.001.  
MICROLOG 90-01293 1 fiche

This annual report reviews the Commission's programs, explains its organization and provides relevant statistics, financial statements and the auditor's report.  
CO HE MS PR ST

**Manitoba. Health Services Commission : Capital program, 1989-90**

Winnipeg : The Commission, 1989. 15 p.  
CSI 42119.013.  
MICROLOG 90-02955 1 fiche

Contains capital program estimates, and schedules which show projects in construction, projects approved for construction, projects approved for architectural planning, projects awaiting government review, projects approved for functional programming, and facilities for future consideration as projects.  
CO HE MS PR SC

**Manitoba. Law Reform Commission : Annual report 1988-89**

Winnipeg : The Commission, 1989. 18 p.  
CSI 42158.001.  
MICROLOG 90-01303 1 fiche

This annual report presents operational observations, and describes the Commission's programme, and public relations. It also lists the reports of the Commission.  
JU MS PR

**Manitoba. Legislative Library : Annual report 1987-88**

Winnipeg : The Library, 1988. 12, 12 p.  
Bilingual. CSI 42126.001.  
MICROLOG 90-00668 1 fiche

This document contains general background information on the Library, and discusses the collections, technical services, information services, and publications. It includes a statistical summary.  
CU MS PR

**Manitoba. Liquor Control Commission : Annual report 1988-89**

Winnipeg : The Commission, 1989. 35 p. : ill.  
CSI 42159.001.  
MICROLOG 90-00810 1 fiche

The Commission is responsible for the purchase, sale, and control of beverage alcohol of high quality, throughout the province. This annual report reviews retail operation, purchasing, licensing, and finance. It includes financial statements.  
CO MS PA PR ST

**Manitoba. Manitoba Cooperative Development : Annual report 1987-88**

Winnipeg : The Ministry, 1988. 20, 20 p. : ill.  
Bilingual. CSI 41104.001.  
MICROLOG 90-00334 1 fiche

The role of Manitoba Cooperative Development is to promote and assist in the development of cooperatives and to administer a regulatory

framework which oversees the operations and affairs of cooperatives, credit unions and caisses populaires. This annual report presents an overview of the organization and its Branches, and specifies the statutory responsibilities of the minister.  
CO MS PR ST

**Manitoba. Manitoba Culture, Heritage and Recreation : Annual report 1987-88**

Winnipeg : The Ministry, 1988. 40, 40 p. : ill.  
Bilingual. CSI 41106.001.  
MICROLOG 90-02919 1 fiche

This annual report supplies divisional reports, and reviews research and planning, communications and information services, and the telecommunications policy. It lists boards and agencies, and contains financial statements.  
CU MS PR

**Manitoba. Manitoba Education : Annual report 1988-89**

Winnipeg : The Ministry, 1989. 81, 97 p. : maps. Bilingual. CSI 41107.001.  
MICROLOG 90-05279 2 fiche

Report on the activities for the year, of the Divisions under the jurisdiction of the Ministry: Administration and Finance, Program Development and Support Services, Post-Secondary, Adult and Continuing Education, Bureau de l'éducation française, and the Frontier School Division. Includes expenditure summary by appropriation and selected statistics on enrolment, French programs, school divisions' revenue and expenditure, Student Aid Branch loans and bursaries, and community college productivity and enrolment.  
ED MS PR ST

**Manitoba. Manitoba Energy and Mines : Annual report 1988-89**

Winnipeg : The Ministry, 1989. 61 p. : ill.  
Bibliogr. CSI 41109.001.  
MICROLOG 90-03896 1 fiche

Annual report of the Ministry, covering energy management and renewable and alternative energy programs, the Manitoba Energy Council, geological services, mining and the mining industry, the petroleum industry, the Oil and Natural Gas Conservation Board, and policy and planning for the various divisions. An organizational chart and short financial summary are included.  
EN MS NR PR SC ST

**Manitoba. Manitoba Finance : Annual report 1987-88**

Winnipeg : The Ministry, 1988. 28 p.  
CSI 41111.015.  
MICROLOG 90-00815 1 fiche

This annual report contains an overview of the Department and provides divisional reports. It includes an expenditure summary by appropriation.  
CO MS PA PR

**Manitoba. Manitoba Government Services : Annual report 1987-88**

Winnipeg : The Ministry, 1988. 62 p. : ill.  
CSI 41112.001.  
MICROLOG 90-00673 1 fiche

The Ministry is charged with responsibility for providing a wide range of central support services to government programs. This annual report reviews the activities of administration, property management, supply and services, and project services.  
MS PA PR ST

**Manitoba. Manitoba Government Services : Annual report 1988-89**

Winnipeg : The Ministry, 1989. 61 p. : ill.  
CSI 41112.001.  
MICROLOG 90-05508 1 fiche



Manitoba Government Services is charged with responsibility for providing a wide range of central support services to government programs. Services fall under the general categories of central supply, and property services. This annual report reviews the Ministry's administration and services.  
CO MS PA PR ST

#### **Manitoba. Manitoba Health : Annual report 1987-88**

Winnipeg : The Ministry, 1989. x, 56 p. : ill. *CSI 41113.001.*  
MICROLOG 90-01286 1 fiche

This annual report reviews the activities of the Ministry's various Divisions. It includes statistics on population, administration and finance, community health services, the provincial gerontologist, and mental health services.  
HE MS PR

#### **Manitoba. Manitoba Highways and Transportation : Annual report 1988-89**

Winnipeg : The Ministry, 1989. 291 p. : ill. *CSI 41114.001.*  
MICROLOG 90-05058 3 fiche

Annual report of the Department, presenting details of its operations in these areas: construction and maintenance; planning, design and land surveys; engineering and technical services; transportation policy and research; driver and motor vehicle licensing; the Highway Traffic Board; the Licence Suspension Appeal Board; the Motor Transport Board; and the Taxicab Board. An organization chart is also included.  
MS PR SC TR

#### **Manitoba. Manitoba Urban Affairs : Annual report 1988-89**

Winnipeg : The Ministry, 1989. 29, 30 p. : ill. *Bilingual. CSI 41121.002.*  
MICROLOG 90-05280 1 fiche

The Ministry is responsible for the development and maintenance of the legislative, financial, and planning framework that will effectively meet the needs of the citizens of Winnipeg. This annual report outlines the major activities and accomplishments of the Ministry.  
MS MU PR ST

#### **Manitoba. Mental Health Review Board : Annual report 1988-89**

Winnipeg : Manitoba Health, 1989. 5 p. *CSI 41113.005.*  
MICROLOG 90-03900 1 fiche

The Board hears appeals regarding any aspect of the admission or treatment of a patient in a psychiatric facility. This annual report outlines the activities and procedures of the Board.  
HE MS PR

#### **Manitoba. Milk Prices Review Commission : Annual report 1987-88**

Winnipeg : The Commission, 1988. 30 p. *CSI 42130.001.*  
MICROLOG 90-00290 1 fiche

This annual report covers producer matters; processor, jobber, and retailer matters; and internal matters. It includes financial statements.  
AG CO MS PR SC

#### **Manitoba. Milk Recording Services : Annual report 1988**

Winnipeg : The Services, 1989. 72 p. *CSI 42140.003.*  
MICROLOG 90-02917 1 fiche

This annual report provides a complete listing of all herds enrolled on the Federal Record of Performance, Official D.H.I.A., Regular D.H.I.A., and Owner Sampler programs. Summary data

is included for 1986 and 1987 only.  
AG MS PR SC

#### **Manitoba. Ministère de la consommation et des corporations : Rapport annuel 1987-88**

Winnipeg : le Ministère, 1988. 31, 34 p. *Bilingue. CSI 41103.001.*  
MICROLOG 90-00817 1 fiche

Les objectifs de Consommation et Corporations Manitoba sont de protéger la population, et de voir à ce que le marché favorise une concurrence loyale entre les entreprises. Cette double mission vise l'amélioration des transactions entre les entreprises et les consommateurs, et un développement économique accru. Le document fournit l'organigramme, les lois et règlements que le Ministère est chargé d'appliquer, ainsi que les données sur l'Office des consommateurs, les corporations et les services administratifs.  
CO MS PR ST

#### **Manitoba. Ministère des affaires urbaines : Rapport annuel 1988-89**

Winnipeg : le Ministère, 1989. 30, 29 p. : ill. *Bilingue. CSI 41121.002.*  
MICROLOG 90-05280 1 fiche

Affaires urbaines Manitoba est chargé de l'élaboration et de l'administration des structures devant répondre aux besoins des citoyens de Winnipeg sur le plan de la législation, des finances et de la planification. Le rapport annuel se penche particulièrement sur: les pouvoirs conférés par la Loi; le sommaire financier; la direction de l'administration et des finances; la direction de la coordination des politiques d'urbanisme; l'entente sur le centre de Winnipeg; la corporation de développement du nord de l'avenue Portage; l'Accord Canada-Manitoba au sujet de la récréation et de la conservation sur le couloir de la rivière Rouge; et, la corporation de réaménagement de La Fourche.  
MS MU PR ST

#### **Manitoba. Municipal Board : Annual report 1989**

Winnipeg : The Board, 1990. 41 p. *CSI 42164.001.*  
MICROLOG 90-04927 1 fiche

The report contains a list of members, and a statement of revenue. A statistical summary of applications, appeals and referrals for 1989 is given for the acts which permit appeals to the board. These acts include the Municipal Act, the Municipal Assessment Act, the Planning Act and the Water Rights Act. The document also lists municipal borrowing by-laws authorized in 1989 with the amount, rate of interest, term, and purpose of the loan.  
MS MU PA PR

#### **Manitoba. Municipal Employees Benefits Board : Annual report 1987-88**

Winnipeg : The Board, 1988. 44 p. : ill. *CSI 42165.001.*  
MICROLOG 90-00816 1 fiche

Provides report highlights, and reviews the municipal employees benefits program and actuarial studies. It contains financial statements.  
LA MS MU PA PR ST

#### **Manitoba. Office des prêts et de garantie de prêts aux coopératives : Rapport annuel 1987-88**

Winnipeg : l'Office, 1988. 11, 11 p. *Bilingue. CSI 42148.001.*  
MICROLOG 90-01296 1 fiche

L'une des principales tâches de l'Office est de veiller à ce que les coopératives aient accès aux services financiers essentiels dont elles ont besoin pour établir des entreprises viables et

en assurer l'essor, et puissent ainsi profiter au maximum de leurs activités économiques. Ce document présente le rapport annuel de l'Office ainsi que les états financiers.  
CO MS PR

#### **Manitoba. Office of the Chief Medical Examiner : Annual review 1987**

Winnipeg : The Office, 1988. 19 p. *CSI 41122.004.*  
MICROLOG 90-02931 1 fiche

The system has been both legislatively and operationally implemented and fully replaced the Coroner system. This document reviews types of death investigated and certified, inquests, and judicial recommendations.  
HE MS PR ST

#### **Manitoba. Office of the Ombudsman : Annual report 1988**

Winnipeg : The Office, 1989. 111 p. *CSI 42167.001.*  
MICROLOG 90-00808 2 fiche

This annual report includes highlights of the past six years, and reviews the Manitoba Developmental Centre, the Manitoba Public Insurance Corporation, public relations, and complaint statistics. It includes selected case summaries, a complete list of complaints, and the Ombudsman Act.  
JU MS PA PR ST

#### **Manitoba. Office of the Ombudsman : Annual report 1988 : Freedom of Information Act**

Winnipeg : The Office, 1989. 22 p. *CSI 42167.002.*  
MICROLOG 90-00809 1 fiche

Includes an overview of the Act, and discusses the investigation of complaints, the access guide, terminology of concluding complaints, and accessibility to information relative to Ombudsman investigation. It includes statistical information, and case summaries.  
JU MS PA PR

#### **Manitoba. Public Schools Finance Board : Annual report 1988**

Winnipeg : The Board, 1989. 16 p. *CSI 42175.001.*  
MICROLOG 90-01288 1 fiche

Describes major capital construction projects initially approved in 1988 identifying the school division and school, the project, and the estimated total costs. It also specifies school debentures purchased by the Minister of Finance during 1988. Provides financial statements.  
CO ED MS PR

#### **Manitoba. Public Utilities Board : Annual report 1988**

Winnipeg : The Board, 1989. 46 p. : ill. *CSI 42176.001.*  
MICROLOG 90-00338 1 fiche

This annual report lists the responsibilities of the Board, and provides a summary of board activities. It also reviews natural gas distribution utilities, propane gas distribution utilities, the Manitoba Telephone System, the Manitoba Hydro Act, the Manitoba Public Insurance Corporation, the Municipal Act, the Highways Protection Act, the Prearranged Funeral Services Act, and the Cemeteries Act.  
CO MS PR PW ST

#### **Manitoba. Standing Committee on Medical Manpower : Annual report 1987**

Winnipeg : Manitoba Health Services Commission, 1988. 47 p. *CSI 42119.006.*  
MICROLOG 90-03042 1 fiche

This document discusses physician supply, women in medicine, the need for physicians, the urban oversupply, specialty services to



rural Manitoba, incentive programs, the evaluation of incentive programs, placement services, immigration policies, and the refugee physicians training program. It includes a schedule of expenditures.  
HE LA MS PR ST

**Manitoba. Standing Committee on Medical Manpower : Annual report 1988-89**

Winnipeg : Manitoba Health Services Commission, 1989. 46 p. *CSI 42119.006*.  
MICROLOG 90-03910 1 fiche

Annual report of the Standing Committee for January 1, 1988-March 31, 1989. The report covers the supply of physicians in both Canada and Manitoba, women in medicine, the need for physicians, the urban oversupply, specialty services to rural areas, description and evaluation of incentive programs, place services, locums tenens, immigration policies, and the refugee physicians training program. A financial statement is included.  
HE MS PR SC ST

**Manitoba. Surface Rights Board : Annual report 1988-89**

Winnipeg : The Board, 1989. 9 p. *CSI 42179.001*.  
MICROLOG 90-00811 1 fiche

This annual report explains the purpose of the Surface Rights Act, and the powers of the Board. It reviews Board activities, includes a five year activity summary, and lists Board orders issued.  
MS NR PR SC

**Manitoba : progress in literacy**

Winnipeg : Manitoba Education, Adult and Continuing Education, 1988. 34 p. *MicroLOG 90-01124* 1 fiche

Presents the history and development of literacy work, the principles of literacy work, its current status, and future strategies. It provides recommendations and conclusions.  
CI ED MS PR SA

**Manitoba Advisory Council on the Status of Women : Annual report 1988-89**

Winnipeg : The Council, 1989. iii, 22 p. *CSI 42202.001*.  
MICROLOG 90-01291 1 fiche

This annual report lists the members of the Council, and presents the Council's recommendations. It discusses community involvement and future directions. Includes financial statements.  
MS PR SA

**Manitoba aerospace technology : capability directory**

Manitoba Aerospace Technology Program. Winnipeg : The Program, 1989. 36 p. *CSI 42227.001*.  
MICROLOG 90-06253 1 fiche

The Manitoba government launched the Manitoba Aerospace Technology Program to make available all information pertaining to the federal, NASA and other program requirements, as well as information integral to the proper completion of tendering applications. This directory lists organizations in the areas of remote sensing/communications; electronics/biotechnology/software; metals and composites/fabrication; materials/coatings/heat treating; engineering consultants/R&D labs; and project management. Each entry gives a contact, a description of the organization, its featured equipment and facilities, the major clients and the number of employees. An alphabetical index of all organizations is included.  
MS PR PS SC TE

**Manitoba agricultural review, 1988**

Winnipeg : Manitoba Agriculture, Economics Branch, 1989. 19 p. : ill. *CSI 41100.009*.  
MICROLOG 90-00839 1 fiche

Review of primary agriculture and the impact of agriculture on the provincial economy using data from both federal and provincial sources. The review covers land resources; farms and farmers, their income and financial difficulties; efficiency; capital investment and other expenditures; production of crops and livestock; and trade. The impact of agriculture on the economy includes the contribution of food processing, agricultural industries, and the service sector. Data is generally given for the last 10 years.  
AG CO MS PR ST

**Manitoba agriculture yearbook, 1988**

Winnipeg : Manitoba Agriculture, 1989. 130 p. *CSI 41100.004*. ISSN 0084-3865  
MICROLOG 90-05610 2 fiche

Annual report containing current and historical data from 1954 to July 31, 1989 from Statistics Canada and Manitoba Agriculture. A review of the year is given, followed by detailed information on crops, livestock, fur trading, forest products, honey and alfalfa leafcutter bees, resources, and weather. Sources and methods are also included.  
AG MS PR ST

**Manitoba Arts Council : Annual report 1988-89**

Winnipeg : The Council, 1989. 56 p. *Bilingual. CSI 42106.001*.  
MICROLOG 90-05278 1 fiche

The Council meets to design arts policy and programs and to screen applications for financial assistance to the artistic community. The annual report contains the Chairman's review of the year's activities and general funding trends. The report also includes grants to organizations, by type of artistic endeavour, grants to the Artists in Schools Program, funding to creative arts, performing arts, writers and playwrights, visual arts, new technologies in the arts, exhibition funding, student aid, touring program funding, arts development, and includes a brief description of the Gaming Fund Commission's activities. The report also contains financial statements.  
CU MS PR

**Manitoba Beef Cattle Seminar : proceedings**

Manitoba Beef Cattle Seminar (1990 : Brandon, Man.). Winnipeg : Dept. of Agriculture, 1990. 44 p. : ill. Bibliogr.  
MICROLOG 90-04933 1 fiche

Papers presented at the seminar, covering calving difficulties, trace mineral studies, trace mineral interaction, and trace mineral problems.  
AG MS PR SC

**Manitoba Beef Commission : Annual report 1987-88**

Winnipeg : The Commission, 1988. 18 p. *CSI 42107.001*.  
MICROLOG 90-00284 1 fiche

This annual report presents the Commission's objectives and history, and discusses the stabilization plan, participation in the Commission, operating details, unfinished marketing, and the Manitoba Agriculture Credit Corporation.  
AG CO MS PR

**Manitoba business structure, 1982-89**

Winnipeg : Manitoba Bureau of Statistics, 1990. 31 p. : ill. *CSI 42108.223*.  
MICROLOG 90-07238 1 fiche

This report illustrates the composition of the Manitoba economy in terms of the number of

establishments. It includes an industry analysis, a regional analysis, and an employment analysis.  
CO MS PR ST

**Manitoba business structure, 1989**

Winnipeg : Bureau of Statistics, 1989. 31 p. : ill. *CSI 42108.016*.  
MICROLOG 90-00828 1 fiche

This report illustrates the composition of the Manitoba economy in terms of the number of establishments presented by: industry sector and employment size for January, 1989; industry sector and region for January, 1989; region for January, 1988 and 1989; employment size and region for January, 1989; and employment size for January, 1988 and 1989.  
CO MS PR ST

**Manitoba Cancer Treatment and Research Foundation : Annual report 1988**

Winnipeg : The Foundation, 1989. 137 p. : ill. *Statistics (103 p.) laid in. CSI 42184.001*.  
MICROLOG 90-05285 3 fiche

Annual report of the Foundation, documenting patient care, support services, educational programs and research. A supplement contains the cancer incidence and mortality statistics for the province for the year. A financial statement is included.  
HE LS MS PR SC ST

**Manitoba Centennial Centre Corporation : Annual report 1988-89**

Winnipeg : The Corporation, 1989. 20 p. *CSI 42194.001*.  
MICROLOG 90-05138 1 fiche

The Corporation manages the Centennial Concert Hall and its related programs and presentations in the visual and performing arts, as well as the maintenance and development of the buildings and properties of the Centennial Centre. The annual report includes capital spending and financial statements.  
CU MS PR

**Manitoba Conference on Aging : fiction fact and the future : status of recommendations**

Winnipeg : Manitoba Council on Aging, 1989. 26 p. *MicroLOG 90-04955* 1 fiche

The objectives of the Conference were to increase awareness of the realities of aging and of the need for policies and practices that promote the dignity, equality, and independence of older Manitobans, and encourage their active participation in civic life. The Conference consisted of workshops covering 18 topic areas and produced 174 recommendations. This report monitors the status of these Conference recommendations and identifies those that should continue to be pursued.  
MS PR SA

**Manitoba Crop Insurance Corporation : Annual report 1987-88**

Ottawa : Agriculture Canada : Winnipeg : Manitoba Agriculture, 1988. 30 p. : ill. *CSI 42109.001*.  
MICROLOG 90-00286 1 fiche

This annual report presents information on financial contributions, the 1987 crop conditions, the monthly summary of precipitation, the all risk program, additional hail insurance, the all risk insurable crops and options, insurable options, the livestock feed security program, waterfowl crop damage, and the compensation program. It includes the report of the provincial auditor.  
AG CO MS PR SC



**Manitoba Development Corporation : Annual report 1988-89**

Winnipeg : The Corporation, 1989. 18 p. *CSI 42111.001.*  
MICROLOG 90-04940 1 fiche

This annual report presents a balance sheet, a statement of operations and deficit, a statement of revenue and expenditure, a summary of loans receivable, a summary of equity investments, allowance for losses on investment, a statement of divestiture costs of Flyer Industries Ltd., a report of assistance granted or to be granted, and notes to the financial statements.  
CO MS PA PR

**Manitoba economic accounts : 1988 economic performance : detailed report**

Winnipeg : Manitoba Bureau of Statistics, 1990. 64 p. : ill. *CSI 42108.014.*  
MICROLOG 90-05105 1 fiche

The document comments on trends of the province's Gross Domestic Product and its components with comparisons of performance and growth between the current and previous year.  
CO MS PR ST

**Manitoba economic accounts : 1989 economic performance : detailed report**

Winnipeg : Manitoba Bureau of Statistics, 1990. 66 p. : ill. *CSI 42108.014.*  
MICROLOG 90-07227 1 fiche

The document comments on trends of the province's Gross Domestic Product and its components with comparisons of performance and growth between the current and previous years, 1981-89.  
CO MS PR ST

**Manitoba economic statistics**

Winnipeg : Manitoba Finance, 1989. 29 p. *CSI 41111.004.*  
MICROLOG 90-00818 1 fiche

This document discusses economic performance; population and the labour market; prices and incomes; investment; business conditions; and sectoral developments.  
CO MS PR ST

**Manitoba Energy Authority : Annual report 1988-89**

Winnipeg : The Authority, 1989. 15 p. *CSI 42114.001.*  
MICROLOG 90-00831 1 fiche

The Manitoba Energy Authority is responsible for investigating potential extra-provincial markets for electrical energy. It also negotiates or directs negotiations for the sale or purchase of electrical energy exported from or imported to the province. This annual report reviews the activities of the Authority and provides financial statements.  
CO EN MS PR SC

**Manitoba Environmental Council : Annual report 1988-89**

Winnipeg : The Council, 1990. 50 p. Bibliogr. *CSI 42115.001.*  
MICROLOG 90-06233 1 fiche

Annual report of the Council, including the annual meeting. An overview of the year's activities is presented, with detailed regional and technical committee reports, briefs presented by the Council and responses, publications, membership, and brief financial data.  
EV MS PR SC

**Manitoba facts, 1989**

Winnipeg : Manitoba Culture, Heritage and Recreation, Information Services, 1989. 40 p. : ill., map. *CSI 41106.002.* ISSN

0300-5348  
MICROLOG 90-00804 1 fiche

Covers history and geography, the economy, transportation and communications, government, resources, tourism, recreation, and culture.  
CO CU MS PR ST

**Manitoba Farm Lands Ownership Board : Annual report 1988-89**

Winnipeg : The Board, 1989. 3 p. : ill. *CSI 42190.001.*  
MICROLOG 90-02774 1 fiche

The Board is responsible for the administration and enforcement of the Farm Lands Ownership Act. This annual report summarizes Board activities.  
AG CO MS PR SC

**Manitoba Film Classification Board : Annual report 1987-88**

Winnipeg : The Board, 1988. 13, 13 p. *Bilingual. CSI 42116.001.*  
MICROLOG 90-00335 1 fiche

The Board provides viewing information guidelines to the public using classifications whose purpose is to restrict public access to material on the basis of age. This annual report covers Board operations, and new business. It includes an inspection report, and a statement of revenue and expenditure.  
CU MS PR

**Manitoba firearm accidents report : hunting and non-hunting, 1989 : Hunter and Firearm Safety Program**

Winnipeg : Manitoba Natural Resources, 1990. 13 p. *CSI 41119.002.*  
MICROLOG 90-05286 1 fiche

This document outlines firearm accidents occurring in 1989 with brief causal descriptions of type of firearm used, time of day, day and month of occurrence, and other information along with comparisons to previous year.  
CU JU MS PR ST

**Manitoba food products directory, 1990**

Winnipeg : Dept. of Agriculture, 1990. 49 p. : ill. *CSI 41100.007.*  
MICROLOG 90-04936 1 fiche

Comprehensive list of food suppliers, brokers, wholesalers and distributors, producer associations and marketing boards plus research resources. Listings contain addresses, telephone numbers, telex and/or fax numbers, company contacts and product lists. Product listings are given alphabetically by supplier/broker.  
AG MS PR SC ST

**Manitoba Health Research Council : Annual report 1988-89**

Winnipeg : The Council, 1989. 23 p. *CSI 42118.001.*  
MICROLOG 90-00830 1 fiche

This annual report contains a 1988-89 fiscal overview, a financial statement, and committee reviews. It includes a list of operating grants, equipment grants, and personnel awards.  
HE LS MS PR SC

**Manitoba Health Services Commission. Laboratory and X-ray Services Division : Annual report 1988-89**

Winnipeg : The Division, 1989. 67 p. Bibliogr. *CSI 42119.003.*  
MICROLOG 90-02925 1 fiche

This annual report includes a personnel report, and a review of external committee activities, the Cadham provincial laboratory, the rural laboratory and x-ray units, education, and publications. It also includes statistical tables.  
HE MS PR

**Manitoba Horse Racing Commission : Annual report 1988-89**

Winnipeg : The Commission, 1989. 15 p. *CSI 42121.001.*  
MICROLOG 90-00832 1 fiche

This annual report reviews thoroughbred racing, standardbred racing, and quarter horse racing. It covers rulings, fines, and appeals, and discusses drug control. Contains statistical information.  
CU MS PR ST

**Manitoba Human Rights Commission : Annual report 1988**

Winnipeg : The Commission, 1989. 45 p. : ill. *CSI 42122.001.*  
MICROLOG 90-00805 1 fiche

The Commission is authorized to accept and investigate complaints of discrimination and settle substantiated complaints. This annual report includes an overview of 1988 activities, presents sample complaints, and provides statistical information on Commission activities.  
JU MS PR ST

**Manitoba Hydro : Annual report 1988-89**

Winnipeg : The Corporation, 1989. 42 p. : ill. *CSI 42123.001.* ISSN 0460-9581  
MICROLOG 90-00350 1 fiche

The mandate of the Corporation is to provide for the continuance of a supply of power adequate for the needs of the province. This annual report reviews electrical production, system development, electricity exports, research and development, environmental services, and safety. It includes financial information and statistics.  
CO EN MS PR PW SC

**Manitoba Hydro : Annual report 1989-90**

Winnipeg : Manitoba Hydro, 1990. 48 p. : ill. *CSI 42123.001.* ISSN 0460-9581  
MICROLOG 90-06391 1 fiche

Annual report of the Board, presenting financial and operating highlights for the year, with more detailed information on production, system development, research and development, and safety. A detailed financial report and statistics are also included.  
EN MS PR SC

**The Manitoba Hydro application for an order approving an increase in its existing rates effective April 1, 1990**

Winnipeg : Public Utilities Board, 1990. 53 p. *CSI 42123.001.*  
MICROLOG 90-03413 1 fiche

This publication lists appearances, witnesses for Manitoba Hydro, Witnesses for intervenors, and presenters. It discusses the general rate application, and includes recommendations and orders.  
EN MS PA PR

**Manitoba insect control guide, 1990**

compiled by A.J. Kolach and J. McCullough. Winnipeg : Manitoba Agriculture, 1990. 52 p. : ill. *CSI 41100.014.*  
MICROLOG 90-03899 1 fiche

Quick reference to the 1990 chemical insect control recommendations of the province, based on those established by the Western Committee on Crop Pests and the Western Committee on Livestock Pests. Both common and trade names are used. In addition to information for specific livestock and crop pests, general and background information is given on the proper and safe handling of insecticides, seed treating, and aerial and ground spraying.  
AG MS PR SC



**Manitoba Labour Board : Annual report 1987-88**

Winnipeg : The Board, 1988. 46 p.  
CSI 42203.001.  
MICROLOG 90-00670 1 fiche

This annual report presents a summary of significant Board decisions pursuant to the Labour Relations Act, the Payment of Wages Act, and the Employment Standards Act. It also includes a summary of significant court decisions, publications, and expenditures.  
LA MS PR ST

**Manitoba Labour Board : Annual report 1988-89**

Winnipeg : The Board, 1989. 40 p. Bibliogr.  
CSI 42203.001.  
MICROLOG 90-05499 1 fiche

The Board is responsible for the adjudication of matters referred under The Labour Relations Act, The Workplace Safety and Health Act, and The Pay Equity Act. The Board also acts as a wages board or adjudicating body for the administration of The Payment of Wages Act, The Employment Standards Act, The Construction Industry Wages Act, The Vacation with Pay Act, and The Remembrance Day Act. This annual report reviews the years activities, lists available publications, and presents highlights of Board decisions. It also summarizes expenditure and court activity and supplies statistical tables together with a review of cases.  
LA MS PR ST

**Manitoba Labour-management Review Committee : Annual report 1987**

Winnipeg : The Committee, 1988. 16 p.  
CSI 42185.001.  
MICROLOG 90-00354 1 fiche

Describes the origin and background of the Committee, its purpose, statement of principles, membership and method of operation, committee activities for 1987, and essential services agreements in health care facilities signed to date.  
LA MS PR

**Manitoba Lotteries Foundation : Annual report 1988-89**

Winnipeg : The Foundation, 1989. 30 p.  
CSI 42128.001  
MICROLOG 90-01311 1 fiche

The Foundation is responsible for the management and operation of lottery schemes on behalf of the province and the licensing of charitable and religious organizations to conduct gaming activities. This annual report contains a review of the Foundation's Divisions. It includes an auditor's report.  
CO CU MS PR

**Manitoba Milk Producers' Marketing Board : Annual report 1988-89**

Winnipeg : The Board, 1989. 59 p. : ill.  
CSI 42131.001.  
MICROLOG 90-02922 1 fiche

Annual report for 1988-89 of the Board, presenting information on operations, production and marketing data, the monthly quota exchange, and dairy promotions, including the school milk program. Data is presented on milk production, sales and revenues, prices paid by processors, federal dairy product support prices, and federal subsidies payable on industrial milk deliveries, both current and historical. A financial statement is included, along with relevant regulations and extracts from the Manitoba Gazette.  
AG CO MS PR

**Manitoba Mineral Resources Ltd. : Annual report 1988**

Winnipeg : The Corporation, 1989. 19 p.  
CSI 42132.001.  
MICROLOG 90-00339 1 fiche

This annual report covers the Trout Lake mining operations and exploration operations, and includes the provincial auditor's report with financial statements.  
CO MS NR PR PS SC ST

**Manitoba Mineral Resources Ltd. : Annual report 1989**

Winnipeg : The Corporation, 1990. 19 p.  
CSI 42132.001.  
MICROLOG 90-06235 1 fiche

The Corporation acts as a catalyst in fostering exploration and development of Manitoba's mineral resources. This annual report presents the results of the year's mining and exploration operations. An overview is given of financial results, mining and exploration operations and personnel, with more detailed information on mining operations at Trout Lake. A financial statement is included.  
MS NR PR SC ST

**Manitoba oil activity review, 1989**

Winnipeg : Manitoba Energy and Mines, Petroleum, 1990. iv, 43 p. : ill. CSI 42171.002.  
MICROLOG 90-06354 1 fiche

Annual review of oil and gas sales, leases, drilling activity, prices, production and markets, revenue and taxes, government incentive programs, reserves, industry employment and expenditures, and a forecast for the coming year. Highlights of the current year are also included.  
EN MS PR SC ST

**Manitoba parks statistics, 1988**

Winnipeg : Manitoba Natural Resources, Parks, 1990. ix, 358 p. CSI 42170.002.  
MICROLOG 90-04958 4 fiche

Annual report for 1988 on recreational facilities, attendance statistics, visitor services statistics, and campground statistics, by park region. Recreational facilities presents data by individual campground; attendance data are traffic counts by gate by region, and comparative attendance, park entrance permits and revenue figures for the past four years; visitor service data indicates the types of programs provided and the estimated contacts with the public through services and facilities; and campground data consists of information on camping permits sold by each campground, and a set of occupancy rates.  
CU MS PR ST

**Manitoba pay equity consultations : a summary of submissions**

Winnipeg : Manitoba Labour, Pay Equity Bureau, 1990. 71 p. Bibliogr. On cover: Pay equity : equality at work.  
MICROLOG 90-06241 1 fiche

Discusses the concept of pay equity; defining establishment; defining employee; defining gender dominance; the negotiated process; determining value and the job evaluation process; defining wages; wage adjustments; allowable exceptions; administrative, monitoring, enforcement and maintenance mechanisms; regulations; and costs and benefits.  
LA MS PR

**Manitoba petroleum royalty and tax information, 1990**

Winnipeg : Manitoba Energy and Mines, Petroleum, 1990. ii, 21 p. : ill. CSI 42171.001.  
MICROLOG 90-07163 1 fiche

Provides a general overview of the petroleum royalty/tax structure and incentive programs currently operating in the province.  
CO EN MS PR ST

**Manitoba plant disease control guide for cereals, potatoes, special crops and vegetables, 1990**

Manitoba. Plant Pathology Laboratory. Winnipeg : The Laboratory, 1990. 36 p. : ill. CSI 41100.013.  
MICROLOG 90-03907 1 fiche

Methods of disease control for cereals, potatoes, special crops and vegetables. The report includes principles of control, use and action of fungicides, seed treatment, and toxicity and effects on human health. An index of fungicides is included.  
AG MS PR SC

**Manitoba Police Commission : Annual report 1988-89**

Winnipeg : The Commission, 1989. 19 p.  
CSI 42133.001.  
MICROLOG 90-00807 1 fiche

The Commission has the mandate to promote the prevention of crime, efficiency of police services, and police/community relationships in the province. This annual report reviews the Commission's activities, police training and education, crime prevention and police/community relations, and information services.  
JU MS PR ST

**Manitoba preliminary financial report for the year ended March 31, 1990**

Winnipeg : Manitoba Finance, 1990. 10 p.  
CSI 41111.002.  
MICROLOG 90-07226 1 fiche

The amounts reported represent the most current data available. The financial results have been prepared on a basis consistent with the accounting policies of the Provincial Government which are detailed in the Public Accounts. This document provides statements of: direct and guaranteed debt; revenue and expenditure.  
CO MS PA PR

**Manitoba Properties Inc. : Audited financial statements 1989-90**

Winnipeg : The Corporation, 1990. 7, 8 p. Bilingual (Etats financiers...). CSI 42211.002.  
MICROLOG 90-07216 1 fiche

Manitoba Properties is responsible for the day-to-day property management of the whole of its real estate holdings, which includes activities of acquisition, management and construction. An Auditor's report, balance sheet, statements of income and retained earnings, and changes in financial position along with notes to the financial statements are included in this report.  
CO MS PR

**Manitoba Properties Inc. : Etats financiers vérifiés 1989-90**

Winnipeg : la Corporation, 1990. 8, 7 p. Bilingual (Audited financial...). CSI 42211.001.  
MICROLOG 90-07216 1 fiche

Au cours de l'exercice écoulé, Manitoba Properties Inc. a poursuivi le programme prévu de construction de nouveaux immeubles et de rénovation de certains des biens qu'elle détenait déjà, pour le compte du gouvernement du Manitoba. Dans ce rapport annuel, on retrouve le rapport des vérificateurs, le bilan, les résultats et bénéfices non répartis et l'évolution de la situation financière.  
CO MS PR



# **Manitoba provincial electoral constituency : statistical profiles**

Winnipeg : Manitoba Bureau of Statistics, 1990.  
87 p. CSI 42108.021.  
MICROLOG 90-05627 1 fiche

Report on a wide range of socio-economic information from the 57 Manitoba provincial electoral constituencies (1988 representation order). The report consists of 7 tables of characteristics for each of the constituencies. The data was provided during the 1986 census. Data is provided on population, marital status, dwelling, language, ethnic origin, education, labour force activity, industry, hours worked, income, occupation and sex.  
MS PA PR ST

# **Manitoba provincial electoral divisions : detailed statistical profiles (1989 amended boundaries)**

Winnipeg : Manitoba Bureau of Statistics, 1990.  
140 p. : maps. CSI 42108.218.  
MICROLOG 90-07367 2 fiche

This report presents a wide range of socio-economic information on the 57 Manitoba provincial electoral divisions. The data presented in the report was provided by Manitobans during the 1986 Census.  
MS PA PR ST

# **Manitoba Public Insurance Corporation : Annual report 1988-89**

Winnipeg : The Corporation, 1990. 36 p. : ill. CSI 42134.001.  
MICROLOG 90-05254 1 fiche

The Corporation provides Manitoba motorists with a comprehensive package of automobile protection insurance. The annual report contains statements of operations for its Automobile and General divisions, and financial data including balance sheet, statement of retained earnings, changes in cash and short-term investments, and schedules of expenses and investments.  
CO MS PA PR ST

# **Manitoba Public Trustee : Annual report 1987-88**

Winnipeg : The Trustee, 1988. 16 p. CSI 42169.001.  
MICROLOG 90-00337 1 fiche

Contains an office overview, and presents information on law and the elderly, public relations, and revenue/expenditure profits. It also provides statistical review.  
CO JU MS PA PR ST

# **Manitoba regional corn performance tests, 1989 : a report on tests of commercial hybrids**

by W. Dedio, E.N. Larter and S. Plett.  
Winnipeg : Manitoba Agriculture, 1989. 36 p. (Report ; no. 33) CSI 42228.001.  
MICROLOG 90-07156 1 fiche

Report of 1989 field trials and tests for grain and silage corn hybrids. Tests were conducted at 4 sites, with weather information (temperature, precipitation, heat units) for 3 sites. Hybrids are arranged by heat units and data is given for days to silk, stalk breakage, root lodging, grain density, grain moisture and grain yield.  
AG MS PR SC ST

# **Manitoba regions : a statistical profile, 1990**

Winnipeg : Manitoba Bureau of Statistics, 1990. 31 p. : ill. CSI 42108.017.  
MICROLOG 90-07237 1 fiche

This publication presents socio-economic statistics for Manitoba on a regional basis. The regions used in this report are the official regions for data collection which are aggregations of the 23 census divisions. The

report presents the regional statistical information by major subject matter areas including demography, income, economic dependency, employment and family allowance.  
CO LA MS PR ST

# **Manitoba Research Council : Annual report 1988-89**

Winnipeg : The Council, 1989. 16 p. : ill. CSI 42210.001.  
MICROLOG 90-00812 1 fiche

Includes a corporate profile, and reviews the Council's services. It contains 1988-89 highlights and a financial summary.  
MS PR PS SC

# **Manitoba river forecast development**

Winnipeg : Environment Canada : Manitoba Natural Resources, 1988. 2 v. : ill., maps. Bibliogr. Contents: Vol. 1 : Phase I, planning and design -- vol. 2 : Phase II, application and evaluation. At head of title: Canada-Manitoba Flood Damage Reduction Program. MICROLOG 90-03441 5 fiche

Report of Phase I of a 2-phase study covering 5 years in which improved spring flood forecasting procedures were to be developed and implemented for the Red, Assiniboine and Souris River basins in Manitoba. Phase I was to determine whether the use of continuous deterministic or parametric hydrological simulation models could significantly improve the accuracy and lead time of streamflow forecasts over that attainable with the traditional approach based on multiple regression, unit hydrograph and index values. The Boyne River watershed was used to compare and test the simple parametric SLURP model, the intermediate complex SSARR model and the complex deterministic HSPF model. The presently used MANAPI regression model was used as a benchmark. Channel routing studies within the Boyne River watershed and the testing of real-time data acquisition systems were also carried out.  
EV MS PR SC

# **Manitoba social studies assessment, 1989 : preliminary report, test data**

Manitoba. Curriculum Development and Implementation Branch. Winnipeg : The Branch, 1989. v, 34 p. ISBN 0-7711-0826-5  
MICROLOG 90-04826 1 fiche

The provincial assessment of social studies was conducted at grades 4, 8, and 10 in June 1989. The major components to the assessment include a written test for all 3 grade levels, a survey of teachers from the 3 grade levels, a group performance component for grade 4 students, and an interview with teachers of those students who participated in the group performance. This preliminary report contains a summary of student performance data based on the written component only. The report contains individual item and subtest data. All data are based on the provincial sample as a whole; no individuals, schools, or divisions are identified.  
ED MS PR

# **Manitoba software industry : catalogue of capabilities**

INFOTECH Manitoba. Winnipeg : Manitoba Industry, Trade and Tourism, 1989. 94 p. MICROLOG 90-00452 2 fiche

First edition of the directory, listing companies marketing software. Information was gathered through a survey which located over 75 companies marketing software products in electronics engineering, farm management, computer graphics, educational courseware, artificial intelligence, data base management, business administration, health, and applications development tools and communications. Companies are listed alphabetically by category, and information is given on hardware

compatibility, operating systems, method of distribution, list of agents, and products.  
MS PR PS SC

# **Manitoba Sport Policy Advisory Committee : discussion paper**

Winnipeg : Manitoba Sports Directorate, 1989. xii, 79 p. : ill. MICROLOG 90-00447 2 fiche

Contains information on sport delivery in Manitoba; the administration of sport in Manitoba; the relationships of the sport directorate with other members of the sport community; the sport directorate role statement; policies of the sport directorate; current sport directorate programs; and potential sport directorate programs.  
CU MS PR

# **Manitoba Transportation Action Plan to the year 2000 : a report to the Transportation Industry Development Advisory Committee**

by J. Heads. Winnipeg : University of Manitoba, Transport Institute, 1990. xix, 394 p. : ill. Executive summary (ix, 51 p.) laid in. MICROLOG 90-06234 5 fiche

The study systematically reviews the state of the transportation industry in Manitoba and identifies the foreseeable changes that will likely occur. The study is based on extensive research performed and information collected by the Transport Institute. The study sets forth targets for employment in each segment of the industry for the forthcoming decade and, based upon a comprehensive analysis, recommends the steps that should be taken by governments to achieve the targets.  
MS PR SC TR

# **Manitoba vital statistics, 1988 : a regional analysis**

Winnipeg : Bureau of Statistics, 1989. 35 p. CSI 42108.005.  
MICROLOG 90-00353 1 fiche

This report presents data on births, deaths, and stillbirths in 1988. It includes weight-specific births and stillbirths, age-specific deaths, infant deaths, by type and economic region, and information of cause of death.  
HE MS PR ST

# **Manitoba vital statistics, 1989 : a regional analysis**

Winnipeg : Manitoba Bureau of Statistics, 1990. 35 p. CSI 42108.005.  
MICROLOG 90-05831 1 fiche

This analysis consists of a regional overview, weight-specific births and stillbirths, age-specific deaths, infant deaths, infant deaths by type and economic region and cause of death. Appendices are also supplied on births by weight, sex and economic region; stillbirths by weight, sex and economic region; deaths by age, sex and economic region; and infant deaths by age, sex and economic region.  
HE MS PR ST

# **Manitoba's drill core libraries system**

by D.E. Prouse. Winnipeg : Manitoba Energy and Mines, Geological Services, 1989. iv, 44 p. : ill. Bibliogr. (Open file report ; OF89-4) MICROLOG 90-05331 1 fiche

The collection of Precambrian exploration diamond drill core in Manitoba for permanent organized storage began in the early 1970s with the construction of core libraries in The Pas, Thompson and Lynn Lake. The collection and storage was expanded under the Canada-Manitoba Mineral Development Agreement from 1984-89. This report contains the first complete computerized listing of core holdings arranged by NTS area and company, to be updated annually. In addition, the report



outlines accomplishments to date, and policies governing acquisition, core reduction, viewing and sampling.

MS NR PR PS SC

#### Manitoba's foreign trade, 1988

Winnipeg : Manitoba Bureau of Statistics, 1989. 28 p. : ill. *CSI 42108.020.*

MICROLOG 90-01310 1 fiche

The purpose of this report is to provide information for Manitoba on the importance and impact of international merchandise trade. It provides international merchandise trade data by country, commodity, and industry.

CO EX MS PR ST

#### Manitoba's foreign trade, 1989

Winnipeg : Manitoba Bureau of Statistics, 1990. 25 p. : ill., maps. *CSI 42108.020.*

MICROLOG 90-07087 1 fiche

Provides international merchandise trade data by country, commodity, and industry. The information is from Statistics Canada's External Trade Division for which the Manitoba Bureau of Statistics has adjusted the valuation for the major grains and oilseeds to reflect their actual value to Manitoba more closely. In addition, the volume and value of oil exports has been adjusted to balance with interprovincial exports and domestic production levels.

CO EX MS PR ST

#### Manitoba's policy for a multicultural society : building pride, equality and partnership

Manitoba. Winnipeg : The Province, 1990. 14 p.

MICROLOG 90-06236 1 fiche

Discusses the Government's view of the multicultural ideal, the policy of the Government of Manitoba for a multicultural society, and building the partnership for Manitoba's multicultural society.

CU MS PR SA

#### Manual for condition rating of flexible pavements : distress manifestations

by G.J. Chong, W.A. Phang and G.A. Wrong. Downsview, Ont. : Ministry of Transportation, Research and Development Branch, 1989. iii, 111 p. : ill. Bibliogr. ISSN 0226-9414 ISBN 0-7729-5831-9

MICROLOG 90-01943 2 fiche

This manual categorizes distress manifestations and provides illustrations of each category to lend uniformity to reporting and interpretation. Descriptions of the density of occurrence and the severity of each type of distress manifestation are made to conform to standard words which precisely express the relative density or severity on a scale of 1-5. Probable causes of each distress manifestation are presented, together with comments on progressive deterioration or other behaviour which might affect remedial treatment. Possible remedial measures are included under each distress manifestation.

ON PR PS SC TR

#### Manual for condition rating of gravel surface roads

by G.J. Chong and G.A. Wrong. Downsview, Ont. : Ministry of Transportation, Research and Development Branch, 1989. iii, 61 p. : ill. Bibliogr. ISSN 0226-9414 ISBN 0-7729-5832-7

MICROLOG 90-01944 1 fiche

The existing pavement condition rating systems used in Ontario are designed only for hard surfaced roads. To date, there has been no system designed and developed specially to address the unique performance pattern of gravel surface roads. This document was prepared to meet this need and to present a roadway surface condition rating system for gravel surface roads. The manual covers the

rating system, distress manifestations, procedures for roadway evaluation, surface defects, surface deformation, and shoulder distress manifestations.

ON PR PS SC TR

#### Manual for condition rating of surface-treated pavements : distress manifestations

by G.J. Chong, W.A. Phang and G.A. Wrong. Toronto : Ministry of Transportation, Research and Development Branch, 1989. iii, 73 p. : ill. ISSN 0226-9414 ISBN 0-7729-5428-3

MICROLOG 90-01345 1 fiche

Rating of highway pavement surface condition is used by highway system authorities as a measure of the ability of the pavement to continue to provide required service to the public. Ratings are based on riding quality and distress manifestations which currently apply only to those roads surfaced with asphaltic concrete and Portland-cement concrete. There is also a network of bituminous surface-treated roads for smaller and more remote population centres which has, to date, had no scheme designed and developed specifically to address their performance pattern. This manual presents a pavement surface condition rating scheme for such roads, based on the same interrelated measures used on the highway system. The manual describes the scheme, and gives a procedure for evaluation, defines riding quality, and details such distress manifestations as surface defects and deformation and cracking, shoulder distress, and maintenance treatments.

ON PR PS SC TR

#### A Manual for scallop culture in British Columbia

by N. Bourne, C.A. Hodgson and J.N.C. Whyte. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. xiv, 215 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1694) ISSN 0706-6457

MICROLOG 90-00153 3 fiche

Scallops are highly prized seafood, but scallop resources in B.C. are too small to support a large sustained fishery. Development of a sizeable industry will therefore have to rely on culture operations. In 1981, a program was initiated to investigate the feasibility of scallop culture in B.C. with major focus on production of large numbers of juveniles in hatcheries. Work was primarily on the exotic Japanese scallop *Patinopecten yessoensis* and the native rock scallop *Crassadoma gigantea*. This manual describes the results of some of the work in the program, including details on the biology of scallops, design and location of hatcheries, operations of hatcheries and nurseries, and initial stages of growout work.

• BC CA CF FI LS SC

#### Manual for the identification of redfish species of the north Atlantic and adjacent areas

by V.V. Barsukov, N.I. Litvinenko and V.P. Serebryakov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 25 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5168) Originally published in Russian. ISSN 0704-3716

MICROLOG 90-00076 1 fiche

Redfish of the genus *Sebastes* are an important target of the international and Soviet fishery in the North Atlantic. In order to study usable stocks, predict catches, and regulate the fishery, it is necessary to know the species composition of catches and the distribution and migration of populations, estimate usable stocks, and give recommendations on the fishery for particular species and stocks. This manual gives the identification of the species affiliation

of larvae, fingerlings, and adult redfish.

• CA CF FI LS SC

#### A Manual of fish processing, I : curing of salted fish

by J. Bjarnason. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 99 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5323) Originally published in Icelandic, by the Fishing Industry Research Institute at Reykjavik, Iceland. ISSN 0704-3716

MICROLOG 90-02104 2 fiche

Manual on the curing of salted fish, including product description and definitions, the markets, the salting and preparation process, and quality grading.

• CA CF FI SC

#### Manual of Nearctic Diptera, vol. 1

coordinated by J.F. McAlpine...et al. Ottawa : Agriculture Canada, Research Branch, 1981. vi, 674 p. : ill. Bibliogr. (Monograph ; no. 27) ISBN 0-660-10731-7

MICROLOG 90-03199 7 fiche

Manual providing an up-to-date, well-illustrated, easily interpretable means for identifying the families and genera of two-winged flies of America north of Mexico. It is also designed to be a basic reference to a wide spectrum of biosystematic information on Diptera. Vol. 1 includes morphology and terminology of the adult and larval stages, and keys to the families of the order based on both adults and larvae. It also contains the treatments of the 24 families of the Nematocera and the 19 families of the orthorrhaphous Brachycera.

• CA EV LS SC

#### Manual of Nearctic Diptera, vol. 2

coordinated by J.F. McAlpine...et al. Ottawa : Agriculture Canada, Research Branch, 1987. vi, 657 p. : ill. Bibliogr. (Monograph ; no. 28) ISBN 0-660-12125-5

MICROLOG 90-03200 7 fiche

This manual provides a modern, well-illustrated, easily interpretable means for identifying the families and genera of two-winged flies of America north of Mexico. Vol. 2 provides individual treatments of the families of the infraorder Muscomorpha (Cyclorhapha, higher Diptera). It treats the 5 families of the section Aschiza and the 60 families of the section Schizophora. A subject index is also included.

• CA EV LS SC

#### Manual of plant species suitability for reclamation in Alberta -- 2d ed.

Hardy BBT Limited. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, 1989. ix, 444 p. : ill., maps. (Report ; RRTAC 89-4)

MICROLOG 90-05206 5 fiche

This plant species manual has been prepared to aid in the selection of plant species suitable for reclamation in Alberta. It is designed to enable the user to select appropriate plant species that are adapted to specific site conditions. Species suitability is listed by region, cross indexed to grasses, forbs, and shrubs and trees suitable for each area. For each species listed, information is given on its biology, origin and range, growth habit, longevity, ecological setting, tolerances, and reclamation considerations.

AL EV PR SC

#### Manuel d'aménagement forestier

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 255 p. : ill., cartes géogr. Bibliogr. ISBN 2-550-19931-6

MICROLOG 90-03947 3 fiche



La loi sur les forêts assure la participation de l'industrie forestière à l'aménagement et à la mise en valeur des forêts du domaine public en instaurant un nouveau mode d'attribution des bois basé sur l'octroi de contrats d'approvisionnement et d'aménagement forestier. Ce manuel d'aménagement forestier est conçu pour établir les relations formelles entre le ministère de l'Énergie et des Ressources et les bénéficiaires de contrats d'approvisionnement et d'aménagement forestier. Il examine particulièrement les points suivants: le contexte et champs d'application du manuel d'aménagement forestier; la méthode et les hypothèses de calcul de la possibilité annuelle de coupe; les modes de vérification par échantillonnage des traitements sylvicoles; et la méthode de mesure des effets réels des traitements sylvicoles.  
FO PR QU SC

#### Manuel de terminologie de l'aviation civile

Ottawa : Transports Canada, Direction générale de la réglementation aérienne, 1988. viii, 606 p. Bibliogr. *L'éd. anglaise (Civil aviation terminology...)* sur la même fiche. ISBN 0-660-92481-1  
MICROLOG 90-00008 13 fiche

Ce manuel a pour but de cerner des concepts, des objets et des activités à l'intérieur du domaine général de l'aéronautique, et ce, afin de normaliser la terminologie et d'assurer un concept unifié. Il a aussi pour but de prévenir la prolifération d'équivalents inutiles qui créent ainsi la confusion et n'ont que des effets négatifs sur la sécurité aérienne. Le manuel est le produit d'une compilation de plus de 10 000 fiches provenant des ouvrages cités dans la bibliographie. La fiche est formée principalement d'une vedette anglaise et française et d'une définition, d'un ou de plusieurs synonymes, de variations, d'abréviations, de codes et de symboles.  
CA SC TR

#### Manuel des services de psychologie scolaire

Fredericton : Ministère de l'éducation, Direction des services aux élèves, 1990. i, 21 p. Bibliogr. ISBN 0-88838-614-1  
MICROLOG 90-06955 1 fiche

L'objectif fondamental du système scolaire du Nouveau-Brunswick est d'amener l'élève à devenir une personne autonome et créatrice et de le préparer à jouer un rôle de citoyen responsable. Dans cette optique, l'apport du psychologue en milieu scolaire est essentiel. Il aide les élèves dans leur démarche personnelle de croissance et d'autonomie. Ce document se penche sur les points suivants: le rôle du psychologue; la clientèle; les fonctions et les tâches spécifiques, complémentaires et administratives; la définition des titres professionnels; la livraison des services de psychologie en milieu scolaire; et, les variables organisationnelles.  
AP ED PR

#### Manufactured housing study : land use planning, issues and guidelines

prepared by Lovatt Planning Consultants and IMC Consulting Group Inc. ; on behalf of Alberta Municipal Affairs and Manufactured Housing Association of Alberta and Saskatchewan. Edmonton : Alberta Municipal Affairs, 1990. 50 p. : ill.  
MICROLOG 90-07371 1 fiche

This study was undertaken to foster a better understanding of the current manufactured housing product and to encourage municipal authorities to consider accommodating this form of housing in their communities. Manufactured housing in this study means any dwelling unit, manufactured in single or multiple sections, either in whole or in part, at an off-site

location, designed to be used with or without a permanent foundation, constructed to be transported from the point of manufacture to its destination of residence at time of manufacture, conforming to CAN/CSA Z240MH Series-M86, and is capable of being transported on its own chassis. These are not modular units manufactured in component pieces in a factory and then assembled on site. The study identified the key issues surrounding manufactured housing in Alberta today and developed land use planning and design guidelines related to manufactured housing, along with recommendations for implementing such guidelines.  
AL PL PR SC

#### Manutention céréalière : impact au Québec

par A. Kawa et J. Caron. Québec : Gouvernement du Québec, Ministère des transports, 1989. 73 p. : ill. Bibliogr. (Études et recherches en transports) (Socio-économie des transports) ISBN 2-550-19683-5  
MICROLOG 90-04215 1 fiche

Le but de cette étude est de mesurer l'impact économique du transport des céréales par la voie maritime et d'analyser les facteurs qui influencent cette voie de sortie. Elle comprend trois parties principales. La première partie détermine la manutention céréalière dans les ports du St-Laurent, la deuxième, l'impact économique total de cette activité et enfin, la troisième, les facteurs qui influencent le choix des voies de sorties des céréales pour l'exportation.  
AG PR QU SC TR

#### Manutention de produits agricoles : appareils de trituration et de mélange

Ottawa : Agriculture Canada, Direction générale de la recherche, 1990. 48 p. : ill. Bibliogr. *L'éd. anglaise (Handling agricultural...size...)* sur la même fiche. ISBN 0-660-92939-2  
MICROLOG 90-06438 2 fiche

La série Manutention de produits agricoles comprend plusieurs volumes destinés aux concepteurs des systèmes de manutention pour les exploitations agricoles et les industries connexes. Chaque volume porte sur le choix et les caractéristiques d'une catégorie précise d'appareils de manutention et de traitement des produits. Ce document porte principalement sur les méthodes de trituration; le mélange; les systèmes complets; et, le rendement de broyeurs rotatifs.  
● AG CA SC

#### Manutention de produits agricoles : transporteurs de liquides

Ottawa : Agriculture Canada, Direction générale de la recherche, 1990. 52 p. : ill. Bibliogr. *L'éd. anglaise (Handling agricultural...liquid...)* : 90-04222/1. ISBN 0-660-92678-4  
MICROLOG 90-04223 1 fiche

Cette publication comporte plusieurs parties; c'est un guide rédigé à l'intention des concepteurs de systèmes de manutention de produits destinés à l'industrie agricole et aux industries associées. Certaines parties traitent de la sélection et de la conception de divers types d'équipement de manutention et de traitement des produits. Certains éléments doivent fonctionner de façon indépendante tandis que d'autres doivent faire partie d'un système. Pour concevoir un système complet, il peut être nécessaire de consulter plusieurs parties de cette série.  
AG CA SC

#### La Manutention, la demande de transport et le transport des marchandises dangereuses

Ottawa : Transports Canada, 1990. 11, 11 p. *Bilingue (Handling, offering...)*. ISBN

0-662-57285-8  
MICROLOG 90-05567 1 fiche

Cette publication brosse un tableau général des responsabilités qui reviennent à quiconque s'occupe de la manutention, de la demande de transport ou du transport, par tout mode de transport, de marchandises dangereuses telles que définies dans la Loi et le Règlement. Il porte particulièrement sur: l'explication des termes; les documents; la formation; l'établissement des rapports sur les cas de danger; les responsabilités de base; et les personnes-ressources.  
CA SC TR

#### Maple District fisheries management plan, 1989-2000

Toronto : Ministry of Natural Resources, 1988. v, 209 p. : maps, fold. maps. Bibliogr. ISBN 0-7729-4495-4  
MICROLOG 90-03439 3 fiche

Plan to facilitate the long-term fisheries planning in Maple District from 1989-2000. The report gives a brief overview of the planning process, the attributes of the fisheries resource, current management practices, problems and issues facing fisheries, and resource use targets. It also outlines the strategies and tactics adopted to achieve such objectives as protecting and rehabilitating fish populations and fish habitat, providing fishing opportunities, and expanding fisheries education, research and public involvement programs. An implementation schedule is given for the first 5 years (1989-93).  
FI ON PR SC

#### Maps and demographic statistics for selected mother tongue groups : Toronto CMA, 1986

Toronto : Ministry of Citizenship, 1989. 341 p. : maps. (Ethnocultural data base materials, series II : population data ; no. 22) *Bilingual (Cartes et statistiques...)*. CSI 55102 215. ISBN 0714-1289 ISBN 0-7729-5168-3  
MICROLOG 90-05144 4 fiche

This publication provides cross-tabulations on ten socio-economic variables for twenty-six mother tongue groups. The criterion used for determining the inclusion of a mother tongue group in this volume is that the total language group, or any component of that group, must represent at least one percent of the total Heritage language population for that geographic area. It includes a dictionary of Statistics Canada definitions for clarification of terminology used throughout.  
MU ON PR SA ST

#### Le Marché du travail : son évolution dans les années 80 -- Rev.

par K. Kerr. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 16 p. Bibliogr. (Bulletin d'actualité , 89-1F) *L'éd. anglaise (Labour market developments...)* sur la même fiche. ISBN 0-660-92721-7  
MICROLOG 90-01844 1 fiche

La main-d'oeuvre, le facteur de production le plus couramment utilisé et le plus coûteux, fait l'objet d'échanges sur un marché caractérisé par un état de flux constant. D'après de récentes estimations, plus de quatre millions de personnes trouvent du travail chaque année, et un nombre à peu près équivalent tombent en chômage ou quittent le marché du travail. Pendant les années 80, la conjoncture sur ce marché a subi l'influence d'un certain nombre de facteurs dont les principaux ont été la dévastatrice récession de 1981-1982, la croissance extrêmement inégale du nombre d'emplois dans les régions pendant la reprise, et l'augmentation de l'incidence du chômage de longue durée. Ce sont ces facteurs, et d'autres tendances qui se sont dessinées depuis le début de la décennie, qui font l'objet du présent bulletin.  
CA CO LA



### Le Marché du travail de l'Ontario : tendances à long terme et problématique au cours des années 1990

Toronto : Ministère de la formation professionnelle, Recherche sur le marché du travail, 1990. xii, 76 p. : ill. L'éd. anglaise (*Ontario's labour market...*) : 90-06778/1. CSI 55131.205F. ISBN 0-7729-6961-2 MICROLOG 90-06780 2 fiche

Le progrès économique et l'augmentation du niveau de vie ont longtemps constitué les traits marquants de l'économie et de la société en Ontario. Entre 1961 et 1988, en un peu plus d'un quart de siècle, le volume des biens et services produits en Ontario a presque triplé. L'importance de la main-d'œuvre, le nombre d'emplois dans l'économie et le niveau de vie de la société ont doublé. Ce document souligne un certain nombre des tendances les plus importantes de la demande et de l'offre du marché ainsi que des facteurs qui les causent et étudie brièvement les questions relatives au marché du travail qu'ils poseront au cours des années 1990. CO LA ON PR ST

### Le Marché ontarien du ski alpin durant la saison d'hiver 1986-87 : une évaluation du marché de tous les pratiquants, des touristes-skieurs, des ontariens ayant skié au Québec

par P. Cluzeau. Québec : Gouvernement du Québec, Ministère du tourisme, Direction de l'analyse et du développement, 1987. 81 p. : ill. Bibliogr. ISBN 2-550-17914-5 MICROLOG 90-01671 1 fiche

Publication présentant les résultats d'un coup de sonde effectué en Ontario et destiné à évaluer le marché des skieurs alpins durant la saison d'hiver 1986-87. Comme dans le cas des sondages omnibus comparables faits auprès québécois, l'objectif premier est de quantifier l'envergure de ce marché en distinguant le marché de tous les pratiquants de cette activité du marché des touristes proprement dit, c'est-à-dire ceux qui ont fait un voyage impliquant le recours à de l'hébergement, commercial ou privé, pour pratiquer le ski alpin. CO CU PR QU

### Le Marché public et le développement technologique au Québec : six rapports d'étude

Sainte-Foy, Québec : Conseil de la science et de la technologie, 1989. 269 p. ISBN 2-550-19960-X MICROLOG 90-04969 3 fiche

Ces études portent sur la politique d'achat et les principales caractéristiques des marchés publics québécois; sur leurs dimensions internationales et la situation dans d'autres pays; sur plusieurs programmes du Gouvernement du Québec impliquant des acquisitions de biens et de services; sur des cas de développement technologique en entreprise où peuvent intervenir les marchés publics; sur des cas touchant le domaine des transports; et enfin, sur l'Hydro-Québec qui, compte tenu de son importance, a fait l'objet d'une étude à part. CO PA PR QU

### Le Marché unique européen, 1992 : une bibliographie

par D. Milne. Ottawa : Ministère des affaires extérieures, 1989. 25 p. Bilingue (*The Single European...*). MICROLOG 90-03944 1 fiche

Ce document présente une bibliographie des publications de la Commission des Communautés européennes, des livres, des articles, et des autres documents. CA CO EX

### Les Marchés financiers canadiens et la mondialisation

Ottawa : Conseil économique du Canada, 1989. x, 194 p. : ill. Bibliogr. L'éd. anglaise (*Globalization and Canada's...*) : 90-02533/3. ISBN 0-660-92816-7 MICROLOG 90-02532 3 fiche

Les marchés financiers mondiaux connaissent depuis une dizaine d'années une évolution sans précédent qui a radicalement transformé le comportement des institutions financières et les moyens de mobiliser les capitaux. Des liens plus étroits se sont tissés entre les marchés financiers de nombreux pays, et d'importantes sphères de l'activité financière internationale ont désormais une dimension mondiale. Se document se penche sur le contexte canadien; l'innovation sur les marchés financiers internationaux; l'internationalisation des marchés financiers; les institutions étrangères sur les marchés nationaux; l'amorce d'une coopération internationale; et, les mesures à prendre au niveau national pour relever le défi. CA CO EX

### Marconi Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 560) Fold. maps not filmed. MICROLOG 90-04571 1 fiche

Geological data inventory for Marconi Township, including a checklist of data sources, type of exploration work done and by whom, results of an airborne geophysical survey, topographical maps available, results of an OGS/ODM general index search, and selected references. NR ON PR SC

### Marine birds and aquaculture in British Columbia : assessment and management of interactions, phase II report : assessment of geographical overlap

by J. Booth and H. Rueggeberg. Ottawa : Canadian Wildlife Service, Pacific and Yukon Region, 1989. xiii, 79 p. Bibliogr. (Technical report series ; no. 73) ISSN 0831-6481 ISBN 0-662-21717-X MICROLOG 90-02387 1 fiche

This report documents the results of Phase II of a project to assess the effects of British Columbia's growing aquaculture industry on its marine bird populations. The extent of geographical overlap between areas of current and potential aquaculture development and areas used by marine birds was examined, indicating the bird species, types of aquaculture and areas of the coast involved. A computer-based geographic information and spatial analysis system was used to store, analyze and display the distributions of aquaculture and marine bird use within the study area. The location and size of sites currently committed for finfish, shellfish and marine plant culture were digitally mapped. Areas classified as biophysically suitable for salmon farming were also compiled and digitally mapped. Distribution data for 24 bird species and species groups were collected from compiled survey data and mapped, as were the size and location of colonies of 14 species and of summer moulting concentrations of 3 species. BC CA EV FI SC

### Marine birds and aquaculture in British Columbia : assessment and management of interactions, phase III report : preventing predation by scoters on a west coast mussel farm

by H. Rueggeberg and J. Booth. Delta, B.C. : Canadian Wildlife Service, Pacific and Yukon

Region, 1989. vi, 27 p. : ill. Bibliogr. (Technical report series ; no. 74) ISSN 0831-6481 ISBN 0-662-17189-6 MICROLOG 90-02353 1 fiche

Report of the results of Phase III of a project aimed at assessing the effects of B.C.'s growing aquaculture industry on its marine bird populations. Phase III consists of 2 studies examining on-site interactions between birds and salmon farming and mussel farming. This report covers mussel farming. Since predation by overwintering scoters is a major problem to mussel farming, this study investigated ways of improving predator protection measures that would be effective in preventing predation but would not entangle birds and would be relatively inexpensive and convenient to install and maintain. Using a raft culture site located on the west coast of Vancouver Island, an experimental underwater predator net was designed to examine differences in mesh size, colour and weight on the occurrence of predation and entanglement of diving birds. A net fence was tested for its ability to prevent bird access from the surface and from the air. BC CA EV FI SC

### Marine geological and geotechnical investigations in Wellington, Byam Martin, Austin, and adjacent channels, Canadian Arctic Archipelago

by B. MacLean...et al. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 75 p. : ill., maps. (Paper ; 89-11) ISSN 0068-7650 ISBN 0-660-13256-7 MICROLOG 90-01107 1 fiche

Wellington, Byam Martin, Austin, and adjacent channels were investigated in 1986 from CSS HUDSON using marine geological and geophysical methods. These methods provided information on the distribution, composition, thickness, geotechnical properties, magnetic susceptibility, paleo-oceanography, and depositional environments of the unconsolidated seabed sediments, and on the near surface structure of the underlying bedrock. The work was conducted as part of the Northern Oil and Gas Action Program. CA NO NR PS SC

### Marine ichthyoplankton data from the Canadian Beaufort Sea shelf, July and September, 1984

by D.B. Chipchak...et al. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. v, 45 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 779) This is the 43rd data report from the Central and Arctic Region, Winnipeg. ISSN 0706-6465 MICROLOG 90-04052 1 fiche

Ichthyoplankton data in this report were collected as part of the Beaufort Shelf fish habitat research subproject, one component of the critical Arctic estuarine and marine habitat project of the Northern Oil and Gas Action Program. The report presents data on ichthyoplankton collected from 760 m Wisconsin net and 500 m neuston net plankton tows in July and September 1984 along the Canadian Beaufort Sea Shelf. Standard length, total length, and wet-weight measurements were made on 1,123 larval fish of which 1,097 were Arctic cod. A total of 126 fish were analyzed for stomach contents. ● CA CF FI LS NO SC

### Marine migration and natural mortality of North American Atlantic salmon *Salmo salar* L.

by J.A. Ritter. Halifax : Dept. of Fisheries and Oceans, Biological Sciences Branch, Freshwater and Anadromous Division, 1989. x, 136 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2041) ISSN 0706-6473 MICROLOG 90-04781 2 fiche



The present natural breeding range of the anadromous Atlantic salmon in North America extends from the Pawcatuck River in Rhode Island to Ungava Bay, Quebec. These salmon are harvested in coastal fisheries along their feeding and return migrations routes and in their native rivers. This report uses marking and field sampling data and catch statistics to describe the migrations of North American Atlantic salmon and to quantify and explain variations in marine natural mortality.  
● AP CA CF FI LS SC

#### Marine monitoring at the Crofton, B.C. pulp mill : November, 1983 and April, 1986

by A.G. Colodey and J.G. Tyers. West Vancouver, B.C. : Environment Canada, Conservation and Protection, Environmental Protection, Pacific and Yukon Region, 1987. ix, 63 p. : ill., maps. Bibliogr.  
MICROLOG 90-03132 1 fiche

Environment Canada regularly monitors environmental quality at selected industrial and reference sites along the B.C. coastline to detect changes in marine environmental quality. This report presents data collected on Nov. 22, 1983 and on April 10, 1986 from the Stuart Channel area in the vicinity of the B.C. Forest Products kraft pulp mill located near Crofton, B.C. on southeast Vancouver Island. The report describes the mill operations and receiving environment; the materials and methods for both water and sediment sampling; the results on water, sediment and biota; and future monitoring requirements.  
● BC CA EV FO SC

#### Marine oil pollution response

Ottawa : Canadian Coast Guard, 1989. 16 p. : ill. ISBN 0-662-17500-X  
MICROLOG 90-04031 1 fiche

Pamphlet describing the federal government's Canada Shipping Act where it relates to oil spills, along with the 1989 amendments and the place of the Canadian Coast Guard in dealing with oil spills. Also included are the behaviour of oil at sea, the Canadian response capability, transfer equipment, shoreline protection and/or restoration, and cleanup in open waters.  
CA EN EV SC

#### Marine outlooks survey : potential for tug-barge services on the Great Lakes

by B. Jones. Toronto : Ministry of Transportation, Marine Office, 1987. ii, 13 p. Bibliogr. ISBN 0-7729-3920-9  
MICROLOG 90-00379 1 fiche

The Marine Office is frequently approached to expand the tug-barge services on the lakes. In response, a literature search and survey was carried out to determine if there is a potential for a detailed economic and technical evaluation of Great Lakes tug-barge service. This report details the findings and conclusions of the work, completed in November 1987.  
ON PR SC TR

#### Marinogammarus obtusatus (amphipoda), a new intermediate host of the nematode *Pseudoterranova decipiens*

by E.D. Valter. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 8 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5419) Originally published in Russian, by the Moscow State University, at Moscow, U.S.S.R.. ISSN 0704-3716  
MICROLOG 90-01527 1 fiche

During a study of the parasites of gammarids from the region of Cape Kindo (the area of the White Sea Biological Station) one larvae of a nematode of the family Anisakidae,

*Pseudoterranova decipiens* was found. In September 1984, 134 crustaceans were studied and in the haemocoel of one of the females a stage III larva (based on the morphology) was found. Since this larva is noted in gammarids for the first time, this paper provides a description and figures of it.  
● CA CF FI LS SC

#### Maritime Electric Company : Annual report 1989

Charlottetown : The Company, 1990. 16 p. : ill. CSI 32131.001.  
MICROLOG 90-03908 1 fiche

This annual report outlines the major activities and accomplishments of the Company and includes financial highlights.  
AP PR PW

#### Maritime Pollution Claims Fund (Canada) : Annual report 1988-89

Ottawa : Transport Canada, 1990. 7 p. Bilingual. CSI 21123.012. ISBN 0-662-57246-7  
MICROLOG 90-03290 1 fiche

Final annual report of the Fund, which will be replaced by the Ship-Source Oil Pollution Fund. The report covers action on the 1988 Grays Harbour, Washington oil spill which contaminated beaches on Vancouver Island; the discharge of oil from a barge near Matane, Quebec in 1986; an unidentified discharge of oil in Lake Superior near Michipicoten, Ontario in 1984; and a discharge of oil at Come by Chance, Newfoundland in 1988. Outstanding claims are described, as are amendments to the Canada Shipping Act which would affect the Fund. A summary of the financial status of the Fund is included.  
AP CA EV SC

#### Maritime Provinces Education Foundation : Report for the period 1985-88

S.I. : The Foundation, 1989. 17, 18 p. : ill. Bibliogr. Bilingual (Rapport pour la période...). CSI 32117.001.  
MICROLOG 90-01395 1 fiche

The report discusses Maritime studies textbooks; maritime studies supplemental resources; and French language educational materials. It includes highlights and a financial summary for the 3-year period of the report.  
AP ED PA PR

#### Maritime Provinces Higher Education Commission (Canada) : Annual report 1988-89

Fredericton : The Commission, 1989. 40, 40 p. Bilingual. CSI 32109.001. ISSN 0318-8612  
MICROLOG 90-00277 1 fiche

This annual report describes the activities carried out by the Commission. It includes audited financial statements.  
AP ED PR ST

#### Maritime Provinces Higher Education Commission (Canada) : Financial plan 1990-91

Fredericton : The Commission, 1990. 19, 19 p. : ill. Bilingual (Plan financier...). CSI 32109.002.  
MICROLOG 90-03176 1 fiche

Contains the Commission's recommendations for funding of the institutions within its mandate for the following fiscal year. It also presents some relevant data for the consideration of the Council of Maritime Premiers, and of the three Provinces, in their deliberations with respect to the budgetary submission.  
AP CA ED ST

#### Maritime provinces post-secondary programme profile

Fredericton : Maritime Provinces Higher

Education Commission, 1990. 44 p. Bilingual (Programmes dans les établissements...). MICROLOG 90-04067 1 fiche

This document provides an inventory of approved and projected programmes at institutions on the schedule of the Maritime Provinces Higher Education Commission. It contains information on university-level programmes, and applied arts and technology programmes.  
AP ED PR

#### Market analysis : Kouchibouguac National Park

prepared for the Canadian Parks Service, Atlantic Regional Office, Socio-Economic Section. Ste-Foy, Que. : Zins Beaudesne et associés, 1989. 4 v. Contents: Vol. 1 : Executive summary -- vol. 2 : Part A -- vol. 3 : Market management strategy recommendations, part B -- vol. 4 : Appendices.  
MICROLOG 90-00135 6 fiche

Kouchibouguac National Park is located in south eastern New Brunswick and is a natural attraction in Atlantic Canada. The purpose of this study is to segment, profile and analyze four market areas: current park visitors; highway 11 tourists and excursionists; New Brunswick non-resident tourists and excursionists, and New Brunswick resident tourists and excursionists. It also determines the characteristics, needs and expectations of all market segments included in the above market areas and recommends how the parks service can better serve Kouchibouguac's current and potential visitors.  
AP CO CU PR

#### Market customer survey

see Survey of market users

#### A Market development plan for recyclable materials in British Columbia : summary report

prepared by Peat Marwick Stevenson & Kellogg and the Recycling Development Corporation. Victoria : Ministry of Environment, Municipal Solid and Biomedical Waste Branch, 1990. 26 p.  
MICROLOG 90-05845 1 fiche

Evaluates the existing markets for recyclable materials in British Columbia and identifies the key players in the industry. It also identifies areas where the recyclable materials markets need to be developed to achieve the 50% waste reduction goal by the year 2000. Finally, it describes market development options that will allow the recycling industry to expand profitability to handle increased quantities of recovered waste.  
BC CI EV PR

#### The Market for fish and fish products in Hong Kong and Singapore -- Rev.

by S.O. Olsen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 42 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5249) Originally published in Norwegian, by the Research Institute of Fishing Technology, ISSN 0704-3716  
MICROLOG 90-02719 1 fiche

Report considering Norwegian opportunities and problems in exporting fish and fish products to Singapore and Hong Kong, based on a 1983 tour of Southeast Asia. The report covers the fisheries, aquaculture, and fish production; the import and export of fish and fish products; the market structures and distribution system; and eating habits and preferences for each of Singapore and Hong Kong.  
● CA CF CO FI SC



**Market for mussels in Europe -- Rev.**

by S. Eliassen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 37 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5264) *Originally published in Norwegian.* ISSN 0704-3716  
MICROLOG 90-02734 1 fiche

Report on the production of mussels in the most important producing countries in Europe, and exports and imports from/to the most important markets. Fresh, frozen and canned products and the different varieties of each are discussed. Information was collected by literature surveys and visits to France, Belgium and The Netherlands.

• CA CF CO FI SC

**Market information and market monitoring : preliminary study on needs and prospects for the development of external, computer-based marketing information systems for the Norwegian fishing industry**

by R. Lines. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 264 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5477) *Originally published in Norwegian, by F.T.F.I. at Tromsø, Norway.* ISSN 0704-3716  
MICROLOG 90-00590 3 fiche

Discussion of the needs and conditions for use, and the sources of information, on market conditions for the Norwegian fishing industry. The first part of the report discusses some important factors for establishing such a system, including the number of users and their needs, and the qualifications of the use of such market information. An outline of the system is given and how the information could be organized. The second part consists of a collection of notes discussing the different problem areas. Some methods are tested and evaluated, and an outline of a decision support system for choice of distribution channels is given. A micro market model as a component in the information system is evaluated.

• CA CF CO FI PS SC

**Market opportunity analysis : Alberta and the Canada/U.S. Free Trade Agreement : final report, summary**

prepared and published by Alberta Economic Development and Trade...et al. Edmonton : The Ministries, 1988. xi, 48 p. : ill.  
MICROLOG 90-03785 1 fiche

Examines market impacts and opportunities for agriculture and food processing, energy products, forest products, industrial and consumer products, the construction industry, the service sector, and advanced technology.

AL CI CO PR

**Market research for builders in Alberta**

by L. Romank. Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1990. v, 136 p. : ill. Bibliogr. ISBN 0-88654-269-3  
MICROLOG 90-05711 2 fiche

The purpose of this study is to evaluate the extent and nature of market research by residential home builders in Alberta, and to identify effective market research techniques and strategies appropriate for small builders in the province.

AL CO PR SA

**Market trends in cured fish : implications for Canada's cured fish industry**

by W.I. Brown. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial

Analysis Directorate, 1990. 7 p. : ill. Bibliogr. (Economic and commercial analysis report ; no. 51) ISSN 0843-5626 ISBN 0-662-17697-9  
MICROLOG 90-04754 1 fiche

Review of the history of each of the major methods of fish preservation (curing, canning, frozen or consumed fresh), examining trends in the disposition of catch in the world and in Canada. The paper then focuses on trends in the curing of fish and draws some conclusions regarding the future of the curing industry in Canada.

• CA CF FI SC

**A Marketing and development plan for the freshwater fishing resorts of British Columbia**

prepared by the Tourism Research Group, the DPA Groupe Inc. and Mike Hurst and Associates. Ottawa : Industry, Science and Technology Canada ; Victoria : Ministry of Regional Development ; Ministry of Tourism and Provincial Secretary, 1989. 101 p. ISBN 0-7726-0956-X  
MICROLOG 90-03822 2 fiche

A 1988 analysis of the fishing resorts sector within B.C. indicated that the markets, organization and structure of freshwater fishing resorts differed substantially from those served by the saltwater resorts. As a result of the analysis, a project was begun which included strategies for marketing and development including organization of the industry, responsibilities and requirements; a communication strategy outlining the positioning of the product, the role and character of the communication, target markets and rationale; a final and comprehensive marketing and communications plan providing rationale, strategies, objectives, audiences, messages, methods, timing, responsibilities, budget and procedures for evaluation; and a proposal for development, including solutions to constraints.

• BC CA CO CU PR SC

**A Marketing and implementation plan for secondary level international education initiatives in the Pacific Rim**

prepared for the Ministry of Education ; by the Gleneagles Group. S.I. : The Group, 1989. 42 p.  
MICROLOG 90-00034 1 fiche

Contains short-term, medium-term and long-term objectives, together with guiding principles. It also presents an overview of recommended initiatives including international teaching assignments for B.C. teachers; marketing of B.C. educational materials; recruitment of international students; and investment by overseas schools in a B.C. campus.

BC ED PR

**A Marketing and product development manual for the freshwater fishing resorts of British Columbia**

prepared by the Tourism Research Group, the DPA Group Inc. and Mike Hurst and Associates. Ottawa : Industry, Science and Technology Canada ; Victoria : Ministry of Regional Development ; Ministry of Tourism and Provincial Secretary, 1989. 92 p. ISBN 0-7726-0957-8  
MICROLOG 90-03827 2 fiche

Manual designed to assist operators of freshwater fishing lodges/resorts in preparing and executing sound marketing plans, conducting market research; monitoring performance; upgrading or improving their product; changing their product to meet the needs of new markets; and developing new product packages.

• BC CA CO CU PR SC

**Marketing de la petite entreprise**

Fredericton : Ministère du commerce et de la technologie, 1989. iii, 89 p. : ill. *L'éd. anglaise (Marketing for small business) : 90-00259/1.*  
MICROLOG 90-00258 1 fiche

Cet ouvrage présente un plan général pour élaborer un plan marketing; il soulève en outre certaines questions que tout entrepreneur doit se poser. Il aborde la planification dans l'entreprise; le plan de marketing; les éléments du marketing; le guide de l'élaboration du plan de marketing; les sources de renseignements pour l'étude de marché; et les activités de la Commission de développement industriel régional.

AP CO PR

**Marketing for small business**

Fredericton : Dept. of Commerce and Technology, 1989. iii, 71 p. : ill. *French ed. (Marketing de la petite entreprise) : 90-00258/1.*  
MICROLOG 90-00259 1 fiche

Discusses the importance of marketing, business planning, the marketing plan, the marketing components, and developing a marketing plan. Appendices include market research sources, and a glossary of terms.

AP CO PR

**Marketing plan for 1990-91**

B.C. Pavilion Corporation. Vancouver, B.C. : The Corporation, 1990. 17 p. : ill.  
MICROLOG 90-05869 1 fiche

This plan presents information on the Vancouver Trade and Convention Centre, the B.C. Place Stadium, the Robson Square Conference Centre, the Bridge Studios, the B.C. Transportation Museum, and new business development.

BC CO PR

**Marketing services**

Ontario Waste Management Corporation. Toronto : The Corporation, 1989. 37 p.  
MICROLOG 90-02859 1 fiche

This document describes in detail the waste reduction program, the technical services program, and laboratory services program.

ON PR PW

**Marketing study of British Columbia's gypsum in the Pacific Rim area of North America**

a joint effort of Queenstake Resources Ltd., and King, Murphy Lavalin, Consultants. Vancouver, B.C. : Queenstake Resources Ltd., 1989. v, 243 p. : ill., maps. Bibliogr. *Funded under: The Canada-British Columbia Mineral Development Agreement.*  
MICROLOG 90-00190 3 fiche

Gypsum is a relatively low cost, high bulk mineral commodity, usually produced from deposits in close proximity to areas where markets exist. Gypsum production in Canada responds directly to demand from the wallboard industries in the U.S. and domestically, and are in turn tied to the construction industry. Canadian production of gypsum is mainly from the Atlantic provinces. This study develops a marketing scenario for B.C. gypsum for existing markets from California to Alaska as well as the non-coastal provinces of Alberta and the Yukon Territory and the State of Nevada. Markets include wallboard, portland cement, agriculture, pulp and paper, extender and fillers, and other specialty markets. The study gives an overview of the history, properties, mining and processing, and end use of gypsum. The quality of B.C.'s gypsum deposits is given following a thorough review of specification requirements, then trends in North America are addressed, with forecasts for construction activities in the U.S. and Canada.



A review of the price structure, along with a review of suppliers and producers, is also included.

• BC CA CO NR SC

### Markets for Norwegian scallops

by R. Lines. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 133 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5440) *Originally published in Norwegian, by FTFI, at Norway.* ISSN 0704-3716

MICROLOG 90-00614 2 fiche

Survey of the competitive situation for a Norwegian scallop industry, pointing out opportunities for this industry to strengthen its position in the global markets. The project consisted of an internal analysis, a market analysis and a competitive analysis. On the basis of the market and competitive analyses, proposals are presented for marketing strategies. Results of the internal analysis are given separately.

• CA CF CO FI SC

### Markham MTS no. 2 : grounding system studies

by R.P. Pillai. Toronto : Ontario Hydro, Research Division, 1990. 21 p. : ill. Bibliogr. (Report ; no. 90-84-K)

MICROLOG 90-06102 1 fiche

Markham MTS no. 2 is a new customer-owned 230kV transformer station located at the corner of Hwy 48 and 14th Avenue in the Town of Markham. Verification of the grounding system design values was required especially in view of the extensive grounding network of overhead and underground conductors. Measurements were performed at the station and at the junction under simulated fault conditions to confirm the adequacy of the grounding system performance at both locations. This report presents the results of those tests.

EN ON PR PS SC

### Marten *Martes americana* and timber management in northwestern Ontario : a literature review

by B. Hessey and G. Racey. Thunder Bay, Ont. : Ministry of Natural Resources, Northwestern Ontario Forest Technology Development Unit, 1989. ii, 26 p. Bibliogr. (Technical report ; no. 16)

MICROLOG 90-01571 1 fiche

This literature review summarizes information on how and why marten respond to timber management operations, with an emphasis on northwestern Ontario. The report covers populations, home ranges, travel, food requirements, and habitat. Recommendations are included. Abstracts are given for each item in the bibliography.

FO ON PR SC

### Mastering energy : a matter of technology

Quebec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 45 p. : ill. *French ed. (La Maîtrise de l'énergie...)* on the same fiche.

MICROLOG 90-04355 2 fiche

Our energy future depends on our ability to master new and more efficient techniques that will enable us to make use of a greater variety of energy sources. This document is an information package presenting a number of Quebec firms and institutions involved in new technologies and alternative sources of energy.

EN PR QU SC

### Mastitis prevention : environmental control -- Rev.

by J. Rodenburg. Toronto : Ministry of Agriculture and Food, 1990. 4 p. : ill.

Bibliogr. (Factsheet) ISSN 0225-7882

MICROLOG 90-05000 1 fiche

Pamphlet summarizing such environmental methods of the control of mastitis as feeding, housing, size of stalls, bedding, level of tingle voltage, ventilation, and calf housing.

AG ON PR SC

### Matériaux de référence

par H.F. Steger. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires des sciences minérales, 1983.

iv, 35 p. (Rapport ; 83-3F) ISBN

0-660-91047-0

MICROLOG 90-04662 1 fiche

Ce catalogue décrit les matériaux de référence et les matériaux provisoires en vente au CANMET par l'entremise du coordonnateur du CCRMP. Lorsque c'est possible, l'origine, la composition minéralogique et chimique et les valeurs recommandées des constituants certifiés sont données. Contrairement au format des catalogues précédents, le prix courant et les modalités d'achat des matériaux de référence sont maintenant publiés séparément.

• CA CM EN NR SC

### Maternal and child care vital statistics : 1987 Manitoba vital statistics -- 13th update.

Winnipeg : Manitoba Health, Maternal and Child Health Directorate, 1990. iv, 60 p.

CSI 41113.003.

MICROLOG 90-03914 1 fiche

This document presents information on Manitoba population, birth and death statistics by Manitoba Health and Community Services Region, birth and death statistics for Winnipeg Region, and selected vital statistics for Manitoba.

MS PR SA ST

### Les mauvais traitements infligés aux personnes âgées : document de travail

par N. Gnaedinger. Ottawa : Santé et bien-être social Canada, Division de la prévention de la violence familiale, 1989. ii, 58 p. Bibliogr. *L'éd. anglaise (Elder abuse...) : 90-00765/1. Présenté à la Conférence nationale sur la violence familiale : main dans la main.* MICROLOG 90-00764 1 fiche

Les mauvais traitements infligés aux aînés représentent plus qu'un simple problème social ou médical - ils sont souvent le fait d'un comportement criminel. Notre Code criminel traite de la plupart des types de mauvais traitements qui existent dans notre pays à notre connaissance. Ce document examine cette forme de violence, la prise de conscience du problème et la fréquence et la nature des cas. De plus, le document traite du dépistage, de l'intervention et du traitement, de la recherche, et des mesures adoptées par le Canada.

BS CA SA

### McNamara Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 16 p. : fold. maps. (Geological data inventory folio ; GDIF 483)

MICROLOG 90-00710 1 fiche

Geological data inventory for McNamara Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, results of a general index search, and selected references.

NR ON PR PS SC

### McWilliams Township, Sudbury mining division 41/9

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry

of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. (Geological data inventory folio ; GDIF 535) *Fold. maps not filmed.*

MICROLOG 90-03049 1 fiche

Geological data inventory for McWilliams Township, including a data sources checklist, mineral commodities reference list, mineral occurrences by location, exploration work by company, drillhole summary by company, topographical maps available, results of a general index search, selected references, and maps available.

NR ON PR PS SC

### Meadow and creeping foxtail seed production in Alberta

by K.J. Lopetinsky...et al. Edmonton : Alberta Agriculture, 1989. 5 p. (Agri-fax)

MICROLOG 90-00208 1 fiche

General guide for the production of meadow and creeping foxtail seed, including seed and seed yield, choice of land, field sanitation, stand establishment, fertilization, weed control, insect control, harvesting, seed processing, and aftermath removal.

AG AL PR SC

### Measurement of biogenic and anthropogenic volatile organic compounds during the Canadian Atmospheric Chemistry Study, July 17 to August 31, 1988

by B. Handy. Toronto : Ontario Hydro, Research Division, 1989. 169 p. : ill. Bibliogr. (Report ; no. 89-262-K)

MICROLOG 90-03532 2 fiche

Description of a technique developed to measure biogenic (natural) and anthropogenic (man-made) volatile organic compounds (VOCs) present in ambient air. To advance understanding of the role of NOx vs VOCs and biogenic vs anthropogenic emissions in controlling ozone and other oxidant concentrations in Ontario, an intensive field study was undertaken during the summer of 1988. The study included making an intensive set of measurements of VOCs at Dorset and Egbert in rural south-central Ontario over 40 days. This report describes the results of that work.

EV ON PR SC

### The Measurement of dose at 70 micrometres' depth using thermoluminescent dosimeters (TLDs)

by A.R. Jones. Ottawa : Atomic Energy Control Board, 1989. iii, 25 p. : ill. Bibliogr. (Report ; INFO-0305)

MICROLOG 90-00460 1 fiche

The measurement of dose with thermoluminescent dosimeters (TLD) at a tissue-equivalent depth of 70 um can be done by using very thin TLDs made by cementing fine, powdered, TLD particles to a high-temperature plastic film; opaque TLDs whose surface alone is sensitive; and at least 3 TLDs covered with absorbers of differing thickness. The approaches were studied using examples of dosimeter arrangements of the 3 types. Characteristics measured to form a basis of comparison were the performance at high and low doses; the effect of changing angle of incidence and beta-ray energy; and the effect on performance of repeated irradiation, annealing and reading.

CA LS NR PS SC

### Measurement of ice forces on small vessels -- Rev.

prepared for the Transportation Development Centre ; by C. Daley, D. Howard and D. Frere. Halifax : Fisheries Resource Development Limited, Kanata, Ont. : Fleet Technology Limited, 1988. 2 v. : ill.



Bibliogr. Contents: Vol. I : Technical report -- vol. II : Appendices.  
MICROLOG 90-01755 3 fiche

Discussion of the second phase in a project to investigate ice loads on small vessels in light ice conditions. The National Sea Products fishing trawler CAPE BRIER was fitted with an array of strain gauges to measure ice loads over 3.8 sq m of the starboard bow. This phase of the project included the placement of 12 additional strain gauges, further finite element modelling and physical calibrations. Improved data collection hardware and software were designed and installed. Data was collected during a 2-week voyage in late winter 1987 south and east of Newfoundland.  
AP CA PS SC TR

### Measurement of outdoor air supply rate

Ottawa : Public Works Canada, Architectural and Engineering Services, 1988. vi, 38, vi, 43 p. : ill. Bibliogr. (Building performance evaluation series ; Document D37) Bilingual (Mesure de la vitesse...).  
MICROLOG 90-02178 2 fiche

This document presents a method for using tracer gases to evaluate the effectiveness of ventilation systems in supplying outdoor air. The techniques presented are intended for use in large multi-storey office buildings but can be adapted for use in other types of buildings. A number of factors have led to increased concern about air quality in buildings, including improved airtightness of building envelopes, reductions in the amount of outdoor air supply in the interest of energy conservation, new approaches to ventilation system design, and increased use of synthetic materials in the building fabric and in furnishings. The methods outlined measure the rate at which a ventilation system supplies outdoor air. The results can be input as specific parameters in energy analysis models to estimate how outside air introduced by the ventilation system affects the total energy consumption of the building and whether these figures are acceptable. These data, along with findings from other tests, are used to determine if modifications to the system are required and if the building meets current Public Works Canada standards.  
CA PL SC

### Measurement of the thickness of the bronchial epithelium

by D.H. Bowden and F. Baldwin. Ottawa : Atomic Energy Control Board, 1989. vi, 54 p. : ill. Bibliogr. (Report ; INFO-0304)  
MICROLOG 90-00459 2 fiche

Cancer of the lung in uranium miners is thought to be related to the inhalation of gaseous radon daughters which become attached to molecules of water vapour or to dust particles. Since the depth of tissue penetration by alpha particles is short, the thickness of the epithelium that lines the bronchial tree may be a critical factor in the development of cancers at specific sites in the lung. This study measured the thickness of human bronchial epithelium; determined the distribution and depth of the nuclei of basal cells in the bronchial epithelium, and compared these parameters in groups of smokers and non-smokers. Twenty-nine surgically removed specimens of the lung were examined: 26 smokers, 3 non-smokers.  
CA LA LS SC

### Measurements of UHF radio propagation on the Baffin and Labrador coasts

by C. Bilodeau. Ottawa : Government of Canada, Dept. of Communications, Communications Research Centre, 1988. iii, 124 p. (CRC report ; no. 1430)  
MICROLOG 90-00160 2 fiche

The signal strengths received across 5 UHF paths in the Frobisher Bay and Resolution Island area were monitored for 15 months. All paths were over sea, with lengths ranging from 90-182 km. Detailed monthly summaries of day-to-day fade depth and distribution were analyzed, and comparisons with Rayleigh and Gauss distributions were made. The climatic conditions in the region are also reviewed.  
CA NO SC TE

### Measures to promote exports and foreign marketing

by B.A. Hanssen and S.O. Olsen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. viii, 99 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5446) Originally published in Norwegian, by FTFI, at Norway. ISSN 0704-3716  
MICROLOG 90-00627 2 fiche

Part of an investigation to survey internal or national factors (resources and capacity) governing the export of Norwegian seafood. This report established more detailed knowledge regarding exporters' perceptions of both possibilities and limitations for seafood sales. The report outlines the exporters' internal resources and strategies and surveys the resources and means which both public and private fisheries employ in exports and foreign marketing. The survey was divided into public and semi-public resources, private resources, and special resources for the participants in the fishing industry.  
• CA CF CO FI SC

### Measuring the profitability and effectiveness of foreign exchange market intervention : some Canadian evidence

by J. Murray, M. Zelmer and S. Williamson. Ottawa : Bank of Canada, 1990. ii, 32 p. : ill. Bibliogr. (Technical report ; 53)  
MICROLOG 90-03759 1 fiche

When the major industrial countries decided to move to a system of managed flexible exchange rates following the collapse of the Bretton Woods system, many observers thought that this would reduce, if not eliminate, the need for official foreign exchange market intervention. During the past fifteen years, however, intervention in most countries, including Canada, has risen steadily in both frequency and intensity. This paper presents new empirical evidence on the profitability and effectiveness of Canadian intervention from 1975 to 1988.  
CA CO EX

### Mécanisme d'entretien industrielle : mécanicien, mécanicienne d'entretien de machines industrielles : rapport d'analyse de situation de travail

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 25 p. ISBN 2-550-14817-7  
MICROLOG 90-04260 1 fiche

L'analyse de situation de travail a pour but de préciser les compétences sur lesquelles s'appuient les objectifs d'un programme. Elle est le reflet du consensus établi par un groupe de spécialistes du marché du travail concernant la description d'un métier en particulier. Dans un souci d'amener les diplômés de la formation professionnelle à exercer de façon compétente le métier auquel ils auront été préparés, des spécialistes de la profession décrivent à la fois le contenu et les exigences. Réunis autour d'une même table, ces spécialistes se sont entendus sur une définition commune du métier; ils en ont précisé les tâches et les opérations en plus d'établir leurs conditions de réalisation. Voilà, en somme, ce dont fait état ce rapport.  
ED PR PS QU SC

### Mécanisme du bâtiment : frigoriste : rapport d'analyse de situation de travail

Québec : Ministère de l'éducation, Direction de la formation professionnelle, 1989. 24 p. ISBN 2-550-14789-8  
MICROLOG 90-02009 1 fiche

Ce rapport a pour but de colliger et d'organiser l'information recueillie telle la description générale du métier, le processus de travail, les conditions de réalisation et exigences du travail, le comportement général et les suggestions concernant la formation, lors de l'atelier d'analyse de la situation de travail des frigoristes. L'atelier s'est tenu à Ste-Adèle les 27, 28 et 29 octobre 1987 en présence de représentants de l'industrie.  
ED LA PR QU

### Mécanisme du bâtiment : orientations pour le développement du secteur : document de consultation

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 111 p. ISBN 2-550-14792-8  
MICROLOG 90-02478 2 fiche

Le secteur professionnel Mécanisme du bâtiment regroupe les quatre spécialités du métier de tuyauteur, soit tuyauteur-plombier, tuyauteur-poseur d'appareil de chauffage, tuyauteur-frigoriste et tuyauteur-mécanicien en protection contre l'incendie, de même que les métiers de ferblantier, de mécanicien de machines fixes, de dessinateur en mécanique du bâtiment et de technicien en mécanique du bâtiment. Le document donne le profil socio-économique; la demande supplémentaire de main-d'œuvre par profession; l'organisation de la formation professionnelle; les écarts entre l'offre de diplômés et la demande supplémentaire de main-d'œuvre; les hypothèses de développement; et les programmes à développer.  
LA PL PR QU SC

### Mécanisme du bâtiment : tuyauteur-poseur d'appareils de chauffage : rapport d'analyse de situation de travail

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 24 p. ISBN 2-550-14819-3  
MICROLOG 90-02476 1 fiche

Ce rapport constitue une synthèse des informations recueillies lors de l'analyse de situation de travail de tuyauteur-poseur d'appareils de chauffage, qui s'est tenue au Château Mirabel, les 13, 14 et 15 octobre 1987. Il donne la description générale du métier, la description du travail, les habiletés transférables et les comportements généraux, ainsi que les recommandations concernant la formation.  
LA PL PR QU

### Mechanism of abrasion profile development in the coastal zone of the sea

by Y.D. Shuisky. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 11 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5430) Originally published in Russian, at Sofia, Bulgaria. ISSN 0704-3716  
MICROLOG 90-00620 1 fiche

Analysis of some accepted theories of abrasion shoreline dynamics relating to the wave erosion of cliffs. The paper proposes alternative methods of explaining more fully and reliably the unevenness of the abrasion rate in time and space, the fluctuations in the size of beaches and the amount of sediment they contain, the variations in the steepness of the bottom gradients and the form of the profile of



the cliffs and underwater slope, and the dynamics of the shoreline.  
● CA CF FI SC

#### Mechanized icing and sorting of industrial fish

by P.I. Hjertaker. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 5 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5253) Originally published in Norwegian. ISSN 0704-3716  
MICROLOG 90-02724 1 fiche

Description of a mechanized sorting machine and ice generator, ice elevator and ice bins installed on a Norwegian fishing vessel.  
● CA CF FI SC

#### Médecine du travail, surveillance médicale, droits de la personne : la voie du progrès : compte rendu de l'atelier

Médecine du travail, surveillance médicale, droits de la personne : la voie du progrès (1986 : Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1986. 44 p.  
MICROLOG 90-02020 1 fiche

Le Centre canadien d'hygiène et de sécurité au travail est la ressource nationale en information sur l'hygiène et la sécurité au travail. Il a pour objet de faciliter la consultation et la collaboration entre les administrations fédérale, provinciales et territoriales, et la participation des travailleurs et des employeurs, pour l'établissement et le maintien de normes élevées d'hygiène et de sécurité au travail répondant à la situation canadienne. Ce document présente un compte rendu de l'atelier tenu par le Centre sur la surveillance médicale et les droits de la personne.  
● CA HE LA LS SC

#### Media effects on the political process

by K.D. Philipps. Edmonton : Legislature Library, 1989. 15 p. Bibliogr.  
MICROLOG 90-02290 1 fiche

The purpose of this study is to determine what members of the media consider to be their part in the political process, and how journalists, commentators, editors, and news directors, perceive their roles and responsibilities in the policy-making process.  
AL PA PR TE

#### Medical and hospital products and equipment market sector study : final report

commissioned by the Dept. of External Affairs and International Trade. S.I. : Touche Ross International, 1989. 213 p.  
MICROLOG 90-05448 3 fiche

Details the outcome of a comprehensive review of the Australian market which established the size of the market for hospital and medical equipment; identified the major sources of supply and the relationship between imports and local production; identified the major companies active in the market; and outlined the most effective methods of market entry, and related factors that may influence the viability of any venture.  
CA CO EX HE

#### Medical personnel report, 1988

Prince Edward Island. Medical Personnel Advisory Committee. Charlottetown : The Committee, 1988. ii, 56 p. Bibliogr. CSI 62114.002  
MICROLOG 90-04284 1 fiche

The mandate of the Committee is to evaluate and recommend to the Hospital and Health Services Commission the optimum level and mix of physicians required on P.E.I.; the requirements for practitioners by community hospital; the priority listing by which physicians

should enter the province; and the mechanisms to manage the flow of physicians entering the province. This report addresses the issues of the supply and distribution of physicians.  
AP HE PR ST

#### Medical Research Council (Canada) : Report of the President 1988-89

Ottawa : The Council, 1989. 45, 49 p. : ill. Bibliogr. Bilingual. CSI 22246.003. ISBN 0-662-56895-8  
MICROLOG 90-05137 2 fiche

The Council is an agency established by Parliament in 1969 to promote, assist, and undertake basic, applied and clinical research in Canada in the health sciences. The annual report contains a description of Council programs, activities of the Secretariat, a list of current Council publications and data on awards granted, associated university and program expenditures.  
CA HE SC ST

#### Meech Lake : from centre to periphery : the impact of the 1987 Constitutional Accord on Canadian settlements : a speculation

Hilda Symonds and H. Peter Oberlander, editors. Vancouver, B.C. : University of British Columbia, Centre for Human Settlements, 1988. v, 194 p. Bibliogr. ISBN 0-88365-347-6  
MICROLOG 90-01815 3 fiche (Available on fiche only)

Up to and including the 1982 Constitution Act, Canada's settlements have been the creatures of provincial governments. The papers presented in this publication review this relationship and speculate on whether the 1987 Meech Lake Accord is likely to change this traditional relationship explicitly or implicitly.  
● CA CI PA

#### Meech Lake : implications for federal-provincial fiscal relations

by D. Bedford. Toronto : Ontario Legislative Library, 1988. 15 p. Bibliogr. (Current issue paper ; no. 75) ISSN 0835-0299  
MICROLOG 90-01591 1 fiche

Following a short introduction to present federal-provincial division of responsibilities and cost-sharing programs this issue paper notes some questions raised by the 1987 Meech Lake Accord for constitutional amendment. Several theories of federalism and a short history of federal-provincial spending agreements are presented. Next, sections 106A and 40 are analysed and possible scenarios are discussed.  
CI ON PA PR

#### The Meech Lake Accord : a constitutional conundrum

by B. Carson. Ottawa : Library of Parliament, Research Branch, 1989. 26 p. Bibliogr. (Backgrounder ; BP-186E) French ed. (L'Accord du lac Meech...) on the same fiche. ISBN 0-660-13291-5  
MICROLOG 90-01910 1 fiche

This paper presents the arguments both in favour and against each clause of the Accord. The paper is divided into three parts, each of which discusses the appropriate part of the Accord: distribution of powers, institutions, and people.  
CA CI PA

#### The Meech Lake Accord : linguistic duality and the distinct society

by B. Carson. Ottawa : Library of Parliament, Research Branch, 1989. 13 p. (Backgrounder ; BP-211E) French ed. (L'Accord du lac Meech...) on the same fiche. ISBN 0-660-13488-8  
MICROLOG 90-05358 1 fiche

The purpose of this paper is to set out the various arguments for and against the distinct society clause. These arguments concentrate upon the relationship of this clause to the Charter of Rights and Freedoms. Its supporters claim that the clause would adversely affect the equality rights in the Charter, while its opponents fear that it would jeopardize a number of hard-won Charter rights.  
CA CI CU

#### The Meech Lake Accord : the Manitoba and New Brunswick reports

by M. Dunsmuir. Ottawa : Library of Parliament, Research Branch, 1989. 47 p. (Backgrounder ; BP-218E) French ed. (L'Accord du Lac Meech...rapports...) : 90-05366/1. ISBN 0-550-13495-0  
MICROLOG 90-05365 1 fiche

This paper briefly compares the reports on the 1987 Constitutional Accord by the Manitoba Task Force and the New Brunswick Select Committee. It contains the text of the Meech Lake Accord in an appendix, and the 'distinct society' clause is incorporated into the text. Appendices also provides the recommendations of the Manitoba Task Force, and those of the New Brunswick Committee.  
CA CI CU PA

#### Meeting the adjustment challenge : a joint position paper of ministers with responsibilities for labour market matters

Provincial-Territorial Conference of Ministers with Responsibility for Labour Market Matters (1989 : Toronto, Ont.). Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 9, 9 p. Bilingual (Relever le défi du changement...).  
MICROLOG 90-00126 1 fiche

Presents the case for an adjustment strategy in order to adapt to changes in labour market needs. Describes the response from the public sector, a provincial agenda for adapting to change, and a call for federal commitment.  
● CA LA

#### Meeting the challenge : women in sales

by Ontario Women's Directorate, and General Motors of Canada Limited. Toronto : The Directorate, 1990. 48 p. : ill. Bibliogr. French ed. (Le Défi : les femmes...) : 90-04807/1.  
MICROLOG 90-04806 1 fiche

As part of the Change Agent Project, this document profiles seven women who have successful careers in non-traditional sales occupations. The purpose of this publication is to promote the employment of women in non-traditional sales occupations. It addresses both women and employers.  
LA ON PR SA

#### Meeting the challenge of global competition : Canada's year in trade, 1988-89

Ottawa : External Affairs and International Trade Canada, 1989. 17, 19 p. : ill. Bilingual (Le Défi de la concurrence mondiale...). CSI 21103.206.  
MICROLOG 90-00538 1 fiche

Contains a balance sheet, a review of the trade activities of the year, and a discussion of future opportunities in markets around the world.  
CA CO EX ST



### Meeting the need : a fairer, better system for Albertans : a White Paper on reforms to Alberta's Day Care Program

Edmonton : Alberta Family and Social Services, 1990. 36 p. CSI 34121.200.  
MICROLOG 90-03739 1 fiche

This White Paper presents reforms to the current structure of government funding for day care centre services, including child care subsidies. It also discusses reforms to training requirements for day care centre staff. The paper discusses the historical background of day care in the province; the role of parents, day care providers, and government; and recommends specific reforms to the operating allowance program, the child care subsidy program, day care staff qualifications, and to the staff-child ratio for infants.  
AL CI PR SA ST

### Meeting the Ontario Waste Management Corporation's needs for transportation and transfer station services

by F. Piorusso. Toronto : VHB Research & Consulting Group, 1987. 23 p.  
MICROLOG 90-02876 1 fiche

This study determined whether the existing transportation industry is capable of and willing to expand to meet the additional demand for services that may arise, assuming that the OWMC reaches its planned operating volumes. The Ontario Ministry of the Environment's manifest information system was used to compile summary data on sources, destinations and volumes of wastes transported in Ontario and to identify the major carriers and transfer station operators. Interviews were conducted with representatives of 10 carriers and 5 transfer station operators to determine if there were any financial, regulatory, geographic or other barriers to expansion; whether the additional demand could be served with existing capacity; if not, whether the industry could grow to meet the additional demand; and any instance where the industry will be unwilling or unable to fill the need for transportation and transfer station services in a manner that is environmentally acceptable and provides an adequate level of service at reasonable costs.  
EV ON PR SC

### Une Meilleure articulation du secondaire et du collégial : un avantage pour les étudiants

avis au Ministre de l'éducation et Ministre de l'enseignement supérieur et de la science. Québec : Conseil supérieur de l'éducation, 1989. 114 p. Bibliogr. ISBN 2-550-14983-1  
MICROLOG 90-02001 2 fiche

Cet avis comprend trois chapitres: l'articulation de la formation secondaire et de la formation collégiale; l'articulation du secondaire et du collégial dans le secteur professionnel; et, les exigences d'un leadership à la fois ministériel et partagé.  
ED PR QU

### Les Mélanges bitumineux ouverts sur les routes gravelées

par J. Dugré. Québec : Gouvernement du Québec, Ministère des transports, 1988. ii, 28 p. (Etudes et recherches en transports) (Génie et environnement) ISBN 2-550-18739-3  
MICROLOG 90-01787 1 fiche

Ce rapport porte sur la performance de la méthode de l'utilisation de mélanges ouverts à granulats grossier à basse teneur en bitume qui remplacent, comme couche de base, les mélanges bitumineux denses à plus haute teneur en bitume. On y aborde les problèmes, l'aspect économique, la somme des coûts, et la performance.  
EV PR QU SC TR

### Melfort-Tisdale Health Region No. 11 (Sask.) : Annual report 1989

S.L. : The Region, 1990. 34 p. CSI 72199.001.  
MICROLOG 90-05525 1 fiche

Annual report contains information and caseload data for each type of treatment area: public health (nurses), public health inspection, chiropody, early childhood psychology, speech language pathology, dental health, nutrition and community therapy. Also includes statistics on births, deaths and vital events.  
HE MS PR ST

### Melville (Sask.) : Financial statements for the year ended December 31, 1989

Melville, Sask. : The City, 1990. xxv p. CSI 89285.001.  
MICROLOG 90-04713 1 fiche

The statements contain balance sheets and statements for capital and trust funds, and revenue and expenditures, with detailed supporting schedules, for utilities, surplus accounts, and debt position.  
MS MU PA

### Members committee report : critical point one

Calgary, Alta. : Acid Deposition Research Program, 1989. 42 p.  
MICROLOG 90-03274 1 fiche (Available on fiche only)

The program was initiated in 1984 to carry out research on the effects of acidifying compounds in the environment. This publication reviews the objectives for the medical diagnostic review, the occupational health feasibility study and the biophysical research program. The biophysical research program consisted of continuous air monitoring for oxides of sulphur and oxides of nitrogen from sites on Fortress Mountain and in Crossfield. The medical diagnostic review carried out a health survey of the residents of Pincher Creek in the vicinity of the sour gas plant and compared it to a control group. The occupational health feasibility study conducted a study of the effects of acid deposition on workers.  
AL EV PR SC

### Members of the House of Commons : their role

by J. Stilborn and A. Wright. Ottawa : Library of Parliament, Research Branch, 1988. 12 p. Bibliogr. (Backgrounder ; BP-56E) French ed. (Le Député fédéral...) on the same fiche. ISBN 0-660-13410-1  
MICROLOG 90-03022 1 fiche

Outlines the main functions of a Member of Parliament, specifically with regards to representative, legislative, surveillance and legitimization roles. The paper considers each of these from a theoretical standpoint and the practical means by which members perform these functions.  
CA CI PA

### Mémento statistique du transport au Québec : données 1986 et 1987

Québec : Gouvernement du Québec, Ministère des transports, 1989. xiii, 176 p. : ill. (Etudes et recherches en transports) (Socio-économie des transports) CSI 66123.203. ISBN 2-550-19980-4  
MICROLOG 90-02953 3 fiche

Cette publication présente des tableaux d'information statistique de base sur le transport au Québec et met en évidence, à l'aide de figures, certaines de ses caractéristiques. Le premier chapitre définit la place du transport au Québec en termes de production, d'investissements, de prix à la consommation, de dépenses des familles urbaines et de consommation énergétique. Les autres chapitres présentent les différents modes

de transport: routier, aérien, ferroviaire, maritime et par pipe-line. Les tableaux fournissent des données sur les activités et les ressources des établissements au Québec en relation avec celles des marchandises, les infrastructures et les accidents.  
PR QU SC ST TR

### A Memo to Unesco : northern evolution, the next decade

editor: Rowan Shirkie. Ottawa : Canadian Commission for Unesco, 1988. 16, 16 p. Bibliogr. (Bulletin ; no. 11/12) Bilingual (Mémoire à l'Unesco...). The Thirtieth annual meeting of the Canadian Commission for Unesco. ISSN 0008-4557  
MICROLOG 90-05684 1 fiche (Available on fiche only)

Report of the annual meeting, concentrating on the position of native peoples, their need to maintain their culture, and the methods to do so. These methods are identified as education, maintaining cultural distinctiveness, and the need for a precise, clear policy on northern scientific research.

• CA CU NO NP

### Mémoire à l'Unesco : évolution du nord, la prochaine décennie

rédacteur: Rowan Shirkie. Ottawa : Commission canadienne pour l'Unesco, 1988. 16, 16 p. Bibliogr. (Bulletin ; no 11/12) Bilingue (A Memo to Unesco...). Trentième Assemblée annuelle de la Commission canadienne pour l'Unesco. ISSN 0008-4557  
MICROLOG 90-05684 1 fiche (Available on fiche only)

Ce document présente un bulletin de la Commission portant sur la prochaine décennie. Il se penche particulièrement sur les points suivants: l'évolution du Nord; l'Unesco et le Canada; la démocratisation de l'éducation; le maintien de la spécificité culturelle; la science et la technologie; les séminaires thématiques des sous-commissions et des comités consultatifs; et, la diversité culturelle. Finalement, le bulletin présente les nominations effectuées et donne des nouvelles en bref.

• CA CU NO NP

### Mémoires de la Société royale, 1989 : cinquième série, tome IV

Société royale du Canada. Colloques (1989). Ottawa : la Société, 1990. 449 p. : ill. Bibliogr. Les rapports sont dans la langue de présentation, français ou anglais (Transactions of the Royal...). CSI 22317.001. ISSN 0035-9122  
MICROLOG 90-04486 5 fiche

Ce document présente le tome IV de la cinquième série des mémoires de la Société royale du Canada pour l'année 1989. Il porte entre autre sur l'évolution de l'idée de progrès à travers l'histoire, l'avenir du nationalisme québécois dans une perspective interethnique et internationale, le déclin de l'empire québécois, le difficile équilibre entre droits individuels et droits collectifs, et les anglophones au Québec et leurs droits linguistiques.  
CA CU ED

### Memorial University of Newfoundland. Centre for Cold Ocean Resources Engineering : Annual report 1984-85

St. John's : The Centre, 1986. 13 p. Bibliogr. CSI 9255.001. ISSN 0709-7344  
MICROLOG 90-03339 1 fiche (Available on fiche only)

Annual report of the Centre, giving an overview of activities for the year, with more detailed information on projects in ice properties, iceberg temperatures, remote sensing, and seabed properties at Hibernia. A financial statement is included.  
AP EV PR PS SC



**Memorial University of Newfoundland.  
Centre for Cold Ocean Resources  
Engineering : Annual report 1985-86**

St. John's : The Centre, 1986. 36 p. : ill.  
Bibliogr. *CSI 99255.001*. ISSN 0709-7344  
MICROLOG 90-03473 1 fiche (Available on  
fiche only)

Annual report of the Centre, giving an  
overview of the year's activities; descriptions of  
the cooperative research projects conducted  
with industry, government and university groups  
in ice dynamics and structure, ice-structure  
interaction, ground wave radar, and seabed  
geotechnics. A list of reports and publications  
for 1985 and 1986 is included. A financial  
statement is given.  
AP EV PR PS SC

**Memorial University of Newfoundland.  
Centre for Cold Ocean Resources  
Engineering : Report of activities  
1988-89**

editor, Eleanor Nesbitt-Friis St. John's : The  
Centre, 1989. 29 p. : ill. Bibliogr.  
*CSI 99255.001*. ISSN 0709-7344  
MICROLOG 90-06616 1 fiche (Available on  
fiche only)

Annual report of the Centre, covering highlights  
of the years' activities and details on research  
projects in ice engineering, remote sensing, ice  
dynamics, ice structure interaction, ice  
information, mechanical properties, and seabed  
geotechnics. A financial statement is included.  
• CA NO NR PS SC

**The Mentally disabled population of  
the Halifax County region : needs  
and directions : a plan for the  
future : report**

Halifax : Dept. of Community Services, Officials  
Committee, 1989. 45 p. : ill.  
MICROLOG 90-03280 1 fiche

Addresses the residential and day program  
needs of the mentally handicapped by  
documenting the adequacy of current services,  
suggesting changes to the current service  
system and making long-term projections aimed  
at service direction, priorities, and growth  
requirements.  
AP MU SA

**Merchantable volume conversion  
factors and taper equations for  
commercial tree species of Ontario**

by I.S. Alemdag. Chalk River, Ont. : Forestry  
Canada, Petawawa National Forestry Institute,  
1990. 8 p. : ill. Bibliogr. (PNFI technical  
reports ; 1) *French ed. (Coefficients de  
calcul...) on the same fiche*. ISSN 1180-2618  
ISBN 0-662-17724-X  
MICROLOG 90-06802 1 fiche

The merchantable volume of single trees or  
stands is widely required in forestry.  
Merchantable volume of a tree can be defined  
as the volume of a stem from a given stump  
height to a given merchantable diameter or a  
specified height along the stem. This report  
presents merchantable volume conversion  
factors for 28 commercial tree species in  
Ontario.  
• CA FO ON SC

**Mergers and monopolies : legal  
aspects -- Rev.**

by M. Smith. Ottawa : Library of Parliament,  
Research Branch, 1989. 20 p. Bibliogr.  
(Current issue review ; 81-5E) ISBN  
0-660-13369-5  
MICROLOG 90-03030 1 fiche

This document examines policy considerations,  
the Combines Investigation Act, proposals for  
reform, the Competition Tribunal Act and the  
Competition Act, and the operation of the law.  
It also presents parliamentary action on this

matter.  
CA CI CO JU

**Mesozoic Terrestrial Ecosystems  
Symposium field trip guidebook, trip  
A : paleoecology of Upper  
Cretaceous Judith River Formation at  
Dinosaur Provincial Park, Alberta,  
Canada**

edited by D.A. Eberth. Drumheller, Alta. :  
Tyrrell Museum of Palaeontology, 1987.  
33 p. : ill. Bibliogr. (Occasional paper of the  
Tyrrell Museum of Palaeontology ; no. 1)  
MICROLOG 90-06666 1 fiche

This field trip was organized to expose the  
participants to as full a range of current and  
past palaeoecological research in Dinosaur  
Provincial Park as possible within a 1-day time  
limit. The field trip comprised 9 stops,  
including a visit to the new field station of the  
Tyrrell Museum of Palaeontology. A variety of  
topics were discussed at each stop, a brief  
outline of which is given in this guide, along  
with a summary of the stop.  
AL EV PR SC

**Mesozoic Terrestrial Ecosystems  
Symposium field trip guidebook, trip  
B : paleoecology and geology of the  
Edmonton Group (Late Cretaceous to  
Early Palaeocene), Red Deer River  
Valley, Alberta, Canada**

edited by D.R. Braman and D.A. Eberth.  
Drumheller, Alta. : Tyrrell Museum of  
Palaeontology, 1987. 27 p. Bibliogr.  
(Occasional paper of the Tyrrell Museum of  
Palaeontology ; no. 2)  
MICROLOG 90-06667 1 fiche

Description of, and guide to, a field trip to view  
portions of the Edmonton Group along the Red  
Deer River Valley in Dinosaur Provincial Park.  
Palaeological features are described for each  
of the stops.  
AL EV PR SC

**Mesure de l'humidité relative pour  
l'évaluation des risques d'incendie au  
Canada**

par M.D. Flannigan et P.J. Litwin. Chalk River,  
Ont. : Service canadien des forêts, Institut  
forestier national de Petawawa, 1989. v,  
12 p. : ill. Bibliogr. (Rapport d'information ;  
PI-X-93F) ISSN 0228-0736 ISBN  
0-662-95723-7  
MICROLOG 90-02801 1 fiche

L'humidité relative est une des nombreuses  
variables qui servent à indiquer la quantité  
d'humidité présente dans l'atmosphère.  
L'humidité relative (HR) est le rapport, en  
pourcentage, entre la pression partielle de la  
vapeur d'eau dans l'air et la pression de  
saturation de la vapeur d'eau pour une  
température donnée de l'air. Ce document  
porte sur la mesure de l'humidité relative pour  
l'évaluation des risques d'incendies au Canada.  
• CA FO SC

**Mesure de la vitesse d'échange d'air  
extérieur**

Ottawa : Travaux publics Canada, Services  
d'architecture et de génie, 1988. vi, 43, vi,  
38 p. : ill. Bibliogr. (Série sur l'évaluation du  
rendement des immeubles ; Document D37)  
*Bilingue (Measurement of outdoor air...)*.  
MICROLOG 90-02178 2 fiche

Ce document décrit une méthode qui permet  
grâce à des gaz traceurs d'évaluer la capacité  
des systèmes de ventilation de fournir de l'air  
extérieur. Les techniques proposées  
s'appliquent surtout aux grandes tours à  
bureaux, mais on peut les adapter aux autres  
types d'immeubles. De plus, il est important  
de connaître le taux d'échange entre l'air  
intérieur et l'air extérieur, c'est le principal  
critère de la performance d'un système de  
ventilation. Le document propose d'évaluer

cette performance grâce à une technique  
utilisant un gaz traceur unique pour déterminer  
le taux global de renouvellement d'air d'un  
immeuble réalisé par le système de ventilation.  
CA PL SC

**Metallogenic studies, southeastern  
Cape Breton Island**

by A.S. Macdonald. Halifax : Dept. of Mines  
and Energy, 1989. viii, 99 p. : ill., maps.  
Bibliogr. (Paper ; 89-1) *Fold. maps not  
filmed*.  
MICROLOG 90-00392 2 fiche

Results of a metallogenic survey done in 1979  
to describe and characterize the various types  
of mineralization in this area, to determine their  
geological settings, and to establish, where  
possible, the geological-space-time controls on  
their occurrence. Mapping was concentrated in  
Marion Bridge, Gabarus Bay and the Stirling  
belt. Other occurrences in the region falling  
outside of these main areas were, with several  
exceptions, also examined and sampled.  
AP NR PR PS SC

**Metallographic examination and X-ray  
analyses of two uranium alloys**

by C.F. Dixon. Ottawa : Canada Centre for  
Mineral and Energy Technology, Physical  
Metallurgy Research Laboratories, 1965.  
8 p. : ill. (Report ; PM 65-31)  
MICROLOG 90-04671 1 fiche

Four uranium alloy samples were received for  
metallographic examination and X-ray analyses.  
This paper describes the procedures used in  
testing and the results of the tests.  
• CA CM NR PS SC

**Metallurgical investigation of main  
steam line weldment cracking,  
Lakeview TGS**

by H.J. Westwood. Toronto : Ontario Hydro,  
Research Division, 1989. iv, 42 p. : ill. Bibliogr.  
(Report ; no. 89-233-K)  
MICROLOG 90-03531 1 fiche

In early March, 1989, a steam leakage in the  
vicinity of the west main steam stop valve  
caused a shutdown of Unit 3 at Lakeview  
Thermal Generating Station. Insulation removal  
and inspection revealed a large through-wall  
circumferential crack adjacent to the weld  
between a T piece and the main steam stop  
valve. Similar, but less advanced damage was  
then disclosed in the east main steam line and  
also in both east and west lines of the identical  
Unit 4 at the same location. All these sections  
were removed and sent for metallurgical  
investigation, as were other suspect sections  
from these units and units 6 and 7. This  
report concerns the conventional destructive  
metallurgical investigation which was carried out  
on the removed sections from failed, damaged  
and suspect locations to characterize the  
damage mechanism in detail and to investigate  
the reasons for the damage.  
EN ON PR PS SC

**Metallurgical works in Canada :  
primary iron and steel, 1989**

Ottawa : Energy, Mines and Resources Canada,  
1989. iii, 47 p. (Mineral bulletin ; MR 222)  
*French ed. (L'Activité métallurgique...) on the  
same fiche*. *CSI 21110.013*.  
MICROLOG 90-00283 2 fiche

Detailed list of facilities, productive capacities,  
products and other data of companies that  
comprise the primary iron and steel industry in  
Canada as of January 1, 1989. Data are also  
included on the steel pipe and tube industry,  
the iron powder and ferrite industry, the  
capacity and capability of steel furnaces, and  
the number and capacity of pig iron furnaces,  
coke ovens and sinter plants. The information  
was obtained primarily by a questionnaire sent  
to all the companies concerned. Data is given  
by province.  
CA NR PS SC ST



**Métallurgie : orientations pour le développement du secteur : document de consultation**

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 106 p. Bibliogr. ISBN 2-550-14793-6  
MICROLOG 90-04258 2 fiche

Afin de mettre en lumière les avenues possibles du développement de l'enseignement professionnel dans le secteur 'Métallurgie' et ainsi concrétiser l'importante réforme en cours, ce document ouvre dans les premiers chapitres de cet ouvrage quatre grands volets: le profil socio-économique du secteur (entreprises, travailleurs, professions, faits nouveaux); les besoins de main-d'œuvre anticipés pour chaque profession exercée dans le secteur; l'organisation de la formation professionnelle (programmes, clientèles, lieux de formation); et, l'écart entre le nombre de finissants formés par le système d'éducation et le nombre de travailleurs requis dans l'industrie.  
ED LA PR QU

**The Metallurgy of pressure tubes**

by R.G. Fleck. Toronto : Ontario Hydro, Research Division, 1990. vii, 102 p. : ill. Bibliogr. (Report ; no. 89-271-K)  
MICROLOG 90-06031 2 fiche

Report which collects relevant information on key aspects of pressure tube metallurgy. A brief description of the pressure tube and the operating conditions is given, then details are presented on the physical and mechanical metallurgical aspects of the tubes.  
EN ON PR PS SC

**A Method for the analysis of polychlorinated dibenzo-para-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs) and polychlorinated biphenyls (PCBs) in samples from the incineration of PCB waste -- Rev.**

River Road Environmental Technology Centre. Chemistry Division. Ottawa : Environment Canada, Environmental Protection Service, 1990. viii, 36, viii, 39 p. : ill. (Report ; EPS 1/RM/3) *Bilingue (Méthode d'analyse des polychlorodibenzoparadiioxines...)*. ISBN 0-662-57519-9  
MICROLOG 90-05700 1 fiche

Description of the analytical methodology used to determine the concentration of polychlorinated dibenzo-para-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs), and polychlorinated biphenyls (PCBs) in feedstock process and stack emission samples collected from PCB waste incineration. Analytical data is used to assess the destruction efficiency of the unit as well as emission levels. Procedures for sample extraction and cleanup, chromatographic separation, confirmation, and quantitation of tri-through decachlorobiphenyl and tetra-through octa-chlorinated dibenzodioxins/chlorinated dibenzofurans including the specific congeners 2,3,7,8-tetrachlorodibenzo-para-dioxin (2,3,7,8-TCDD) and 2,3,7,8-tetrachlorodibenzofuran (2,3,7,8-TCDF) are described in detail.  
• CA EV SC

**A Method of estimating whelk pot capture field area by means of an experimental ground line**

by P. Gros and L. Santeralli. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 19 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5418) *Originally published in French.* ISSN 0704-3716  
MICROLOG 90-01528 1 fiche

The rational management of a harvested

population of any species presupposes a stock of basic information, including quantities landed, harvesting effort and population size. This paper is concerned with a method of estimating the density of a target species harvested with baited traps, using the whelk fishery of the west coast of the Contentin peninsula in the western sector of the English Channel. The study estimated the effective surface area covered by the attraction plane of a baited trap under the ordinary working conditions of the fishery.  
• CA CF FI SC

**A Method of measuring CF3T activity developed for laser-based tritium separation**

by H.D. Morrison. Toronto : Ontario Hydro, Research Division, 1989. 18 p. : ill. Bibliogr. (Report ; no. 89-250-K)  
MICROLOG 90-03519 1 fiche

The development of laser-based tritium separation requires experiments on the dissociation of tritiated trifluoromethane, CF3T. Analysis of the dissociation involves measures of the changes in concentration of CF3T in CF3H by measuring the specific activity of the CF3T. This report describes the instrument and the techniques applied.  
EN ON PR PS SC

**A Method to measure the coal gas release from run of the mine coal**

by D.A. Young. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1989. vi, 49 p. : ill. Bibliogr. (Report ; CRL 89-52(TR))  
MICROLOG 90-00166 1 fiche

The Cape Breton Coal Research Laboratory environmental group is studying the sources of gas emissions into the coal mines of the Cape Breton Development Corporation. This report deals with the release of coal gas to the mine's ventilation network upon transportation of the coal from the mine. The method incorporates the use of a dry test meter and lightweight sample container that can be used in the immediate mining area to measure the amount of coal gas. The results of 8 field trials are used to present a graphical description of these release patterns.  
• AP CA CM NR PS SC

**Méthode d'analyse des polychlorodibenzoparadiioxines (PCDD), des polychlorodibenzofuranes (PCDF) et des polychlorobiphényles (PCB) dans les échantillons de résidus de combustion d'incinérateurs de PCB -- Rev.**

Centre environnemental de River Road. Division de la chimie. Ottawa : Environnement Canada, Service de la protection de l'environnement, 1990. viii, 39, viii, 36 p. : ill. (Rapport ; SPE 1/RM/3) *Bilingue (A Method for the analysis of...)*. ISBN 0-662-57519-9  
MICROLOG 90-05700 1 fiche

La méthode d'analyse décrite dans ce document sert à doser les PCDD, les PCDF et les PCB présents dans des échantillons de la charge, des gaz de cheminées et des résidus solides des incinérateurs de déchets contenant des PCB. Les résultats des dosages permettent d'évaluer le rendement des incinérateurs ainsi que le niveau de leurs émissions. La méthode présentée comprend un mode opératoire pour l'extraction des échantillons, leur purification et leur séparation par chromatographie et la confirmation de l'identité et le dosage des composés.  
• CA EV PS SC

**Méthode d'estimation de la fréquentation de la réserve de parc national de l'Archipel-de-Mingan, saison estivale 1989**

présentée à la Section politiques et recherche,

Service des parcs, Environnement Canada, Région du Québec ; par L'Ecart-type. S.I. : L'Ecart-type inc., 1989. 35 p. *CSI 21140.201*. MICROLOG 90-06363 1 fiche

La firme L'Ecart-Type a été mandatée par le Service canadien des parcs, région du Québec, afin de réaliser une étude auprès des résidents et des touristes ayant effectué au moins une visite à la réserve du parc national de l'Archipel-de-Mingan durant la saison estivale 1989. Ce rapport méthodologique sur les estimations de la fréquentation présente dans un premier temps la démarche retenue, établie par la suite les fréquentations des différents segments de clientèle de la réserve du parc national de l'Archipel-de-Mingan, indique les principales données pondérées sur une base mensuelle et déduit l'algorithme d'estimation mensuel pour les années futures.  
CA CU QU ST

**Méthode de référence en vue d'essais aux sources : mesure des rejets de mercure des usines de chlore et de soude caustique équipées d'électrolyseurs au mercure**

Canada. Division de la mesure de la pollution. Ottawa : Environnement Canada, Service de la protection de l'environnement, 1990. viii, 17, viii, 16 p. : ill. (Rapport ; SPE 1/RM/5) *Bilingue (Reference method...releases of mercury...)*. ISBN 0-662-57502-2  
MICROLOG 90-06385 1 fiche

La méthode décrite dans ce rapport sert à déterminer le débit des émissions de mercure des usines de chlore et de soude caustique équipées d'électrolyseurs au mercure. La méthode permet particulièrement de déterminer le débit d'émission de mercure dans les courants gazeux suivants: les gaz d'aération de la salle d'électrolyse; la veine gazeuse d'hydrogène; les gaz d'aération des collecteurs; et, les gaz s'échappant des cornues servant à la récupération des déchets contaminés par du mercure.  
CA EV SC

**Méthode de référence en vue d'essais aux sources : mesure des rejets de monoxyde de carbone de sources fixes -- Rev.**

Canada. Division de la mesure de la pollution. Ottawa : Environnement Canada, Service de la protection de l'environnement, 1990. vi, 12, vi, 12 p. (Rapport ; SPE 1/RM/4) *Bilingue (Reference method...releases of carbon...)*. ISBN 0-662-57693-4  
MICROLOG 90-06381 1 fiche

Ce document présente une méthode de référence d'Environnement Canada, utilisée pour déterminer la concentration de monoxyde de carbone dans les courants gazeux confinés des sources fixes. Il porte principalement sur le dispositif de prélèvement d'échantillons intégrés à l'aide d'un sac; la fiche de données pour le monoxyde de carbone; et, le dispositif d'analyse (échantillon prélevé dans un sac). De plus, il fournit des spécifications minimales de rendement sur les analyseurs de monoxyde de carbone à infrarouge non dispersif.  
CA EV SC

**La Méthode du transect et son application aux problèmes de la prospection pédologique**

par C. Wang. Ottawa : Agriculture Canada, Direction générale de la recherche, 1984. 35 p. : ill. Bibliogr. (Bulletin technique ; 1984-4F) (Centre de recherches sur les terres contribution ; no 82-02) ISBN 0-662-92480-0  
MICROLOG 90-05972 1 fiche

Cette publication décrit une méthode susceptible d'accroître la précision de la cartographie pendant tout le processus de prospection, à partir de l'élaboration de la légende jusqu'à son



achèvement. Dans ce bulletin technique, on trouve une étude du principe qui sous-tend la méthode et un exposé des techniques, des exemples de diverses régions du Canada et des États-Unis pour illustrer les applications de la méthode du transect, une description des méthodes statistiques utilisées dans la compilation des données et un exposé critique des idées préconçues sur la méthode du transect.

• AG CA PS SC

### Méthodes d'analyse de l'hexazinone dans l'eau et le sol

par G. Mamarbachi et M. Carmichael. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service des études environnementales, 1987. 9 p. Bibliogr. ISBN 2-550-18286-3 MICROLOG 90-04189 1 fiche

Ce document traite des méthodes d'analyse des résidus d'hexazinone dans l'eau et le sol. Ces méthodes sont utilisées par le laboratoire de chimie du Service des études environnementales. Il examine particulièrement le domaine d'application; le principe des méthodes; la fiabilité; le matériel; les réactifs; les techniques analytiques; et la récupération de l'hexazinone dans l'eau et le sol. AG EV NR PR QU SC

### Méthodes d'analyse du glyphosate dans l'eau, l'air, le sol, les sédiments et la végétation

par G. Mamarbachi et N. Nadeau. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service des études environnementales, 1987. 15 p. Bibliogr. ISBN 2-550-18188-3 MICROLOG 90-02798 1 fiche

Ce document traite des méthodes d'analyse des résidus de glyphosate dans divers milieux d'intérêt environnemental: l'eau, l'air, le sol, les sédiments et la végétation. Le document examine particulièrement les points suivants: le domaine d'application, le principe des méthodes, la fiabilité, le matériel, les réactifs, et les techniques analytiques tels l'extraction, la purification, la dérivation, le dosage, les calculs et expressions des résultats ainsi que les contrôles de la qualité. EN EV PR PS QU SC

### Méthodes de laboratoire pour l'analyse des sédiments -- 2e éd.

Ottawa : Environnement Canada, Direction des ressources en eau, Direction générale des eaux intérieures, Section de l'étude des sédiments, 1988. viii, 84 p. : ill. Bibliogr. MICROLOG 90-02379 1 fiche

Ce guide contient la description des méthodes d'analyse en laboratoire d'échantillons de sédiments fluviaux, et renferme les instructions détaillées pour assurer le respect des normes nationales et une certaine uniformité dans l'ensemble des Laboratoires sédimentologiques de la Division des relevés hydrologiques du Canada, pour ce qui est de ces méthodes. On se penche particulièrement sur les points suivants: les chiffres significatifs, unités et classification; la méthode pour l'analyse de la concentration; la méthode pour l'analyse granulométrique; le relevé des données relatives au tube de prélèvement de fond, la courbe d'Odén; les méthodes pour l'analyse granulométrique d'échantillons de matériaux de charriage; et, l'analyse granulométrique d'échantillons de charriage de fond. CA EV NR PS SC

### Méthodes de mesurage de la matière ligno-cellulosique coupée ou déchiquetée

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service du contrôle des récoltes, 1989. iv, 46 p. : ill. ISBN 2-550-19732-1 MICROLOG 90-02502 1 fiche

Ce document pourvoit les critères minimaux pour tout mesurage de matière ligno-cellulosique sous forme de copeaux, copeaux de sciage, copeaux de rabotage, sciure, déchiqueture. La matière peut être contenue dans un récipient, un véhicule, un navire ou en tas. Le mesurage peut aussi s'effectuer en laboratoire sur une unité échantillonnaire, une pièce ou un morceau distinct. Une partie de ce document couvre le mesurage de grandes quantités telles que les tas ou les expéditions par véhicules et bateaux. Une autre section décrit le traitement de petites quantités telles que des unités échantillonnaires ou même des pièces de matière en vue d'en appliquer les résultats à la population totale. FO PR QU SC

### Méthodes de numérisation des données sur les sédiments en suspension -- 3e éd.

Ottawa : Environnement Canada, Direction des ressources en eau, Direction générale des eaux intérieures, 1989. vii, 49 p. MICROLOG 90-02381 1 fiche

Ce guide constitue un recueil d'instructions détaillées pour l'automatisation des calculs des sédiments en suspension à l'aide d'un convertisseur analogique/numérique relié à un mini- ou micro-ordinateur. Le guide indique comment numériser une courbe de concentration sur une table de numérisation pour obtenir les coordonnées X et Y. De plus, il décrit les méthodes et pratiques normalisées que doit adopter le personnel de la Direction des ressources en eau pour la collecte, le traitement, la compilation et la publication des données d'étude des sédiments. CA EV FI NR SC

### Méthodes et outils de mesure reliés à la productivité

par R. Blake. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 54 p. Bibliogr. L'éd. anglaise (*Productivity measurement methods...*) : 90-04204/1. ISBN 0-662-94943-9 MICROLOG 90-02317 1 fiche

Ce document présente les résultats d'une recherche sur les méthodes et outils de mesure de productivité et de performance pouvant être utilisés dans un environnement de bureau. Les résultats de ce travail sont basés sur les travaux antérieurs du 'chantier productivité' de la Direction de la recherche organisationnelle, notamment une bibliographie annotée sur le sujet de 'la productivité et la bureautique', une analyse critique des écoles de pensée, l'étude de plusieurs documents spécifiques aux méthodes d'évaluation ainsi que de certains documents de la littérature 'grise' et des discussions avec des spécialistes internationaux dans le domaine de l'évaluation des impacts de la bureautique et des nouvelles technologies en général. CA LA

### The Methodology of forecasting the numbers of chum salmon *Oncorhynchus keta*, (Walbaum) and its justification

by O.F. Gritsenko and A.A. Kovtun. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5465) Originally published in Russian. ISSN 0704-3716 MICROLOG 90-00605 1 fiche

The data on the reproduction indexes of chum salmon in the Tym' River basin, northeastern coast of Sakhalin, collected over the past 25 years, have allowed calculations of the size of generations, the rate of maturation, and the coefficient of return of the generations as a whole, as well as of individual age groups with regard to the number of juvenile downstream-migrants. The forecasting includes the total

number of downstream-migrants from the natural spawning grounds and the Ado-Tymovskii fish-rearing station. An analysis of these data carried out in 1985 made it possible to develop a methodology forecasting the size of a population 1-2 years in advance.

• CA CF FI SC

### Methods for measuring the air heater leakage in a coal fired thermal generating station

by S.-D. Chang. Toronto : Ontario Hydro, Research Division, 1989. ii, 15 p. (Report ; no. 89-98-K) MICROLOG 90-00410 1 fiche

The tracer gas technique can be used to measure the air leakage to the flue gas in the air heater of a coal fired thermal generating station but the results must be verified if poor mixing is encountered. Because there is no possibility of direct measurement through conventional instrumentation, an indirect method is needed. This report presents the results of 2 methods, one based on the carbon dioxide balance, and the other based on the oxygen balance. EN ON PR PS SC

### Methods for producing liquid hydrocarbons from coal

Edmonton : Alberta Energy, Scientific and Engineering Services and Research Division, 1990. 17 p. : ill. Bibliogr. ISBN 0-86499-651-9 MICROLOG 90-03612 1 fiche

Summaries of research projects for producing liquid hydrocarbon from coal. Projects include a description of the initial coal liquefaction studies; results from a 2-kg continuous-flow bench-scale liquefaction unit used to liquify Highvale and Vesta coals in a dispersed-catalyst process involving various catalysts and single- or two-stage processing; supercritical gas extraction of coal using a lignite from Saskatchewan and a high-volatile bituminous coal from Alberta; the liquefaction of coal with natural gas; and coal conversion waste water treatment. AL EN PR PS SC

### Methods to utilize tobacco kilns for curing (drying) and/or storage of alternate crops : interim report

by D.L. Van Hooren and A.J. Ratajcius. Guelph, Ont. : Agricultural Energy Centre, 1989. 91 p. : ill. (Report ; no. 89-5103) MICROLOG 90-03942 1 fiche

In recent years, Ontario tobacco producers have had to reduce production levels due to a declining demand for flue-cured tobacco. Some of these producers have tried growing other crops to supplement their income, some of which require curing and/or storage. Every flue-curing tobacco farm in the province is equipped with either stick or bulk kilns and one or more tobacco storage barns. In 1988, projects were undertaken to develop techniques for utilizing tobacco kilns for curing and/or storage of popcorn, ginseng, peanuts, spanish onions, dried flowers and sweet potatoes. This report presents those findings. AG ON PR SC

### Méthylène-4,4'-bis-(chloro-2 aniline)

Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1990. i, 8 p. Bibliogr. (Fiche toxicologique ; no. 29) ISSN 0827-8849 ISBN 0-660-92199-5 MICROLOG 90-05579 1 fiche

Ce document présente une fiche portant sur les risques que pose le méthylène-4,4'-bis-(chloro-2 aniline). On y décrit la toxicité du produit et certaines méthodes de réduction des risques. L'accent est mis sur des renseignements ayant trait au milieu de travail.

• CA EV HE LA SC



**Metro cordon count program, 1987**

Toronto : Metropolitan Toronto Planning Dept., Transportation Division, 1988. x, 103 p. : ill., maps. *CSI 89181.003*.  
MICROLOG 90-06564 2 fiche

The program collects data on weekday vehicle and person travel throughout the Metropolitan area and uses it to monitor travel trends and the impacts of improvements to the transportation system. The 1987 program was actually conducted over 2 years, with the downtown cordon and downtown core surveyed in 1986 and the remainder of Metro Toronto in 1987. The Regional Municipalities of York and Peel also conducted cordon counts in 1987 at the same time, using similar counting standards and incorporating Metro data for the boundary crossings. The report presents a summary of the data on vehicle and person movements, distribution of trips by time; automobile occupancy; usage of subways, commuter rail services, and expressways; and the distribution of person trips between the automobile, transit and commuter rail.

MU ON SC ST TR

**Metropolitan roads : background paper**

Metropolitan Toronto (Ont.). Transportation Division. Toronto : The Division, 1989. 85 p. : ill., maps. (Metropolitan plan review : report ; no. 8)  
MICROLOG 90-00655 1 fiche

This report is part of a series of background and proposal papers prepared for a review of the official plan for the Municipality of Metropolitan Toronto, covering the cities of Toronto, Etobicoke, York, North York and Scarborough and the Borough of East York. The official plan is based on a transportation system consisting of a transit network (buses, streetcars, intermediate capacity transit, and subway) and a road network (urban expressways and arterial roads) which are supported by provincial (highways and inter-regional transit - GO) and local (collector and local roads) transportation networks, concentrating on urban transit. This paper examines the future conditions that are expected to impact the Metro road network, and the challenges and issues that will have to be addressed. It also outlines new and expanded official plan policies which place greater emphasis on the planning and operation of the Metro road system.

MU ON SC TR

**Metropolitan Toronto (Ont.). Treasury Dept. : Financial statements 1989**

Toronto : The Dept., 1990. 48 p.  
*CSI 89180.003*.  
MICROLOG 90-07066 1 fiche

The financial statements review current operations, operating revenues and expenditures, long range capital and financial planning, debt structure, debt servicing, reserves and reserve funds, and tax assessment. Includes a six-year statistical summary.

CO MU ON PA

**Metropolitan Toronto (Ont.) : Annual report 1988**

Toronto : The Municipality, 1989. 60 p. : ill. *CSI 89180.001*.  
MICROLOG 90-00746 1 fiche

This annual report provides an economic and financial perspective, financial statements, and a statistical review. It includes information on current and capital operations, long range capital and financial planning, debt administration, and significant activities.

MU ON PA

**The Mi'kmaq and criminal justice in Nova Scotia : research study**

see Royal Commission on the Donald Marshall, Jr., Prosecution, vol. 3 : the Mi'kmaq and criminal justice in Nova Scotia : research study

**Michoacán ichthyology, IV : contribution to the biology and systematics of the lampreys of Jacana, Mich., Mexico**

by J. Alvarez del Villar. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 61 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5171) *Originally published in Spanish, by the Department of Public Education National Polytechnic Institute at Mexico City, Mexico.* ISSN 0704-3716

MICROLOG 90-00079 1 fiche

In 1887, T.H. Bean described a petromyzont which he called *Lampetra spadicea*, based on a single specimen sent to him from Guanajuato. In the Spanish translation of Bean's work, published in 1892, the common name of "Jacana eel" was assigned to the species. Little attention has been given to this member of the Petromyzonidae since those early accounts. As there were only 6 known specimens of *Lampetra spadicea*, 1,354 ammocoetes and approximately 100 adults were captured and studied in Jacana and Zamora in the state of Michoacán and in Chapala Lake in Jalisco. This paper describes the growth, feeding habits and other general biological features of both the normal sized form of the eel and a dwarf form called *Tetrapleurodon geminis*.

• CA CF FI LS SC

**Mickle Township**

compiled by the Staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 56 p. : fold. map. Bibliogr. (Geological data inventory folio ; GDIF 498)  
MICROLOG 90-04116 2 fiche

Data inventory for Mickle Township, including a checklist of sources, metals and minerals reference list, mineral occurrences listed by name of owner, type of exploration work done by company, drillhole summary by company, newspaper clippings and results of a search of the ODM general index, and selected references.

NR ON PR PS SC

**Microcomputer job costing, estimating and accounting for the housing industry**

Edmonton : Alberta Municipal Affairs, Innovative Housing Grants Program, 1989. 3 p. ISBN 0-88654-253-7  
MICROLOG 90-03070 1 fiche

Pamphlet describing the ABACUS II software program, developed as an integrated software package that would assist home builders and other small to medium-sized businesses in estimating, managing and accounting for their operations.

AL PL PR PS SC

**Microelectrode studies of oxygen stress and transport in loach eggs in helium-oxygen and nitrogen-oxygen media**

by B.S. Sushko. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 12 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5211) *Originally published in Russian, in the USSR.* ISSN 0704-3716  
MICROLOG 90-02699 1 fiche

The overall material accumulated on the biological effect of helium (He) is contradictory. Alongside the viewpoint that He at normal pressure has no significant direct effect on biological systems, there is experimental confirmation that it specifically affects physiological and biochemical parameters. This paper reports the results of a study of the effect of He on oxygen conditions using a model of a single cell (a loach egg), with conclusions drawn on the basis of the intracellular oxygen stress and the overall coefficient of permeability to oxygen flow.

• CA CF FI LS SC

**Microorganismes associés aux graines d'arbre : liste de référence mondiale, 1990**

par R.K. Mittal, R.L. Anderson et S.B. Mathur. Chalk River, Ont. : Service canadien des forêts, Institut forestier national de Petawawa, 1990. 57 p. Bibliogr. (Rapport d'information ; PI-X-96) *Bilingue (Microorganisms associated with...)*. ISSN 0714-3354 ISBN 0-662-57306-4  
MICROLOG 90-03767 1 fiche

Le groupe de travail pathologique sur les graines d'arbre a été formé en 1981 par les membres du Comité des graines d'arbres et d'arbrisseaux forestiers de l'Association internationale d'essais de semences (AIES). Ce document fournit des essais d'efficacité de la technique concernant l'état de santé des graines, la présentation des résultats à la conférence de l'AIES et l'évaluation des méthodes potentielles à l'inclusion des manuels des graines forestières.

• CA FO LS SC

**Microorganisms associated with tree seeds : world checklist, 1990**

by R.K. Mittal, R.L. Anderson and S.B. Mathur. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1990. 57 p. Bibliogr. (Information report ; PI-X-96) *Bilingual (Microorganismes associés aux...)*. ISSN 0714-3354 ISBN 0-662-57306-4  
MICROLOG 90-03767 1 fiche

Alphabetical listing of hosts, their associated microorganisms, bibliographic references, and the countries of origin. The listing also indicates if a treatment is available, whether the disease is of economic importance, and if the information given is incomplete or contradictory. Where no country is listed, the origin of the organisms is not known.

• CA FO LS SC

**The Microvascular network of the caudal part of the trunk and of the caudal fins of the dolphin**

by V.V. Kupriyanov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 16 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5176) *Originally published in Russian, at Leningrad, USSR.* ISSN 0704-3716  
MICROLOG 90-00083 1 fiche

Investigation of the insulated caudal fins and the adjoining section of the trunk of the common dolphin (*Delphinus delphis*) and of the harbour porpoise (*Phocaena phocaena*). Two micropreparations were used to inject the vessels with radiopaque substance; skin and the fascia covering of the tendons (peritendineum) were taken from 3 caudal fins to show the microvessels on micropreparations by the silver impregnation method.

• CA CF FI LS SC



**Microwave satellite forecasting of snowmelt runoff**

by A. Wankiewicz. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 7 p. : ill. Bibliogr. (NHRI contribution ; no. 89020) Prepared for the 12th Canadian Symposium on Remote Sensing. ISSN 0838-1992  
MICROLOG 90-06489 1 fiche

Microwave satellite observations of snowpacks can be used to estimate spring runoff from river basins. This paper investigates the use of microwave brightness to forecast spring runoff, and compares results with those using conventional snow courses.  
CA PS SC

**Mid-Cambrian trilobites from the lowest part of the Cow Head Group, western Newfoundland**

by G.A. Young and R. Ludvigsen. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 49 p. : ill. Bibliogr. (Bulletin ; 392) ISBN 0-660-13251-6  
MICROLOG 90-00012 1 fiche

The diverse trilobite faunas described in this report belong to the C.H. Kindle collection of western Newfoundland trilobites. In 1978, the GSC acquired Kindle's collection of approximately 20,000 specimens, which he had extracted over 40 years from fossiliferous boulders of the mid-Cambrian to Middle Ordovician Cow Head Group conglomerates. This work is the first systematic study of trilobites from Kindle's collection. Of the 1300 specimens studied, 29 species representing 20 genera are described and 11 of the species are new. Three trilobite biofacies are defined based on the abundance of genera in separate boulders. The report begins with a biofacies analysis of specimen abundance of genera (or higher taxa) and then proceeds to a zonal analysis of the presence of species.  
• AP CA NR PS SC

**Mid-scale testing of dispersant effectiveness**

by R. Belore. Ottawa : Environmental Studies Research Funds ; S.L. Ross Environmental Research Limited, 1987. vi, 82 p. : ill. Bibliogr. (Environmental Studies Research Funds report ; no. 068) ISBN 0-920783-69-4  
MICROLOG 90-06961 1 fiche

Ever since chemical dispersants were produced to treat offshore oil spills, attempts have been made to develop a simple laboratory test with which to predict their effectiveness under actual field conditions. This project developed a mid-scale test for dispersant effectiveness that would incorporate all factors believed to be important in field applications. Field-scale dispersant application gear was used to apply dispersant to the oil-water system and mixing energy was generated by waves and wind to better simulate oceanic mixing. Sixteen tests were conducted to evaluate the potential of the experimental set-up and procedure. The effectiveness of two dispersants (Corexit 9527 and Enersperse 700) were evaluated on two oil types (fresh and weathered Alberta sweet mixed blend) at two thicknesses (1 mm and 0.5 mm) and at two mixing energy levels. The dispersant-to-oil ratio used was 1:20 and the water temperature was 15°C.  
• CA EV NO SC

**Mid-year mining statistics, 1989**

Toronto : Ministry of Northern Development and Mines, Mineral Development and Lands Branch, Information and Statistics Section, 1989. 90 p. : ill. CSI 55177.003  
MICROLOG 90-02784 1 fiche

Data based on the result of the census questionnaire sent out yearly to mining companies operating in Ontario. Information includes data on mineral production in Ontario, employment in mining, claims, assessment work, exploration and development expenditures, mine openings and closings, production and prices of copper, gold, nickel, silver, and zinc, and prospectors licences issued. Data is usually given for the last 10 years. A list of producing mines in Ontario for 1989-90 is also included.  
NR ON PR PS SC ST

**Midcoast timber supply area : options report**

Victoria : Ministry of Forests, 1990. 41 p.  
MICROLOG 90-05886 1 fiche

This report describes a number of resource use options which have been identified for consideration in developing a resource management plan for the midcoast timber supply area, situated in the central coastal portion of the province and bounded by Tweedsmuir Park to the east, Queen Charlotte Sound to the west, Cape Caution to the south and Mussel River to the north. The report contains various management choices and lists some of the foreseeable impacts of each. It covers timber, range, recreation, and fish and wildlife habitats, giving a description and analysis of the options. A glossary is included.  
BC FO PR SC

**Middle Silurian Ludlovian and Wenlockian sponges from Baillie-Hamilton and Cornwallis Islands, Arctic Canada**

by J.K. Rigby and B.D.E. Chatterton. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 69 p. : ill., maps. Bibliogr. (Bulletin ; 391) ISBN 0-660-13147-1  
MICROLOG 90-00951 1 fiche

This report describes one of the most diverse Silurian sponge faunas known in North America. The fossils are from the Cape Phillips Formation on Baillie-Hamilton and Cornwallis Islands, and are part of the distinct biogeographic realm that stretches north and west of the Transcontinental Arch. The fossils were obtained from both allochthonous and autochthonous beds that represent slope or basin margin environments of the Franklinian Geosyncline. It describes 5 new genera and 19 new species.  
CA NO NR PS SC

**Midwifery : a new status**

by M. Baker. Ottawa : Library of Parliament, Research Branch, 1989. 28 p. Bibliogr. (Background ; BP-217E) French ed. (Les Sages-femmes...) on the same fiche. ISBN 0-660-13494-2  
MICROLOG 90-05364 1 fiche

Although the medicalization of childbirth is essentially a twentieth century phenomenon, the assumption is prevalent in North America that births delivered by physicians in hospitals are the only safe ones. This paper shows, however, that the available research from Canada, the United States, Britain, and the Netherlands does not support this assertion.  
CA CI HE

**Miel, 1989**

Québec : Bureau de la statistique du Québec, Statistiques agricoles, 1989. 7 p.  
CSI 67131.046  
MICROLOG 90-04384 1 fiche

Le Bureau de la statistique du Québec publie l'estimation de la récolte et de la valeur du miel, à la ferme, par région agricole et par comté, pour l'année 1989. Comme on a remanié cette enquête en profondeur la comparaison des données de 1989 avec celles

des années précédentes exige une certaine prudence.  
AG PR QU SC ST

**Might suicide underreporting affect hypothesis test? The case of suicide and divorce**

by M. Speechley and F. Trovato. Edmonton : University of Alberta, Dept. of Sociology, 1989. 10 p. Bibliogr. (Research discussion paper ; no. 60) ISSN 0317-2473  
MICROLOG 90-06442 1 fiche

While there is virtual consensus that true suicides are underreported in vital statistics, the issue whether the overall extent of underreporting is sufficient to mislead epidemiologic inquiry remains unsettled. One method of estimating the completeness of official returns consists of adding to the suicide rate deaths from other mortality categories that are themselves suspected of containing misclassified suicides. The purpose of this study is to extend this approach by retesting an actual suicide hypothesis using two reformulated rates that presumably contain most missed suicides. The hypothesis to be tested concerns the positive association between rates of suicide and divorce that has recently been studied by Trovato using Canadian data.  
• BS CA SA

**Migratory game birds harvested in Canada during the 1988 hunting season**

by D.C. Boersma. Ottawa : Canadian Wildlife Service, 1990. 40 p. (Progress notes ; no. 190) French ed. (Prises d'oiseaux migrateurs...) : 90-06323/1. CSI 22210.004. ISSN 0069-0023 ISBN 0-662-17651-0  
MICROLOG 90-05535 1 fiche

Document contains statistical data on types of migratory birds killed legally by hunters with hunting permits. Overviews permit sales by type and province and types of birds killed including: ducks, geese, American woodcock, common snipe, American coot, sandhill crane, mourning doves, band-tailed pigeon and 38 types of waterfowl.  
CA CU ST

**The Military use of space**

Ottawa : Canadian Institute for International Peace and Security, 1989. 2 p. Bibliogr. (Factsheet ; 11) French ed. (L'Utilisation militaire...) on the same fiche. ISBN 0-662-17346-5  
MICROLOG 90-01975 1 fiche

Just as the military has made use of land, sea and air to carry out its operations, so too does it make use of space. The use of space by the military falls into two broad categories: the use of space for systems other than weapons, and the direct use of space for weapons purposes. This factsheet presents information on the utilization of space by the military.  
• CA CI EX SC TE

**Millbank 400 MW combustion turbine generating station : environmental impact assessment : final report**

Fredericton : NB Power, 1990. vii, 398 p. : ill., maps. Bibliogr. French ed. (Etude d'impact sur...Millbank...) : 90-06525/5.  
MICROLOG 90-06524 5 fiche

In late 1989, an opportunity arose for NB Power to sell 400 MW of peaking power to Hydro Québec beginning in 1991. Combustion turbine generating units are the only technology which could be built in time to take advantage of this opportunity. NB Power proposes to construct a thermal generating station at Millbank, on the northern shore of the Miramichi River across from the Chatham Generating Station. The proposed plant is to consist of 4x100MW combustion turbine units



fuelled with No.2 diesel oil. The plant will include on-site fuel storage tanks, a stand-alone water supply, a switchyard, and transmission facilities to connect with the existing grid. This assessment deals with the construction, operation and decommissioning of the plant in an area up to 5 km from the plant. Investigations included potential impacts on groundwater and the local airshed, noise during construction and operation, and socioeconomic impacts.

AP EN EV PR SC

**The Mineral characteristics that affect metal recoveries from the Cu, Zn, Pb and Ag ores from Manitoba, part 2 : a mineralogical evaluation of the behaviour of metallic minerals in the Trout Lake concentrator circuit**

by R.E. Healy. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1988. 2 v. : ill. Bibliogr. (Report ; MSL 88-61(IR)) Contents: Vol. 1 : Report and appendices -- vol. 2 : Detailed statistical appendices.

MICROLOG 90-05720 7 fiche

The Trout Lake deposit is a volcanogenic massive sulphide deposit that contains the recoverable metals Cu, Zn, Au, Ag, Pb, Cd, Co and Se. The study was undertaken to establish whether the volcanogenic massive sulphide deposits of Manitoba contain unique mineralogical characteristics, and whether these characteristics can be utilized to modify metallurgical practises, so that recovery could be optimised. The study was divided into part 1, which defined the mineralogical characteristics that could have a bearing on mining and mineral processing, and part 2, a mineralogical study of the behaviour of the minerals in the concentrator. This report covers part 2, which involves sampling the Trout Lake concentrator circuit, and performing sieve size, chemical, petrographic and image analysis on each of the products sampled. The image analysis included modal, grain size, and mineral liberation analysis. Material balance calculations were performed on a wide variety of the analytical data thus gathered, to determine the behaviour and inter-relationships of the metals and the minerals through the circuit.

• CA MS NR PS SC

**The Mineral characteristics that affect metal recoveries from the Cu, Zn, Pb and Ag ores from Manitoba, part 2, vol. 1 : a mineralogical evaluation of the behaviour of metallic minerals in the Trout Lake concentrator circuit**

by R.E. Healy and W. Petruk. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. vii, 269 p. : ill. Bibliogr. (Report ; MSL 89-87(IR))

MICROLOG 90-01205 3 fiche

A mineralogical study was conducted on the ores from the Trout Lake deposit, and mill products from the Trout Lake concentrator circuit. The Trout Lake deposit is a volcanogenic massive sulphide deposit that contains the recoverable metals copper, zinc, gold, silver, lead, cadmium, cobalt and selenium. The study was divided into 2 parts. This part 2 of the project involved sampling the Trout Lake concentrator circuit, and performing sieve size, chemical, petrographic and image analysis on each of the products sampled. The image analysis included modal analysis, grain size analysis and mineral liberation analysis. Material balance calculations were performed on a wide variety of the analytical data thus gathered, to determine the behaviour and inter-relationships of the metals and the minerals through the circuit.

• CA CM MS NR PS SC

**The Mineral characteristics that affect metal recoveries from the Cu, Zn, Pb and Ag ores from Manitoba, part 3 : a mineralogical evaluation of the behaviour of metallic minerals in the HBMS concentrator circuit**

by R.E. Healy and W. Petruk. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. viii, 150 p. : ill. Bibliogr. (Report ; MSL 89-139(IR))

MICROLOG 90-02559 2 fiche

Low grade Cu, Zn, Au and Ag ore fed to the HBMS concentrator circuit was supplied by the Centennial and South Main (Flin Flon) mines. Circuit samples were assayed for 15 elements, and image analysis was done to determine the modal quantities, grain size distributions and liberations of the minerals. Material balances were done to simulate the behaviour, and to determine the recovery of metals, minerals, and of free and unliberated grains of the valuable minerals at each point in the circuit.

• CA CM MS NR PS SC

**The Mineral characteristics that affect metal recoveries from the Cu, Zn, Pb and Ag ores from Manitoba, part 3, vol. 1 : a mineralogical evaluation of the behaviour of metallic minerals in the HBMS concentrator circuit**

by R.E. Healy. S.I. : Hudson Bay Mining, 1989. viii, 150 p. : ill. Bibliogr. At head of title: *Entente de développement économique et régional*. CANMET contract: 69198-01-SQ.

MICROLOG 90-07136 2 fiche

A mineralogical study was conducted on mill products (i.e. concentrator slurry samples) from the Hudson Bay Mining & Smelting (HBMS) concentrator circuit to establish whether the volcanogenic massive sulphide deposits of Manitoba contain unique mineralogical characteristics, and to determine whether these can be used to modify metallurgical practises, so that recovery could be optimised. Mineralogical studies on the ores from the Trout Lake deposit, and mill products from the Trout Lake concentrator circuit in Flin Flon comprised Parts 1 and 2 of the project. Part 3 of the project involved sampling the HBMS concentrator circuit, which is also housed in the Flin Flon concentrator. Sieve size, chemical, petrographic and image analysis was done on each of the products. The image analysis included modal, grain size and mineral liberation analysis. Material balance calculations were done on several of the analytical data gathered, to determine the behaviour and inter-relationships of the metals and minerals through the circuit. This report covers part 3 of the project.

• CA CM MS NR PS SC

**The Mineral characteristics that affect metal recoveries from the Cu, Zn, Pb and Ag ores from Manitoba, part 3, vol. 2 : a mineralogical evaluation of the behaviour of metallic minerals in the HBMS concentrator circuit**

by R.E. Healy. S.I. : Hudson Bay Mining, 1988. ii, 93 p. : ill. At head of title: *Entente de développement économique et régional*. CANMET contract: 69198-01-SQ.

MICROLOG 90-07137 1 fiche

A mineralogical study was conducted on mill products (i.e., concentrator slurry samples) from the Hudson Bay Mining & Smelting (HBMS) concentrator circuit to establish whether the volcanogenic massive sulphide deposits of Manitoba contain unique mineralogical characteristics and to determine whether these can be used to modify metallurgical practises, so that recovery could be optimised. The data presented in this

volume constitutes the raw (non-material balanced) image analysis data generated for each of the 20 mill product samples using a modified version of the major mineral routine (PRGM no. 977), namely PRGM no. 971. These data were incorporated into the computations of the condensed data for the 17 mill products, upon which all the material balance calculations were performed. The grain size distributions of free galena grains are not given separately here.

• CA CM MS NR PS SC

**The Mineral characteristics that affect metal recoveries from the Cu, Zn, Pb and Ag ores from Manitoba, part 4 : a mineralogical evaluation of the behaviour of metallic minerals in the Stall Lake concentrator circuit**

by R.E. Healy. S.I. : Hudson Bay Mining, 1990. 68 p. : ill. Bibliogr. CANMET contract: 69198-01-SQ.

MICROLOG 90-07138 1 fiche

A mineralogical study was conducted on mill products (i.e. concentrator slurry samples) from the Stall Lake concentrator circuit to establish whether the volcanogenic massive sulphide deposits of Manitoba contain unique mineralogical characteristics, and to determine whether they can be used to modify metallurgical practises, so that recovery could be optimised. Metallurgical studies on the ores from the Trout Lake deposit, and mill products from the Trout Lake concentrator circuit in Flin Flon were parts 1 and 2 of the project. Part 4 involved sampling the feed, concentrates and tailings of the Stall Lake concentrator circuit, which is housed in the Hudson Bay Mining & Smelting Snow Lake concentrator. Sieve size, chemical, petrographic and image analysis was done on each of the 4 products. The image analysis included modal, grain size, mineral liberation and mineral association analysis. Material balance calculations were done on several of these analytical data, to determine the behaviour and inter-relationships of the metals and minerals through the circuit.

• CA CM MS NR PS SC

**The Mineral characteristics that affect metal recoveries from the Cu, Zn, Pb and Ag ores from Manitoba, part 5 : a mineralogical evaluation of the behaviour of metallic minerals in the Chisel Lake concentrator circuit**

by R.E. Healy. S.I. : Hudson Bay Mining, 1990. 90 p. : ill. Bibliogr. At head of title: *Economic and Regional Development Agreement*. CANMET contract: 69198-01-SQ.

MICROLOG 90-07139 1 fiche

A mineralogical study was conducted on concentrator slurry samples to establish whether the volcanogenic massive sulphide deposits of Manitoba contain unique mineralogical characteristics, and whether these can be used to modify metallurgical practises and optimise recovery. Parts 1 and 2 evaluated ores from the Trout Lake deposit and mill products from the Trout Lake concentrator circuit in Flin Flon, part 3 evaluated the behaviour of minerals in the Hudson Bay Mining & Smelting (HBMS) concentrator circuit, and part 4 evaluated the behaviour of minerals in the Stall Lake concentrator circuit. Part 5 involves sampling the feed, concentrates and tailings of the Chisel Lake concentrator circuit, housed in the HBMS Snow Lake concentrator. Sieve size, chemical, petrographic and image analysis was done on each of the 4 products. The image analysis included modal, grain size, mineral liberation and mineral association analysis. Material balance calculations were done on several of these analytical data, to determine the behaviour and inter-relationships of the metals and minerals through the circuit.

• CA CM MS NR PS SC



**Mineral deposits and occurrences in the Duval Lake area, NTS 63N/4**

by G. Ostry. Winnipeg : Manitoba Energy and Mines, Geological Services, 1990. iv, 46 p. : maps. Bibliogr. (Mineral deposit series ; report no. 13) *Fold. map not filmed.* MICROLOG 90-06308 1 fiche

Listing of mineral deposits and occurrences in the Duval Lake area by 26 specific locations. Each location listing includes the name of the property, access, exploration summary, geological setting, mineralization, area, geochemical data, classification and references. A general geology of the area and the methodology are also given. MS NR PR PS SC

**Mineral deposits and occurrences in the File Lake area, NTS 63K/16**

by M.A.F. Fedikow...et al. Winnipeg : Manitoba Energy and Mines, Geological Services, 1989. viii, 277 p. : maps. Bibliogr. (Mineral deposit series ; report no. 5) *Fold. map not filmed.* MICROLOG 90-02349 3 fiche

One of a series of reports presenting information on mineral occurrences in the province of Manitoba. The report gives a general geology of the area and descriptions of various locations covering access, an exploration summary, the geological setting, mineralization, geochemical data, and classification. MS NR PR PS SC

**Mineral deposits and occurrences in the Garner Lake area, NTS 52L/14**

by P. Theyer and K.J. Ferreira. Winnipeg : Manitoba Energy and Mines, Geological Services, 1990. vi, 173 p. : maps. Bibliogr. (Mineral deposit series ; report no. 10) *Fold. map not filmed.* MICROLOG 90-06305 2 fiche

Report on the mineral deposits and occurrences in the Garner Lake area. The report gives a general geology of the area, then describes each location by property name, access, exploration summary, geological setting, mineralization, geochemical data, classification and references. Maps relating to each location are included but the large aerial map was not reproduced. MS NR PR PS SC

**Mineral deposits and occurrences in the Lynn Lake area, NTS 64C/14**

by D.A. Baldwin. Winnipeg : Manitoba Energy and Mines, Geological Services, 1988. iv, 130 p. : ill., maps. Bibliogr. (Mineral deposit series ; report no. 6) *Fold. map not filmed.* MICROLOG 90-02360 2 fiche

One of a series of reports presenting information on mineral occurrences in the province of Manitoba. The report gives a general geology of the area and descriptions of various locations, covering access, an exploration summary, the geological setting, mineralization, geochemical data, and classification. MS NR PR PS SC

**Mineral deposits and occurrences in the Manigotagan Lake area, NTS 52L/13**

by P. Theyer and P.H. Yamada. Winnipeg : Manitoba Energy and Mines, Geological Services, 1988. vi, 108 p. : maps. Bibliogr. (Mineral deposit series ; report no. 4) *Fold. map not filmed.* MICROLOG 90-02354 2 fiche

One of a series of reports presenting information on mineral occurrences in the province of Manitoba. The report gives a general geology of the area and descriptions of various locations, covering access, an exploration summary, the geological setting,

mineralization, geochemical data, and classification. MS NR PR PS SC

**Mineral deposits and occurrences in the Tramping Lake area, NTS 63K/9**

by K.J. Ferreira and M.A.F. Fedikow. Winnipeg : Manitoba Energy and Mines, Geological Services, 1990. v, 96 p. : maps. Bibliogr. (Mineral deposit series ; report no. 7) *Fold. map not filmed.* MICROLOG 90-06307 2 fiche

Listing of mineral deposits and occurrences in the Tramping Lake area. The report includes a methodology and a general geology of the area, and detailed information from 45 locations. Information at each location includes the name of the property, access, exploration summary, geological setting, mineralization, area, geochemical data, classification and references. MS NR PR PS SC

**A Mineral resource assessment of the Chilkol Lake planning area**

by G.P. McLaren. Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1990. xiv, 117 p. : ill., maps. Bibliogr. (Bulletin ; 81) *Fold. maps not filmed.* ISSN 0226-7497 ISBN 0-7718-8869-4 MICROLOG 90-05842 2 fiche

The Chilkol Lake planning area encompasses a portion of the transition zone between the mountains of the Coast Ranges and the rolling terrain of the interior plateau in south-central B.C. It comprises an area of high wildlife and recreational resource values that have long been studied as a candidate for a provincial park with a region of high mineral potential. This mineral resource assessment was undertaken to determine the mineral potential of the planning area in detail. A program of 1:50,000 scale geological mapping, detailed stream-sediment sampling, and prospecting with extensive rock chip sampling was conducted to identify the mineral potential. BC NR PR PS SC

**Mineralogical examination of tailings from the Heath Steele Mill, Newcastle area, New Brunswick**

by J.L. Jambor and D.W. Blowes. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. ii, 23 p. : ill. Bibliogr. (Report ; MSL 89-137(IR)) MICROLOG 90-07116 1 fiche

The Heath Steele minesite is about 51 km northwest of Newcastle, New Brunswick. The exploited orebodies are of the massive sulphide type, and consist of a lead-zinc ore hosted predominantly by pyrite, and a copper-rich ore in which the main iron sulphide is pyrrhotite. Production began in 1957, but periodic shutdowns have occurred. Mill tailings were deposited in 2 impoundments. As part of a comparative study of cemented layers in the tailings, 10 samples were analysed and characterized both visually and microscopically. This report presents the results of the analysis. • AP CA CM NR PS SC

**The Mineralogy and geochemistry of the Hemlo gold deposit, Ontario**

by D.C. Harris. Ottawa : Geological Survey of Canada, 1989. 92 p. : ill., maps. (Economic geology report ; no. 38) ISBN 0-660-13269-9 MICROLOG 90-01132 1 fiche

The Hemlo gold deposit is near the northeast shore of Lake Superior, 35 km east of Marathon, Ontario, adjacent to the TransCanada Highway. This report describes the mineralogy of the main Hemlo gold deposit, the distribution of the various minerals and some geochemical

characteristics of the ore zones. The study was carried out by reflected light and transmitted light microscopy, quantitative and qualitative electron-microprobe analysis and geochemical analysis. CA NR ON PS SC

**Mineralogy of the Lake Zone, Thor Lake, N.W.T. : final report**

by D.R. Pinckston and D.G.W. Smith. Yellowknife : Indian and Northern Affairs Canada, NWT Geology Division, 1988. 13 p. Bibliogr. MICROLOG 90-00029 1 fiche

An economically significant beryllium, niobium, tantalum, REE, yttrium, zirconium, gallium deposit, known as the Thor Lake rare-metal deposit, lies approximately 100 km southeast of Yellowknife and about 5 km north of Great Slave Lake. Mineralization is associated with a peralkaline pluton containing the Thor Lake syenite and Grace Lake granite which is, in turn, part of a larger body known as the Blachford Lake intrusive suite. Five zones in this deposit have been identified. The T, R, S, Lake and Fluorite zones. This report presents the results of a mineralogical study. NO NR PR PS SC

**Mines and mineral activities, 1988**

Northern Affairs Program (Canada). Ottawa : The Program, 1989. 48 p. : ill., maps. CSI 21113.006 ISBN 0-662-17280-9 MICROLOG 90-02252 1 fiche

This annual report covers mines and mineral activities for the Yukon and Northwest Territories for the calendar year 1988. The report gives a summary of activities in each territory, then covers in more detail mineral production, mines, placer mining, development, mineral exploration and exploration projects for each separately. An overview of the demand for northern commodities is given, including the pricing of major northern metals, structural demand change for lead and zinc and the present market. Data supporting the information is included for the current and past 10 years. CA NO NR PS SC ST

**Mines Branch activities, 1971**

Ottawa : Dept. of Energy, Mines and Resources, 1971. vi, 293 p. Bibliogr. (Report ADM 71-3) MICROLOG 90-04498 4 fiche

Compilation of the various activity statements in mining, metals and minerals technology (mineral processing, extraction metallurgy, mineral sciences), energy (fuels research, metals reduction and energy, extraction metallurgy, physical metallurgy), and environmental improvement. For each of these, the objective is given, along with the background and scope, descriptions of the activities, and a 3-year financial forecast of sub-activities. A 3-year forecast summary of Mines Branch activities is also included. • CA CM NR PS SC

**Mines Branch Program on Environmental Improvement -- Rev.**

compiled by F.T. Rabbitts. Ottawa : Dept. of Energy, Mines and Resources, Mines Branch, 1970. 18 p. (Report ; ADM 70-3) MICROLOG 90-04499 1 fiche

Summary of the principal air pollutants and estimates of their current and future magnitudes. The current activities and capabilities of the Mines Branch for scientific and technical investigations in the overall area of environmental improvement are also described. A list of current and proposed projects is included. • CA CM EV NR PS SC



**Mines Branch Seminar on Environmental Improvement**

Ottawa : Dept. of Energy, Mines and Resources, Mines Branch, 1970. i, 95 p. (Report ; ADM 70-1)  
MICROLOG 90-04494 1 fiche

Summary of presentations at the seminar, covering total air pollution in Canada from primary and secondary minerals and metals industries (mining, mineral and metals extraction and processing); advances in mineral and metal recovery and refining processes and their effect on abating pollutant emission to the atmosphere; known properties, both chemical and physical, of pollutants emitted by mineral and metal processes; and research and pilot-plant facilities of each division and research centre that are now, and may in the future, be useful in the program.  
• CA CM EV NR PS SC

**Mines et usines de traitement de minéraux au Canada, 1989**

Ottawa : Énergie, mines et ressources Canada, 1990. iii, 69, iii, 63 p. (Bulletin minéral ; MR 224) *Bilingue (Mining and mineral processing...)*. CSI 21110.020. ISBN 0-660-55760-6  
MICROLOG 90-06566 2 fiche

Ce rapport est une compilation de données concernant les mines et les installations de traitement au Canada. Le document donne des renseignements importants concernant les mines et usines de traitement de minéraux industriels et les producteurs de chaux au pays. Ces renseignements comprennent le nom des exploitants, l'emplacement de la mine ou de l'usine, sa capacité de production, les procédés utilisés, les produits et les autres détails qui revêtent un intérêt particulier. De plus, on y donne la liste des principales usines métallurgiques au Canada dans lesquelles on procède au traitement de minerais et de concentrés de métaux ferreux et précieux depuis le 1er janvier 1989.  
CA NR PS SC ST

**Mines in the making, northwestern British Columbia : a review of 1989 exploration and mining activity in northwestern British Columbia**

by D. Lefebvre and M.L. Malott. Victoria : Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1990. 22 p. : ill., maps. (Information circular ; 1990-6) ISSN 0828-6094  
MICROLOG 90-05542 1 fiche

Annual review of exploration and mining activity in northwestern B.C., including an overview and highlights of activities. Further details are given by location in the Tatshenshini River Area and the Houston-Whitesail Lake Area. Information is also given by type of mine (coal, placer, development projects, and operating mines).  
BC NR PR PS SC

**Mines, 1975 : revue des travaux de CANMET en 1973 et 1974**

Centre canadien de la technologie des minéraux et de l'énergie. Ottawa : le Centre, 1976. viii, 59 p. : ill.  
MICROLOG 90-04681 1 fiche

Ce document analyse les objectifs et les principaux travaux de la Direction des mines du ministère de l'Énergie, des Mines et des Ressources. Il porte particulièrement sur les points suivants: la technique minière; la technologie minière; la technologie des métaux; les recherches sur l'énergie; l'amélioration écologique; l'information scientifique et technique; et, la division des services techniques.  
• CA CM EN NR SC

**Minimization/utilization of mineral industry effluent treatment sludges**

Montreal : Gionet, Mellor, Liebich Associates Limited, 1989. 53 p. : ill. Bibliogr. CANMET contract: 79212-01-SQ.  
MICROLOG 90-05648 1 fiche

The mineral industry generates large volumes of effluent treatment sludges, some of which may be classified as hazardous wastes based on previous studies. This study considered a number of means for dealing with the problem including sludge dewatering, treatment of effluents by ion exchange with subsequent metal recovery, and reprocessing of sludges either on-site by the use of solvent extraction, or in mineral industry smelters and refineries. Flowsheets for these processes were derived, and cost estimates were prepared.  
• CA CM EV NR PS SC

**Minimum ignition temperatures of dust layers using the Setchkin apparatus**

by K.J. Mintz. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. iii, 22 p. : ill. Bibliogr. (Report ; MRL 90-037(TR))  
MICROLOG 90-07124 1 fiche

The ignition of dust layers on hot surfaces is a potential hazard in many industries, because it can result in a major fire or even an explosion. There are two methods for measuring the minimum ignition temperature (MIT), the second of which is addressed in this paper. This second method is the furnace method, in which the sample is surrounded by a uniform temperature. This project developed a method for routine use of the Setchkin apparatus for measuring the MIT of dust layers and studied the effects of the various parameters on the results. Pittsburgh standard coal dust and lycopodium are widely used as standards; both of them were used in this study.  
• CA CM NR PS SC

**Mining and mineral processing operations in Canada, 1989**

Ottawa : Energy, Mines and Resources Canada, 1990. iii, 63, iii, 69 p. (Mineral bulletin ; MR 224) *Bilingual (Mines et usines de traitement...)*. CSI 21110.020. ISBN 0-660-55760-6  
MICROLOG 90-06566 2 fiche

Significant information concerning metal mines and processing plants, industrial mineral mines and processing plants, listing the name of operator, location of the mine or plant, capacity, processes, products and other details of special interest. Also lists the principal metallurgical works in Canada as of January 1, 1987, that treat ores and concentrates of nonferrous and precious metals. Excludes scrap refiners and refiners of secondary material, foundries, base-bullion gold refineries associated with mines, and fabricating plants. Data provided by participating companies.  
CA NR PS SC ST

**Mining Automation, II : proceedings of the second workshop**

sponsored by CANMET/Mining Research Laboratories. Ottawa : Energy, Mines and Resources Canada, Canada Centre for Mineral and Energy Technology, 1986. viii, 85 p. Bibliogr. (CANMET special publication ; SP87-1) *Reports are in the language of presentation, English or French (Automatisation de l'exploitation...)*. ISBN 0-660-53790-7  
MICROLOG 90-05251 1 fiche

In 1985 a proposal was made to establish an international research centre for innovative systems of remote mining in the U.S. CANMET was requested to study the proposal and to prepare a Canadian response. To

bring together representatives of the Canadian mining industry and get their views on the proposal, a workshop was held in March 1986, attended mainly by representatives of hardrock mining, with few operators of open pit mines and quarries, as well as other key sectors. In an attempt to establish the viewpoints of the missing sectors, a second workshop was held in October 1986, with similar results. This report contains all of the written submissions received in connection with the workshop, as well as brief summaries of the principal points made for non-written submissions. Views and opinions of the universities, manufacturers and consultants, the mining industry, government organizations, and other organizations and individuals are presented.  
CA CM NR PS SC

**Mining in British Columbia, 1981-85**

Victoria : Ministry of Energy, Mines and Petroleum Resources, 1989. v, 141 p. CSI 37104.202. ISSN 0823-1265  
MICROLOG 90-04142 2 fiche

Summary of mining activities in B.C., divided into mine production and the report of the Chief Inspector. Metal mine production is listed by location and individual mine, while non-metallic mines and quarries are listed by material produced and individual mine. Each mine listing includes information on precise location, NTS map number, short geographical and geological description, owner, short history, and references. The report of the Chief Inspector presents summary data on fatal accidents, dangerous and unusual occurrences, prosecutions, blasting certificate suspensions, environmental control, certificates awarded, and activities in mine safety and rescue.  
BC NR PR SC ST

**Mining in British Columbia, 1986-87**

Victoria : Ministry of Energy, Mines and Petroleum Resources, 1990. v, 96 p. : maps. CSI 37104.202. ISSN 0823-1265  
MICROLOG 90-06756 2 fiche

Report on mining activity in B.C., divided into 2 parts. Part I covers the report of the Chief Inspector and contains details of mine inspection and safety practices in mining, and an account of the work of the Inspection and Engineering Branch relating to all phases of mineral production. Part II provides location, a brief description, a summary of activity, and production data for all major metal, non-metal, and coal mines in B.C.  
BC NR PR SC ST

**MINISIS Users' Group, Meeting : proceedings**

MINISIS User's Group. Meeting (1988 : Ottawa, Ont.). Ottawa : International Development Research Centre, 1988. 236 p. : ill. (Manuscript report ; 250e) *Papers are in the language of presentation, English, French or Spanish.*  
MICROLOG 90-03208 3 fiche (Available on fiche only)

Proceedings of the conference, covering the MINISIS program in the future, MINISIS version G, software packages, use in libraries, management of large databases, and various applications.  
CA EX PS SC

**Ministerial Task Force on International Business Education : technical report**

Alberta. Task Force on International Business Education. Edmonton : Alberta Advanced Education, 1989. 260 p. : ill. Bibliogr. *Interim report (22 p.) laid in.*  
MICROLOG 90-00275 3 fiche

This report discusses the profile of and the need for the clientele for international business education, the current status of international business programs, and the nature of



international business programming. It also presents a definition of education and training for international business, and examines the need for education and training in international business. It includes recommendations.  
AL CO ED PR

### Ministry of Forests guideline to selecting parent trees in B.C.

British Columbia. Ministry of Forests. Victoria : The Ministry, 1990. 44 p. : ill. Bibliogr.  
MICROLOG 90-04746 1 fiche

Guideline to introduce the concepts and procedures of parent tree selection. The guide discusses recommended planning procedures; reviews various field selection methods used in B.C.; provides selection criteria pertaining to most conifer species in B.C.; presents instructions to complete the parent tree record form and mark selected trees for field identification; and outlines registration procedures for newly selected parent trees.  
BC FO PR SC

### The Ministry of State for Urban Affairs : a courageous experiment in public administration

H. Peter Oberlander and Arthur L. Fallick, editors. Vancouver, B.C. : University of British Columbia, Faculty of Graduate Studies, Centre for Human Settlements, 1987. 142 p. Bibliogr. ISBN 0-88865-331-X  
MICROLOG 90-01575 2 fiche (Available on fiche only)

This document presents papers which cover the following topics: a legislative chronology; how to create a Ministry while operating it; the origins of the Ministry of State; the Ministry of State for Urban Affairs and the regionalization of federal urban programs; recollections from a provincial perspective; the golden hour of municipal politics; urban impact assessment and the Ministry of State for Urban Affairs; a review of the priorities and planning division of the Ministry of State for Urban Affairs; research based urban policy; and the Ministry of State for Urban Affairs: the future of its past.  
● CA PA

### Minority language education rights : section 23 of the Charter

by J.-C. Ducharme. Ottawa : Library of Parliament, Research Branch, 1989. 18 p. Bibliogr. (Current issue review ; 89-6E) French ed. (Les Droits à l'instruction...) on the same fiche. ISBN 0-660-13327-X  
MICROLOG 90-01849 1 fiche

Section 23 of the Charter enables Canadian parents to have their children educated in the official language of their choice. However, the right to minority language education is not an absolute one; certain conditions must be met before the right can be claimed. After a brief discussion of the relationship between denominational and linguistic rights, this paper describes conditions for exercising rights to minority language education and the scope of these rights.  
CA CI ED SA

### Miscellaneous archaeological research projects at historic period Ontario Region sites, 1986

compiled by Sheryl Smith. Ottawa : Environment Canada, Canadian Parks Service, 1990. 15 p. : ill. (Research bulletin ; no. 281) French ed. (Divers projets de fouilles...) on the same fiche. ISSN 0228-1228  
MICROLOG 90-04610 1 fiche

This bulletin covers archaeological research projects on the Rideau Canal, Point Clark, Fort Malden, the Battle of the Windmill in Johnston, the waterfront property in Prescott, Fort Wellington at Prescott, and Fort George at

Niagara-on-the-Lake,  
CA CU ON

### Mise au point d'un système interactif-graphique pour la planification tactique du transport des marchandises

par J.-F. Mondou. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. xii, 262 p. : ill., cartes géogr. Bibliogr. (Publication ; no. 677)  
MICROLOG 90-03006 3 fiche

L'objectif de ce programme de recherche porte sur l'étude et la mise au point d'un prototype d'un système interactif graphique, intégrant un modèle et des algorithmes de recherche opérationnelle, pour la planification tactique du transport interurbain des marchandises. On examine particulièrement les points suivants: la situation du problème; les éléments de programmation mathématique; la revue de la bibliographie; la mise en oeuvre et les expérimentations numériques; les chemins les plus courts entre tous les couples de sommets; la structure des données; et l'interface graphique.  
PR PS QU SC TR

### Mise en oeuvre de la Convention définitive des Inuvialuit de l'Arctique de l'Ouest : Examen annuel 1988-89

Ottawa : Affaires indiennes et du Nord Canada, 1989. 29, 24 p. : ill. Bilingue (Western Arctic...). CSI 21173.010. ISBN 0-662-57012-X  
MICROLOG 90-03153 1 fiche

La Convention a pour objectifs principaux de sauvegarder l'identité culturelle et les valeurs des Inuvialuit au sein d'une société nordique en voie d'évolution; de permettre aux Inuvialuit d'être des participants à part entière de la société ainsi que de l'économie nordique et nationale; et enfin, de protéger et de préserver la faune, l'environnement et la productivité biologique de l'Arctique.  
● CA NO NP

### Mise en oeuvre de la Loi sur les services en français : profil de la communauté francophone de l'Ontario -- Rév.

Ontario. Ministère des affaires municipales. Direction des services en français. Toronto : le Ministère, 1990. 13, 13 p. Bilingue (Implementation of the French...). ISBN 0-7729-5576-X  
MICROLOG 90-05574 1 fiche

La Loi de 1986 sur les services en français est entrée en vigueur le 19 novembre 1989. A partir de cette date, les ministères et organismes du gouvernement provincial ont l'obligation légale d'assurer toute la gamme des services en français dans les 22 régions désignées de la province. Cette publication fournit une information de base sur les caractéristiques de la communauté francophone et décrit les différentes facettes de l'implication du Ministère dans la mise en oeuvre de la Loi.  
CU ON PR SA

### La Mise en oeuvre de la politique sur les langues officielles : profils

Fredericton : Conseil de gestion, 1990. 811 p. Bilingue (Implementation of the official...profiles).  
MICROLOG 90-03201 9 fiche

Le Conseil de gestion du Nouveau-Brunswick présente les profils de la mise en oeuvre de la politique sur les langues officielles. Il examine particulièrement les différents ministères, conseils et commissions et fournit des renseignements sur chacun d'eux.  
AP PA PR

### La Mise en oeuvre de la politique sur les langues officielles : rapport

Fredericton : Conseil de gestion, 1990. ii, 20, ii, 20 p. Bilingue (Implementation of the official...report).  
MICROLOG 90-03193 1 fiche

Le document se penche particulièrement sur les points suivants: le plan de mise en oeuvre; la méthode de travail; les facteurs déterminants la composition de chaque équipe et les compétences linguistiques exigées; la classification des compétences linguistiques en vue de la constitution des équipes de travail; comment compléter les équipes de travail désignées; les données statistiques relatives aux compétences linguistiques requises au sein des équipes de travail; la marche à suivre pour la mise en oeuvre de la politique des langues officielles; et, les activités de soutien futures en matière de mise en oeuvre.  
AP PR

### La Mise en service des centrales nucléaires

Canada. Comité consultatif de la sûreté nucléaire. 1989. iii, 8 p. Bibliogr. (Rapport de recherche ; INFO-0317) L'éd. anglaise (The Commissioning of nuclear...) sur la même fiche.  
MICROLOG 90-01715 1 fiche

En réponse à la demande de la Commission de contrôle de l'énergie atomique, ce rapport indique l'objectif et les exigences à remplir avant de mettre en service des centrales nucléaires. Chaque fois que cela est pratique, les systèmes devraient être soumis à des essais complets sur place. En cas contraire, le rapport présente d'autres moyens possibles.  
CA EN SC

### Mise hors la loi d'une abomination séculaire : la torture : Convention contre la torture et autres peines ou traitements cruels, inhumains ou dégradants : premier rapport du Canada

Ottawa : Multiculturalisme et citoyenneté Canada, 1989. 60, 56 p. Bibliogr. Bilingue (Outlawing an ancient evil...). ISBN 0-662-56979-2  
MICROLOG 90-02464 2 fiche

Ce rapport couvre principalement la période comprise en entre le 24 juillet 1987 et le 31 mars 1988. La première partie situe la Convention dans le contexte du système constitutionnel canadien, alors que la deuxième partie mentionne les mesures en vigueur au niveau fédéral et aux niveaux provinciaux et territoriaux pour rendre effectives les dispositions de la Convention. Le rapport donne des renseignements généraux; des renseignements sur la Convention contre la torture et autres peines ou traitements cruels, inhumains ou dégradants; et, les fonds de contributions volontaires des Nations Unies pour les victimes de la torture.  
BS CA JU SA

### Mispec Resources Inc. gold project : Cape Spencer, New Brunswick

by R.F. Mann. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. iv, 100 p. : ill., map. Bibliogr. (Open file report ; 89-47) Fold. map not filmed. ISSN 0712-4562  
MICROLOG 90-03190 2 fiche

Mispec Resources Inc. is currently exploring its mining licence located near Cape Spencer, about 16 km east of Saint John. Several auriferous alteration zones, identical to the adjacent producing gold deposit (owned by Gordex Minerals Ltd.) occur in the Mispec Resources property. This program delineated the road zone deposit to its south and east limits by NQ core drilling and ascertained an estimate of the grade of the enriched surficial



material overlying the auriferous alteration zone.  
AP NR PR PS SC

### Les Missiles de croisière et les essais de ces engins au Canada

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1988. 2 p. Bibliogr. (Fiche d'information ; 3) L'éd. anglaise (*The Cruise missile...*) sur la même fiche. ISBN 0-662-95065-8  
MICROLOG 90-01978 1 fiche

Un missile de croisière est un missile guidé qui ressemble à un avion sans pilote. Il est propulsé par un moteur à réaction et peut transporter une ogive classique ou nucléaire. Les missiles de croisière d'aujourd'hui sont en fait issus des V-1 que l'Allemagne nazie utilisait pendant la Seconde Guerre mondiale. Ces engins avaient une portée de 200 kilomètres et étaient dirigés contre des cibles des forces alliées. Cette brochure donne des renseignements sur les missiles de croisière et les essais de ces engins au Canada.

• CA EX

### Missinaibi Provincial Park : proposed zoning and policy options

Toronto : Ministry of Natural Resources ; Ottawa : Canadian Heritage Rivers Board, 1990. 37 p. : maps. French ed. (*Parc provincial Missinaibi...*) on the same fiche. ISBN 0-7729-6766-0  
MICROLOG 90-05635 2 fiche

This document presents options for the management of Missinaibi Provincial Park over the next 20 years, including a zoning scheme to protect the natural and cultural features and provide for compatible recreational use, and alternatives for managing specific issues. Guidelines for tourist development are also included.

CU NR ON PR SC

### Mission statement of the National Parole Board

Canada. National Parole Board. Ottawa : The Board, 1986. 11, 12 p. Bilingual (*Enoncé de mission...*). ISBN 0-662-57076-6  
MICROLOG 90-01610 1 fiche

The Board as part of the Criminal Justice System, makes independent, conditional release decisions and clemency recommendations. This mission statement identifies the ultimate objective of the Board. It provides the Board with an overall direction and a framework for planning, policy development, and accountability, while guiding daily operations.

CA JU

### Mission, principles and priorities : a ministry management plan

British Columbia. Ministry of Environment. Victoria : The Ministry, 1989. 9 p.  
MICROLOG 90-00018 1 fiche

The mandate of the Ministry is to encourage a sustainable environment, and curb environmental degradation. This document includes the guiding principles of the ministry, its strategic priorities, and implementing priorities.

BC EV PR

### Mn-Ta-oxides : phase relationships at 1200C

by A.C. Turnock. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. i, 13 p. Bibliogr. (Report ; MS 65-106)  
MICROLOG 90-04690 1 fiche

Experimental determination of the subsolidus phase relationships among oxides in the system Mn-Ta-O by the quenching method. The conditions during the heating period were 1200C, 1 atm. total pressure, and various partial pressures of oxygen between 10-17 atm. and 1 atm.

• CA CM NR PS SC

### Mobile Home Task Force report

British Columbia. Mobile Home Task Force. Victoria : The Task Force, 1990. i, 27 p. MICROLOG 90-04740 1 fiche

This document addresses the following issues: lifestyle/housing options; landlord/tenant concerns; taxation; government assistance, sale; future demand for manufactured home parks; and image concerns.

BC PR SA

### Mobile plant and water treatment testing at the Crows Nest Resources Ltd., Line Creek washery during 1983

by J.L. Picard, K.A. Hashmi and Z.M. Potoczny. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1987. vii, 64 p. : ill. (Report ; CRL 87-47(CF))  
MICROLOG 90-01321 1 fiche

Field tests designed to complete initial shake-down of the water treatment mobile plant were carried out at the Crows Nest Resources Ltd. Line Creek washery in southeastern B.C. during July 1983. Tests for evaluation of cationic and anionic reagents for use in the washery tailings thickener helped identify a number of areas of needed improvement in mechanical, operational and experimental aspects that would enhance the R&D potential of the mobile plant.

• BC CA CM EV NR SC

### Mobile precooler for fruits and vegetables

by I.R. MacKinnon, R.K. Prange and P.D. Lidster. Ottawa : Agriculture Canada, 1990. 9, 10 p. : ill. Bilingual (*Prérefroidisseur mobile pour...*). At head of title: Refrigeration. ISBN 0-662-57400-1  
MICROLOG 90-07062 1 fiche

Precooling is the rapid removal of field heat prior to the shipment or storage of fruits and vegetables. Precooling is one of the most important stages in handling harvested fruits and vegetables because it optimizes storage life. This report gives general information and guidelines on a mobile precooler, followed by details on the construction of the prototype unit.

AG CA PS SC

### Mobile water treatment plant testing at the Obed Washery : June-December, 1985

by K.A. Hashmi, et al. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1987. iv, 179 p. : ill. (Report ; CRL 87-38(CF))  
MICROLOG 90-02427 2 fiche

Coal washing produces effluents containing fine coal, clay, shale particles, and other solid matter. The volume produced depends on the washery capacity and the type of beneficiation methods employed and accounts for a significant portion of total processing costs.

This report gives the results of both bench scale and pilot scale tests to assist in the selection of suitable flocculants for the water treatment circuit at the Obed Mountain Coal Co. The evaluation included flocculants from 5 suppliers (Allied Colloids, Alchem, Calgon, Hart, and Diachem), with the Allied flocculants (8C26 and 8852) currently being used in the washery. The test work included a performance evaluation of the supplied flocculants on both bench scale and pilot scale using the FPL mobile water treatment plant. The mobile plant includes a 2.44m diameter thickener and appropriate auxiliary equipment.

• AL CA CM NR SC

### La Mobilité du personnel à la fonction publique du Québec : un portrait descriptif

par L. Gagnon. Québec : Gouvernement du Québec, Office des ressources humaines, 1989. 18 p. : ill. Bibliogr. (Recherches, bilans et guides en gestion des ressources) ISSN 0843-8579 ISBN 2-550-19939-1  
MICROLOG 90-02812 1 fiche

Ce document dresse le portrait de la mobilité du personnel de la fonction publique du Québec. L'examen porte sur les mouvements de personnel effectués, pour la plupart, entre 1985-86 et 1987-88. Ces différents mouvements sont regroupés selon une typologie qui se réfère à la direction du changement opéré. Une première section présente et définit les concepts utilisés ainsi que les données exploitées dans le cadre de l'étude. Les trois types de mobilité font l'objet des trois sections suivantes du rapport, chacune des sections étant découpée selon les mouvements propres à chaque type de mobilité. Enfin, la dernière section présente la mobilité dans son ensemble et montre les principales différences de répartition et d'importance des mouvements entre les catégories d'emploi.

LA PA PR QU

### La Mobilité résidentielle des personnes âgées en milieu rural : étude comparative de dix régions du Québec

par B. Sokoloff, J. Thériault et M. Cloutier. Ottawa : Société canadienne d'hypothèques et de logement, 1988. xxi, 223 p. Bibliogr.  
MICROLOG 90-01865 3 fiche

Cette étude établit une comparaison entre les situations de vie des personnes âgées vivant dans dix régions rurales du Québec. Elle vise surtout à vérifier les facteurs qui sont liés à la décision des personnes âgées de déménager soit au sein de la région, soit vers l'extérieur de celle-ci, soit vers la région en provenance de l'extérieur. Pour ce faire, on a considéré plusieurs statistiques du recensement de 1981 et on a rencontré des intervenants pour chacune des régions étudiées, intervenants qui oeuvrent auprès de la population âgée.

BS PR QU SA SC

### Modalités d'intervention en milieu forestier : guide - Rév.

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Direction générale des forêts, 1989. 81 p. : ill., cartes géogr. ISBN 2-550-16169-6  
MICROLOG 90-03855 1 fiche

Ce guide identifie les pratiques sylvicoles autorisées dans une unité territoriale donnée ainsi que les mesures que tous les intervenants privés et publics doivent appliquer dans le cadre de leurs activités pour assurer le respect de la vocation dévolue à chaque unité territoriale, la mise en valeur du milieu forestier et la protection des différentes ressources qui s'y trouvent.

FO PR QU SC

### A Model for the dynamic traffic assignment problem

by O. Drissi-Kaitouni. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 23 p. Bibliogr. (Publication ; no. 702)  
MICROLOG 90-06418 1 fiche

This paper describes a dynamic traffic assignment model aimed at simulating the flows of urban transportation networks during peak periods. The approach is based on the assumption that the users know, at each period of time, the travel times on the links of the network, but not for the next periods, and that, at each node, they enter their actual shortest path. Numerical tests were performed with the transportation network of the city of Hull in



Québec.  
PR PS QU SC TR

### A Model of the retail markets in Alberta and Edmonton

Edmonton : Edmonton Planning and Development, Strategic Planning Branch, 1987. 13 p.  
Bibliogr. (Research paper ; no. 13)  
MICROLOG 90-00155 1 fiche

The purpose of this report is to identify the factors which have an impact on Alberta's and Edmonton's retail sales, to construct an econometric model which describes the causal relationships among these economic factors; and to forecast retail sales for Alberta and Edmonton over the next five years based on the model.

AL CO MU PR

### Un Modèle de gestion

par J.L. Manion. Ottawa : Centre canadien de gestion, 1989. 14, 14 p. *Bilingue (A Management model)*. ISBN 0-662-56701-3  
MICROLOG 90-03216 1 fiche

La gestion, comme science, fait pâle figure auprès des équations astreignantes et des preuves rigoureuses de la physique ou de la chimie. Des observateurs ont extrait d'une masse de caractéristiques, des traits communs que se partagent les gestionnaires d'entreprises prospères. Bien qu'il soit plus difficile de pratiquer une saine gestion (et de la mesurer) au sein du gouvernement fédéral que dans l'entreprise privée, quelques éléments semblent toujours en ressortir. Evidemment, de nombreux facteurs contribuent à assurer le succès d'un ministère parmi lesquels ressortent l'orientation politique, les lignes de conduite judiciaires et une saine législation. Ce document aborde sept facteurs que contribuent à assurer le succès d'un ministère.  
CA PA

### Modèle de projection des mouvements migratoires interprovinciaux globaux et par profession

par B. Ahamad et R. Rowley. Ottawa : Emploi et immigration Canada, 1986. ii, 55 p.  
Bibliogr. (SPPC : rapport de consultant)  
*L'éd. anglaise (A Report on a model...) sur la même fiche.*  
MICROLOG 90-00775 2 fiche

Le Système de projection des professions au Canada (SPPC) sert à faire des projections de l'offre et de la demande de main-d'œuvre selon la profession et la province. Ce rapport décrit divers modèles statistiques qui ont été établis pour prévoir les mouvements migratoires interprovinciaux tant dans leur ensemble que selon la profession. Plus précisément, le document décrit un modèle servant à faire des projections des mouvements migratoires interprovinciaux globaux à l'aide de facteurs économiques comme l'emploi et le revenu et des variables démographiques, telles l'âge et le sexe, comme facteurs déterminants ou variables indépendantes; et, un modèle permettant de décomposer les projections obtenues auparavant selon la profession, à l'aide des données du Recensement de 1981 et de l'Enquête supplémentaire sur la population active d'août 1982.  
CA SA

### Modelling of molten metal penetration into a particulate layer

Kanata, Ont. : Arctec Canada Limited, 1988. ii, 77 p. : ill. Bibliogr. *CANMET contract: OSQ85-00341*.  
MICROLOG 90-05663 1 fiche

Toughness and resistance to abrasion are the 2 most important properties needed for parts such as digger teeth but these two requirements conflict. However, by providing an abrasion resistant surface layer and a tough core, the desired combination of properties can

be achieved. A model was developed to define attributes to predict the penetration of molten alloy into a particulate layer. This study considers tungsten carbide as the powder and steel as the molten alloy. Results are presented for flow of molten steel through the powder bed under 3 gauge pressures. A Peclet number is used to estimate the relative magnitude of heat transfer due to convection and conduction in the axial direction, from which an eddy conductivity value is calculated.  
• CA CM NR PS SC

### Modelling the coastal migration of juvenile salmon through Hecate Strait, British Columbia

by M.C. Healey. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 97 p. : ill., maps. (Canadian technical report of fisheries and aquatic sciences ; no. 1700)  
ISSN 0706-6457  
MICROLOG 90-01931 2 fiche

In 1984, a wide ranging study was initiated of the fish community of Hecate Strait. This report summarizes predictions of a model of juvenile salmon migration through Hecate Strait that was part of that study. The model predicts seasonal abundance, size, and food resource requirements of juvenile salmon in the Strait based on estimates of juvenile production in various regions of the coast, seasonal migration rates and timing, growth rates, mortality rates, and food conversion rates under different assumptions about the migratory routes followed by juveniles from different parts of the coast.  
• BC CA CF FI SC

### Modelling the container fleet management problem using a stochastic dynamic approach

by T.G. Crainic, P. Dejax and M. Gendreau. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 22 p.  
Bibliogr. (Publication ; no. 685)  
MICROLOG 90-04330 1 fiche

A two-level approach is proposed for the global, integrated planning of the land distribution and transportation of containers. The topmost level is concerned with strategic/tactical planning issues such as depot selection, allocation of clients to depots, and determination of major interdepot empty container flows. The second component corresponds to the level of the day-to-day operational planning of the company's activities. The paper focuses on the description of the operational decision-support system and its two main components: the dynamic stochastic empty container allocation model and the model for routing loaded and empty containers.  
PR PS QU SC TR

### Modelling the daily traffic flows on an hourly basis

by H. Spiess and D. Suter. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 10 p. : ill. Bibliogr. (Publication ; no. 700)  
MICROLOG 90-06426 1 fiche

This paper describes a new approach to model the variations of the traffic flows within the day, without leaving the steady-state framework. A small set of basic states, each represented by a demand matrix, is defined and each hour of the day is represented by a characteristic combination of these states. Given hourly traffic counts on a subset of links, the set of coefficients for each hour is determined by combining the equilibrium assignment model with a multiple linear regression. The result is a practical model for forecasting the traffic volumes and speeds on the entire network for each hour of the day. The model was successfully applied to the city of Basel, Switzerland, using a network of 330 traffic

zones, 2200 street links and 220 countposts with hourly counts.  
PR PS QU SC TR

### Modes alternatifs de répression des insectes dans les agro-écosystèmes québécois, tome 1 : document synthèse

par M. Chagnon et A. Payette. Québec : Gouvernement du Québec, Ministère de l'environnement ; Centre québécois de valorisation de la biomasse, 1990. 81 p.  
ISBN 2-550-20618-5  
MICROLOG 90-07320 1 fiche

Cette étude vise à présenter les perspectives techniques et commerciales les plus intéressantes, pour le développement de modes alternatifs de répression des insectes ravageurs dans les agro-écosystèmes, et à suggérer certains projets de développement technologique et industriel au Québec. Elle porte principalement sur le document synthèse des modes alternatifs de répression des insectes dans les agro-écosystèmes québécois et se penche surtout sur la méthodologie, les résultats, les discussions et les recommandations.  
AG EV PR QU SC

### Modes alternatifs de répression des insectes dans les agro-écosystèmes québécois, tome 2 : identification des insectes ravageurs et état de l'agriculture biologique au Québec

par M. Chagnon...et al. Québec : Gouvernement du Québec, Ministère de l'environnement ; Centre québécois de valorisation de la biomasse, 1990. 85 p.  
Bibliogr. ISBN 2-550-20619-3  
MICROLOG 90-07319 1 fiche

Cette étude vise à présenter les perspectives techniques et commerciales les plus intéressantes, pour le développement de modes alternatifs de répression des insectes ravageurs dans les agro-écosystèmes, et à suggérer certains projets de développement technologique et industriel au Québec. Elle porte principalement sur l'identification des modes alternatifs de répression des insectes dans les agro-écosystèmes et se penche surtout sur la méthodologie, les cultures en champs et en serres.  
AG EV PR QU SC

### Modes alternatifs de répression des insectes dans les agro-écosystèmes québécois, tome 3 : agents biologiques

Québec : Gouvernement du Québec, Ministère de l'environnement ; Centre québécois de valorisation de la biomasse, 1990. 105 p.  
Bibliogr. ISBN 2-550-20620-7  
MICROLOG 90-07318 2 fiche

Cette étude vise à présenter les perspectives techniques et commerciales les plus intéressantes, pour le développement de modes alternatifs de répression des insectes ravageurs dans les agro-écosystèmes, et à suggérer certains projets de développement technologique et industriel au Québec. Elle porte principalement sur les agents biologiques des modes alternatifs de répression des insectes dans les agro-écosystèmes québécois et se penche surtout sur la méthodologie, la lutte biologique contre les insectes, et les alternatives biologiques de lutte contre les ravageurs d'importance au Québec.  
AG EV PR QU SC

### Modes alternatifs de répression des insectes dans les agro-écosystèmes québécois, tome 4 : techniques physiques

Québec : Gouvernement du Québec, Ministère de l'environnement ; Centre québécois de valorisation de la biomasse, 1990. 53 p.



Bibliogr. ISBN 2-550-20621-5  
MICROLOG 90-07304 1 fiche

Cette étude vise à présenter les perspectives techniques et commerciales les plus intéressantes, pour le développement de modes alternatifs de répression des insectes ravageurs dans les agro-écosystèmes, et à suggérer certains projets de développement technologique et industriel au Québec. Elle porte principalement sur les techniques physiques visant les modes alternatifs de répression des insectes dans les agro-écosystèmes québécois et fournit la méthodologie et des renseignements sur les arthropodes ravageurs.  
AG EV PR QU SC

**Modes alternatifs de répression des insectes dans les agro-écosystèmes québécois, tome 5 : méthodes culturales et résistance des végétaux**

par S.B. Hill, D. De Oliveira et M. Chagnon.  
Québec : Gouvernement du Québec, Ministère de l'environnement ; Centre québécois de valorisation de la biomasse, 1990. 94 p.  
Bibliogr. ISBN 2-550-20622-3  
MICROLOG 90-07303 2 fiche

Cette étude vise à présenter les perspectives techniques et commerciales les plus intéressantes, pour le développement de modes alternatifs de répression des insectes ravageurs dans les agro-écosystèmes, et à suggérer certains projets de développement technologique et industriel au Québec. Elle se penche particulièrement sur les méthodes culturales visant les modes alternatifs de répression des insectes dans les agro-écosystèmes québécois et fournit des renseignements sur les méthodes culturales (la méthodologie et les résultats), et de l'information sur la résistance des végétaux (résistance et ses composantes, méthodologie et résultats).  
AG EV PR QU SC

**Modes alternatifs de répression des insectes dans les agro-écosystèmes québécois, tome 6 : survol de marché**

par F. Dagenais et M. Chagnon. Québec : Gouvernement du Québec, Ministère de l'environnement ; Centre québécois de valorisation de la biomasse, 1990. 129 p.  
ISBN 2-551-12356-9  
MICROLOG 90-07316 2 fiche

Au Québec comme ailleurs, les productions végétales ne peuvent être envisagées sans recourir à des moyens de lutte contre les insectes ravageurs des récoltes. Les pesticides chimiques constituent le moyen de contrôle le plus utilisé. Toutefois, un usage massif et parfois abusif des pesticides chimiques entraîne une augmentation de la pollution environnementale et constitue un risque pour la santé humaine. Les solutions à ce problème résident dans la limitation de l'utilisation des insecticides chimiques afin d'éviter les écarts de conduite et de favoriser le développement de modes alternatifs de répression des insectes ravageurs. Cette étude vise à présenter les perspectives techniques et commerciales les plus intéressantes, pour le développement de modes alternatifs de répression des insectes ravageurs dans les agro-écosystèmes, et à suggérer certains projets de développement technologique et industriel au Québec.  
AG EV PR QU SC

**Modification and testing of a segmented model of an icebreaker to evaluate ice resistance mathematical models**

prepared for the Transportation Development Centre ; by I.F. Glen, R. Abdelnour and M. Steele. Kanata, Ont. : Fleet Technology Limited, 1989. xxx, 150 p. : ill.  
MICROLOG 90-01750 2 fiche

The 3d phase of an experimental program designed to investigate the components of ice resistance on the hull of a vessel using a physically segmented model was completed. This phase compared the loads measured on portions of the hull of an icebreaker with those predicted by mathematical prediction models, to obtain a greater understanding of the ship/ice interaction process. Further development and testing in ice of a segmented model of the R-class icebreaker was completed. The segmentation system comprises free floating panels of the hull on the port side bow, instrumented to measure load on the segment. The data were analyzed to investigate the local ship/ice interaction phenomena and to determine the contribution to resistance from each portion of the hull. The results were then compared with the mathematical predictor models RICE, a semi-empirical model, and the analytical model of Dr. D. Carter.  
CA PS SC TR

**Modification du règlement déterminant la liste des diplômes donnant accès à la Corporation professionnelle des diététistes du Québec**

avis au Ministre responsable de l'application du Code des professions. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1990. 5 p. (Avis ; no 89.11)  
ISSN 0709-3985 ISBN 2-550-20584-7  
MICROLOG 90-03557 1 fiche

Trois universités québécoises offrent des programmes de baccalauréat dont le diplôme donne accès à la Corporation des diététistes du Québec (CPDQ) ; l'Université Laval, l'Université de Montréal et l'Université McGill. Cette dernière vient de changer l'appellation de son diplôme pour que celle-ci reflète mieux les objectifs et le contenu du programme correspondant et se conforme aux appellations utilisées par l'Université Laval et l'Université de Montréal. Le Conseil recommande l'adoption de ce projet de règlement. Ce document fait la lumière sur la question.  
ED PR QU

**Modification of a CAM facility**

by D. Hidson. Ottawa : Defence Research Establishment Ottawa, 1990. vii, 14 p.  
Bibliogr. (Technical note ; no. 90-7)  
MICROLOG 90-04829 1 fiche

Description of the computer-aided design and manufacturing facility at DREO. A Data General MV4000 computer serves as a hardware platform for Unigraphics software. A paper tape punch facility is replaced by a floppy disk file storage system. Commands for storing, editing and reading files on the floppy disk are described, and the file structure required for a Matsuura CNC machine and Fanuc controller are included. The device also replaces the tape reader on the CNC machine by a parallel port.  
CA PS SC

**Modifications à la Loi sur le SCRS : propositions au Comité spécial de la Chambre des communes, 1989**

Comité de surveillance des activités de renseignement de sécurité. Ottawa : le Comité, 1989. v, 22, v, 20 p. *Bilingue* (Amending the CSIS Act...). ISBN 0-662-56970-9  
MICROLOG 90-03316 1 fiche

Un comité spécial de la Chambre des communes, sous la présidence de Blaine Thacker, M.P., a été créé pour revoir la Loi sur le Service canadien du renseignement de sécurité, et la Loi sur les infractions en matière de sécurité. Ce document présente des suggestions en vue d'améliorer les lois et non de les transformer et se penche particulièrement sur les procédures, les mandats et les décisions apportées aux lois.  
CA EX JU

**Modifications aux unités de classification, année 1990**

Québec : Gouvernement du Québec, Commission de la santé et de la sécurité du travail du Québec, 1989. 140 p. *CSI 67137.004*.  
MICROLOG 90-04358 3 fiche

Document préparé par la Commission de la santé et de la sécurité du travail pour l'année 1990. Il fournit des tableaux sur les modifications aux unités de classification en donnant le code, la situation actuelle, le titre, la situation proposée ainsi que la nature et les motifs des modifications.  
• CA LA

**A Modified colorimetric method of small amount hydrogen peroxide and its contents in some marine foods**

by S. Umemoto. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 17 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5482) *Originally published in Japanese, by the Tokai Regional Fisheries Research Laboratory in Japan.* ISSN 0704-3716  
MICROLOG 90-01678 1 fiche

In the past, the volume of residual hydrogen peroxide in food in Japan was set at 100 ppm or less for noodles, boiled fish paste and such, and at 30 ppm or less for the other food articles. Recently, however, as the carcinogenicity of hydrogen peroxide became a cause for concern, a revision of regulations meant that the hydrogen peroxide had to be degraded or removed prior to producing the final food products. To be able to comply with these stricter regulations, it was necessary to develop a method for the analysis of trace hydrogen peroxide in food articles. This paper describes the use of the colorimetric method, the fluorescence method and other methods used to analyze trace hydrogen peroxide. The paper examined an analytical method involving an oxygen reaction in the analytical operation stages so as to avoid as much as possible any effect upon the measurement values from other oxidative matters which might be admixed in the samples.  
• CA CF FI LS SC

**Modified radioactive filter transportation package : accidental impact simulation for 9 m drop orientations**

by D.R. Metzger and R.G. Sauvé. Toronto : Ontario Hydro, Research Division, 1990. iv, 132 p. : ill. Bibliogr. (Report ; no. 90-1-K)  
MICROLOG 90-06101 2 fiche

Packages used in the road transportation of low level radioactive wastes must demonstrate the ability to withstand severe impacts such as those prescribed in the AECB regulations. One such package is the radioactive filter transportation package. This report presents the results of structural assessments of the most recent design when subjected to postulated accidental impact scenarios involving two 9 m drop orientations using 1/4 scale analytical models. Particular emphasis was given to the overpack lid to body bolted connection which has undergone modification.  
EN ON PR PS SC TR

**Monestime Township, Sudbury mining division 41J/16**

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 17 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 538) *Fold. maps not filmed.*  
MICROLOG 90-03001 1 fiche

Geological data inventory for Monestime Township, including a checklist of sources,



mineral commodities reference list, mineral occurrences, exploration work done by company, topographical maps available, results of a general index search, selected references, and aerial maps available.  
NR ON PR PS SC

### Money after Meech

by D.E.W. Laidler. Toronto : C.D. Howe Institute, 1990. 12 p. Bibliogr. (Commentary ; no. 22) ISSN 0824-8001 ISBN 0-88806-266-4  
MICROLOG 90-07176 1 fiche

In the aftermath of the failure of the Meech Lake Accord, and as part of a move toward greater political autonomy, there is a question of whether Quebec should, or will, create its own currency. This Commentary argues, in turn: that the prospect of the dissolution of the Canadian monetary system might disturb international capital markets; that Quebec nevertheless has a strong interest in maintaining the current monetary system; that this interest involves the maintenance of other economic ties, too; and that these economic ties argue for the continued existence of a Canadian federal government in which Quebec is represented.

• CA CI CO PA

### Monitoring costs and their implications for direct dischargers in the Ontario inorganic chemical industry : final report

Toronto : Ministry of the Environment, Policy and Planning Branch, Socio-Economic Section, 1989. v, 47 p. : ill. Bibliogr. ISBN 0-7729-5821-1  
MICROLOG 90-01032 1 fiche

The municipal-industrial strategy for abatement (MISA) intends to achieve the virtual elimination of toxic contaminants in municipal and industrial discharges into waterways. The MISA program consists of regulations, effluent limits, abatement programs and enforcement activities, and a comprehensive economic assessment program. This report presents estimates of incremental costs to the 22 inorganic chemical sector plants in Ontario of the requirements of the sector monitoring regulation. The report gives an estimate of what the costs will be under the inorganic chemical sector regulations and what the costs could be if potential costs were incurred under a more comprehensive, across-the-board set of requirements. The report also provides estimates of the economic implications of the monitoring costs on the sector, and where possible, on individual firms or plants.

EV ON PR SC

### Monitoring costs and their implications for direct dischargers in the Ontario metal casting industry : report

Ontario. Ministry of the Environment. Socio-Economic Section. Toronto : The Ministry, 1989. vi, 61 p. : ill. Bibliogr.  
MICROLOG 90-03861 1 fiche

The Municipal-Industrial Strategy for Abatement (MISA) is intended to achieve the virtual elimination of toxic contaminants in municipal and industrial discharges into waterways. This investigation is part of the economic assessment component of the MISA program and applies to the metal casting sector, consisting of those establishments that manufacture metallic objects by cooling molten metal in a mold or die. The Regulation applies to only 13 out of about 300 plants in Ontario. Six of the 13 firms that own these plants are private companies and the other 7 are public firms. Capital and operating costs are estimated by plant for each of the major monitoring activities of sampling, characterization, routine analyses, toxicity testing, flow measurement, and reporting. The

capital cost estimates and some of the operating cost estimates were provided by company officials.  
EV ON PR SC

### Monitoring costs and their implications for direct dischargers in the Ontario mineral industry : group B, industrial minerals sector

Ontario. Ministry of the Environment, Socio-Economic Section. Toronto : The Ministry, 1989. x, 107 p. : ill. Bibliogr. ISBN 0-7729-6421-1  
MICROLOG 90-03228 2 fiche

The Municipal-Industrial Strategy for Abatement (MISA) is intended to achieve the virtual elimination of toxic contaminants in municipal and industrial discharges into waterways. Economic assessments are a fundamental component of the MISA program by determining the magnitude of the costs and benefits of various regulations and other program elements, their distribution, and by determining the least-cost mechanisms. This report presents estimates of the incremental costs to industrial minerals plants which are direct dischargers subject to the MISA monitoring regulations. A total of 72 firms with 125 Ontario plant locations are affected, covering cement, chemical lime, clay and shale, graphite, gypsum, magnesium, quarries, sand and gravel and talc. Capital and operating and maintenance costs are estimated by firm for each of sampling requirements, flow measurement, routine analyses, characterization analyses, toxicity testing and reporting.

EV ON PR SC

### Monitoring costs and their implications for direct dischargers in the Ontario pulp and paper industry : final report

Toronto : Environment Ontario, Corporate Resources Division, Policy and Planning Branch, Socio-Economic Section, 1989. vi, 57 p. Bibliogr. ISBN 0-7729-5997-8  
MICROLOG 90-01197 1 fiche

Summary of estimates of the incremental costs to Ontario's directly discharging pulp and paper mills subject to the Municipal/Industrial Strategy for Abatement (MISA) monitoring regulations. Twenty-seven pulp and paper mills which are owned by 16 companies are subject to these regulations. Capital and operating and maintenance costs are estimated by firm for each of sampling requirements (including costs associated with the transport of effluent samples from mills to labs), flow measurements, chemical analyses, toxicity testing, and reporting.

EV FO ON PR SC

### Monitoring equipment for mining-induced stresses at Niobec Mine

by G. Herget and F. Kapeller. Ottawa : Energy, Mines and Resources Canada, Canada Centre for Mineral and Energy Technology, 1990. iii, 9, iii, 9 p. : ill. Bibliogr. (CANMET special publication ; SP89-3E) Bilingual (Instrument de mesure et d'enregistrement...). ISBN 0-660-55787-8  
MICROLOG 90-07111 1 fiche (Available on fiche only)

The monitoring of elastic deformation of excavation walls during mining activities has suffered because of the lack of instruments reliable and sensitive enough to record the rather minute deformations in hard rock. A relatively stiff ring, set in 76-153mm diameter holes, was developed. This report describes the mechanical assembly of the strain ring and the peripheral equipment required for installation and readout. Also included is a brief performance report on the equipment.

CA CM NR PS QU SC

### Monitoring methodology for assessing the impact of forest herbicide use on small mammal populations in British Columbia

by C. Ritchie and T.P. Sullivan. S.I. : Forest Resource Development Agreement, 1989. viii, 23 p. Bibliogr. (FRDA report ; 081) ISSN 0835-0752  
MICROLOG 90-01252 1 fiche

Several small mammals were identified as useful target species to monitor herbicide impacts in the coastal western hemlock biogeoclimatic zone on Vancouver Island and the coastal mainland, and in the sub-boreal spruce biogeoclimatic zone. Target biogeoclimatic subzones were also identified. Because of the variability within small mammal populations, intensive monitoring is the only objective and rigorous method to assess potential impacts from habitat alteration. A method for vegetation monitoring is also presented.

BC EV FO PR SC

### Monitoring steelhead trout at the Keogh River as an index of stock status and smolt-to-adult survival : correlations with other data sources

by B.R. Ward and J.C. Wightman. Victoria : Ministry of Environment, 1989. i, 21 p. : ill. Bibliogr. (Fisheries management report ; no. 95) ISSN 0705-5390 ISBN 0-7726-1033-9  
MICROLOG 90-00641 1 fiche

An index stream must reflect fish population trends in other river systems to be of management value. This report examines the feasibility of the Keogh River as an index stream or indicator of stock status, after 13 years of data collection. Estimates of the adult steelhead populations of the Keogh River were used in correlation analyses with catch data from local rivers, typical winter-run streams on Vancouver Island, the wild catch on Vancouver Island, and underwater counts from 2 summer-run streams. Six years of estimates of survival of steelhead smolts to return at fish fences at the Keogh River and Snow Creek were also compared.

BC FI PR SC

### Monitoring the Toronto Central Area : 1986 employment

Toronto : Metropolitan Toronto Planning Dept., Research Division, 1987. 27 p. : ill. (Metro facts ; 06) CSI 89181.218  
MICROLOG 90-06163 1 fiche

This issue of Metro facts is intended to give members of the Metropolitan Toronto and area municipal governments, agencies and the private sector a first hand look at the economic health of the Central Area as determined by the annual employment survey undertaken by the Metropolitan Toronto Planning Dept. This report will focus on the Central Area and its component parts, including: overall characteristics of planning districts 1; detailed employment characteristics within each of four major categories; and employment characteristics by minor planning districts.

LA MU ON

### Monitoring urban development in the City of Scarborough, Metropolitan Toronto, July, 1986 to June, 1987 : employing SPOT XS earth satellite data

by L.R.G. Martin. Ottawa : Canada Mortgage and Housing Corporation, 1989. 46 p. : ill. Bibliogr.  
MICROLOG 90-01274 1 fiche

Examines the capabilities of SPOT XS high spatial resolution imagery as part of a larger effort to develop an accurate, cost effective method of monitoring rural-to-urban land conversion employing earth satellite imagery. It



displays and describes a set of thirty photographs of satellite images prepared for the study area in order to provide a visual appreciation of the information source.  
MU ON PL

### Monitoring, auditing and administration costs for revisions to Regulation 308

SENEC Consultants Limited. Toronto : Environment Ontario, Policy and Planning Branch, 1990. vi, 225 p. Bibliogr. ISBN 0-7729-7284-2  
MICROLOG 90-07010 3 fiche

Since 1971, one of the main means of controlling air pollution in Ontario has been the Environmental Protection Act and the regulations pursuant to the Act, in particular Regulation 308, which specifies the maximum permitted concentration of numerous contaminants at a point of impingement from a source of contamination (other than a motor vehicle). It is proposed that Reg. 308 be revised so that the existing point of impingement standards are replaced with new ambient air standards and technology-based emission limits. The proposed revisions are expected to result in greater control of emissions and increased control of costs. This study estimated the additional monitoring, auditing and administration costs required to ensure compliance with the proposed revisions for each major industrial sector, for waste disposal companies, for municipalities, and for the MOE.  
EV ON PR SC

### Monthly means of temperature, salinity and sigma-t for the Gulf of St. Lawrence

by B. Petrie. Dartmouth, N.S. : Bedford Institute of Oceanography, 1990. iv, 137 p. : maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 126) ISSN 0711-6774  
MICROLOG 90-05147 2 fiche

Report on the monthly means and standard deviations of temperature and salinity data collected in the Gulf of St. Lawrence. Statistics of sigma-t, derived from the data, are compiled as well. The Gulf was divided into 17 areas extending from the Estuary to the Strait of Belle Isle and to Cabot Strait. The means and standard deviations were calculated at standard depths from archived bottle and CTD data collected between 1915 and 1987. The data are presented in tables for all areas and as time series plots at selected depths for several areas. In addition, where sufficient data were available, the annual and semi-annual components were computed using harmonic analysis.  
● AP CA CF FI SC

### Moored current and hydrographic measurements on the southeast shoal of the Grand Bank, 1986 and 1987

by C.K. Ross, J.W. Loder and M.J. Graça. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. vi, 132 p. : ill. (Canadian data report of hydrography and ocean sciences ; no. 71) ISSN 0711-6721  
MICROLOG 90-05227 2 fiche

Statistical and graphical description of the moored data collected during the summers of 1986 and 1987 on the southeast shoal of the Grand Bank. The data were collected from moored current meters, thermistor chains, thermographs, and satellite communicating surface pressure/temperature buoys. Geostrophic winds are also presented. The presentation takes the form of record and monthly means, total and low frequency standard deviations, time series of the raw data and low pass filtered data, progressive vector diagrams and tidal analyses for current records, and spectra of all time series.  
● AP CA CF NR PS SC

### Moored current and pressure data from the Labrador/Newfoundland Shelf, June 1985-July 1987

by D.G. Wright, J.R.N. Lazier and W. Armstrong. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. x, 258 p. : ill., maps. (Canadian data report of hydrography and ocean sciences ; no. 62) ISSN 0711-6721  
MICROLOG 90-06587 3 fiche

From 1985-86, there were 11 records of sub-surface pressure and 11 records of currents collected over the Labrador-Nfld. Shelf, each extending more than 90 days. From 1986-87, there were 17 additional pressure records and 26 additional current meter records. Several CTD sections were also collected across the shelf. This report presents those data as sections of temperature, salinity, density and buoyancy frequency; tidal constituents for pressures and currents; frequency distributions of de-tided pressure variations and current speeds; spectra of pressure and current variations; progressive vector diagrams and 'stick plots' of low-pass filtered currents; and time series plots of low-pass filtered pressure, temperature, salinity, density and current components. Residual currents are presented in east-west/north-south as well as major/minor axis coordinate systems and basic statistics are briefly summarized for each.  
● AP CA CF NR PS SC

### Moose damage to pre-commercially thinned balsam fir stands : review of research and management implications

by I.D. Thompson and W.J. Curran. St. John's : Forestry Canada, Newfoundland and Labrador Region, 1989. iii, 17 p. : ill. Bibliogr. (Information report ; N-X-272) ISSN 0704-7657 ISBN 0-662-17585-9  
MICROLOG 90-05792 1 fiche

During the summer of 1986, 21 thinned stands and 16 adjacent unthinned stands located in the western and central areas of Newfoundland were surveyed for browsing damage by moose. Sites were chosen if thinning had occurred during the fall of 1983 or the spring of 1984, giving 2 years of growth. Stands were surveyed for stem density and damage by moose using a plotless method which involves placing a number of points within a stand and measuring 3 distances from point to plant, and from plant to plant. Trees were divided into heights of 0.5-2.9 m and greater than 3.0 m, since moose browse up to 3 m in height. Species, height, and level of browsing damage was recorded for each tree in both height classes. Moose winter pellets were counted on 20 randomly placed 10 m circular plots as an indirect estimate of time spent by moose in each stand. T-tests were used to examine differences in vegetation variables and pellet density between thinned and unthinned stands and multiple linear regression was used to examine the percentage of stems browsed in all stands.  
● AP CA FO SC

### Moose harvest report, 1989

by A. Patton. Halifax : Dept. of Lands and Forests, 1990. 5 p. : map. (Technical note ; no. 60) CSI 51111.010.  
MICROLOG 90-05079 1 fiche

Report on the age, sex, weight and antler measurements of moose taken by registered and native hunters in 1989. Comparisons are made with the last 3 years. In addition, data is given on hours hunting and lynx observations.  
AP CU EV PR ST

### Moose harvest statistics, 1988 : New Brunswick

by G. Redmond. Fredericton : Dept. of Natural

Resources and Energy, Fish and Wildlife Branch, 1989. 22 p. : ill., maps. CSI 45124.003.  
MICROLOG 90-00665 1 fiche

Annual moose hunt data and summary, covering applications submitted, licences issued, kills by day and county and by age and sex of moose. Data generally covers the past 15 years.  
AP CU PR ST

### Moose Lake

Edmonton : Alberta Environment, 1989. 11 p. : ill. MICROLOG 90-00243 1 fiche

Brochure which presents findings of water quality on Moose Lake, situated about 240 km northeast of Edmonton near the town of Bonnyville. Physical and hydrological characteristics are discussed, and an explanation given for such lake characteristics as temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus, and trophic characteristics.  
AL EV PR SC

### Moose Lake Loggers Ltd. : Annual report 1987-88

Moose Lake, Man. : The Corporation, 1988. 20 p. CSI 42193.001.  
MICROLOG 90-00667 1 fiche

The Corporation has the mandate to establish an economically viable logging operation providing employment for residents of the area. This annual report reviews major developments, financial results, production, and training. It includes financial statements.  
CO FO MS NP PR SC

### Morgan Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 24 p. : fold. maps. (Geological data inventory folio ; GDIF 470)  
MICROLOG 90-00711 1 fiche

Geological data inventory for Morgan Township, including a checklist of data sources, metals and minerals reference list, exploration work and drillhole summary by company or individual, results of airborne geophysical survey, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

### A Morphological and electrophoretic comparison of rainbow trout *Salmo gairdneri* above and below barriers on five streams on Vancouver Island, B.C.

by E. Parkinson, R.J. Behnke and W. Pollard. Victoria : Ministry of Environment, 1984. i, 15 p. Bibliogr. (Fisheries management report ; no. 83) ISSN 0705-5390 ISBN 0-7726-0309-X  
MICROLOG 90-06970 1 fiche

Headwater areas of B.C. coastal streams, above barriers impassable to anadromous species, are generally inhabited by either rainbow trout or coastal cutthroat trout. It is important to know which form of rainbow is present above falls so that the appropriate set of regulations can be applied. In this study, the taxonomic status of trout in the headwater areas (above barriers) of 5 streams was determined morphologically and electrophoretically. Where rainbow trout were found, a second objective was to establish methods of differentiating between resident and anadromous forms.  
BC FI LS PR SC



**Morphological deformities in larvae of Procladius SKUSE Diptera : Chironomidae indexing deformities in ligulae and antennae and their application to contaminant-stressed environments**

by W.F. Warwick. Saskatoon, Sask. Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 54 p. : ill. Bibliogr. (NHRI contribution ; no. 89018) ISSN 0838-1992 MICROLOG 90-06493 1 fiche

A scheme for indexing the severity of deformities in the ligula of *Procladius* is presented and the scheme from Warwick (1985) for indexing deformities in the antennae revised. Both indices are expanded from population to community indices and are combined into a general index of community response. These biological indices are compared with indices of contamination derived from published and unpublished chemical data from the St. Lawrence River, Port Hope Harbour, Southern Indian Lake-Notigi Reservoir, Tobin Lake and Last Mountain Lake. CA FI PS SC

**Morphological deformities in Chironomus, Cryptochironomus, and Procladius larvae (Diptera : Chironomidae) from two differentially stressed sites in Tobin Lake, Saskatchewan**

by W.F. Warwick and N.A. Tisdale. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 22 p. : ill. Bibliogr. (NHRI contribution ; no. 88036) In Canadian Journal of Fisheries and Aquatic Sciences: vol. 45, no. 1, 1988. ISSN 0838-1992 MICROLOG 90-06464 1 fiche

This paper documents the types of deformities in *Chironomus plumosus* type larvae from 2 differentially stressed sites in Tobin Lake; explores the range of severity in these deformities and compares their distributions in the 2 faunas; establishes a framework for indexing the severity of deformation in additional morphological structures for eventual inclusion in an overall index of total morphological response for such larvae; and begins similar documentation for *Procladius* and *Cryptochironomus* larvae. The materials used came from Tobin Lake in east central Saskatchewan. Tobin Lake is a reservoir on the mainstem Saskatchewan River formed in 1960-63 by impoundment behind the Squaw Rapids hydroelectric dam. The sites were sampled for benthos, water and sediments on February 8 and 15, 1980. CA EV FI LS MS SC

**Morphological/anatomical investigation of cattail transplants and bog vegetation : final report**

by M. Kalin and R.W. Scribailo. Toronto : Boojum Research Limited, 1989. x, 56 p. : ill., maps. Bibliogr. CANMET contract: 99140-01-SQ MICROLOG 90-05672 1 fiche

Bogs and coal acid mine drainage (AMD) are closely lined at the Victoria Junction coal processing plant of DEVCO in Sydney, Cape Breton, N.S. This facilitates the investigation of these bogs, the effects of AMD on the ecosystem, and determines their use in ameliorating the acidic conditions. This report describes the status of the vegetation in both bogs which have received AMD for varying times. It summarizes both on-site and laboratory investigations. Through the use of morphological-anatomical techniques, the death of plant parts is determined. ● AP CA CM EV NR SC

**Morphology and mode of life of Bythotrephes longimanus Leydig**

by G. Ischreyt. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 37 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5448) Originally published in German. ISSN 0704-3716 MICROLOG 90-00629 1 fiche

Description of the *Bythotrephes longimanus* Leydig, a crustacean first found in Courland in the summer of 1926 in Lake Usmaiten. The paper includes its distribution, the relationship between Baltic and Nordic *Bythotrephes*, the colonization of Central Europe, and systematics. ● CA CF FI LS SC

**The Morphology and systematics of the genus Nais Mueller Oligochaeta, naididae in Lake Baikal**

by V.P. Semernoi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 17 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5341) Originally published in Russian. ISSN 0704-3716 MICROLOG 90-01477 1 fiche

Nine species of the genus *Nais* were known until now in Lake Baikal from published sources. An analysis of the collections of oligochaetes found in the holdings of the Limnological Institute of the USSR Academy of Sciences and in the collection of another institute shows that the lake is also inhabited by other forms of the same genus, not recorded in previous studies. This paper proposes a broader diagnosis of the species, with an indication of the limits of variation of mensural features for individuals from different habitats. ● CA CF FI LS SC

**Morris Island conservation area master plan, 1987**

Ottawa : Municipality of Ottawa-Carleton, 1987. 112 p. : ill., maps, fold. maps. MICROLOG 90-01108 2 fiche

The Morris Island conservation area is located in West Carleton Township, Regional Municipality of Ottawa-Carleton, approximately 50 km west of Ottawa. This master plan presents guidelines for the development and management of the area. It contains background information, goals and objectives, site resources and specific plans for the development, resource management and interpretation of the site. The report concludes with a maintenance and implementation schedule. EV MU ON SC

**Mortality among employees of a Sarnia Ontario factory which manufactured insulation materials from amosite asbestos : a report and proposal for further study**

by M.M. Finkelstein. Toronto : Ministry of Labour, Health Studies Service, 1987. 21 p. Bibliogr. MICROLOG 90-01072 1 fiche

International experience has shown that factory workers who manufactured insulation materials using amosite asbestos are at high risk of asbestos associated disease. This report on mortality among 108 asbestos workers provides a description of the factory processes, study methods, and results. CI HE LA ON PR

**Mortality among employees of Atlas Specialty Steels, Welland, Ontario**

by M.M. Finkelstein. Toronto : Ministry of Labour, 1989. 87 p. : ill. MICROLOG 90-03107 1 fiche

In 1988, an investigation was done of employees who worked in the Melt Shop of

Slater Steels in Hamilton, to see if the lung cancer experience of these employees was higher than the Ontario average. The investigation found that all 3 of the men who had worked as pitman had died of lung cancer, but as this was a small number it could be explained as either a statistical fluke, unrelated to occupational exposures, or occupational factors could have played a role. Additional information was needed, so a similar investigation was performed at the Atlas Specialty Steel plant in Welland. This report presents the results of the analysis of mortality among Atlas Steels' employees. LA ON PR

**Mortality among employees of Slater Steels, Hamilton Specialty Bar Division, Hamilton, Ontario**

by M.M. Finkelstein. Toronto : Ministry of Labour, 1988. 42 p. MICROLOG 90-03109 1 fiche

In 1988, an investigation was begun into whether the men who had worked in the melt shop at Slater Steels had experienced an increased risk of lung cancer. This report presents the results of the analysis. The basic method adopted for the study was that of analysis of proportional mortality, supplemented by internal comparisons using case-control methodology. LA ON PR

**Mortality among employees of the Bendix Automotive Corporation, Windsor, Ontario**

by M.M. Finkelstein. Toronto : Ministry of Labour, Health Studies Service, 1988. 40 p. Bibliogr. MICROLOG 90-01074 1 fiche

This study aimed to investigate whether exposure to asbestos was associated with an increased risk of death from asbestos-related diseases. It presents the results of a study of mortality among 1657 workers who were employed at Bendix for one year or more. Deaths occurring between January 1, 1950 and December 31, 1985 were ascertained by a computerized linkage with the Canadian Mortality Data Base at Statistics Canada and form the basis for the analysis. CI HE LA ON PR

**Mortality among former employees of the Domtar Pipe Factory in Cornwall, Ontario**

by M.M. Finkelstein. Toronto : Ministry of Labour, Health Studies Service, 1987. 20 p. MICROLOG 90-01073 1 fiche

The Royal Commission on Matters of Health and Safety Arising from the Use of Asbestos in Ontario brought to the attention of the Ministry of Labour the concerns of a former employee of Domtar Construction regarding respiratory problems and deaths which possibly resulted from exposure to asbestos. This report presents the results of an epidemiologic analysis. It also includes a description of the factory, and study methods. CI HE LA ON PR

**The Mossbauer effect : a high resolution probe of the interior of materials**

by R.H. Goodman. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. i, 22 p. : ill. Bibliogr. (Report ; MS 65-120) MICROLOG 90-04643 1 fiche

Explanation of the nature of the Mossbauer effect using a simple physical picture and the application of this technique to iron pyrite (FeS<sub>2</sub>). Some of the equipment used for these experiments is described. ● CA CM NR PS SC



## Mother-led families on Prince Edward Island

Prince Edward Island. Ad Hoc Committee on Mother-Led Families. Charlottetown : Advisory Council on the Status of Women, 1989. 55 p. MICROLOG 90-02067 1 fiche

This report focuses on the qualitative findings of the project research which collected information from women about their everyday experiences as mother-led families. It contains a summary overview about such families in the province, and a selection of stories told by the women during the interviews, describing the circumstances surrounding their becoming a single mother. It includes a summary of the study team's overall observations, an analysis of the interviews conducted, and proposals for social action.  
AP CI PR SA

## Mount Assiniboine Provincial Park : master plan

British Columbia. Ministry of Parks. Southern Interior Region. Victoria : The Ministry, 1989. vi, 47 p. : maps. ISBN 0-7726-1038-X MICROLOG 90-01761 1 fiche

This Plan defines the role of Mount Assiniboine Park in the B.C. park system, establishes objectives for the conservation and management of park resources, and directs comprehensive actions necessary to achieve objectives.  
BC CU PR

## Le Mouvement d'immigration au Québec depuis 1980

Québec : Communautés culturelles et immigration, 1989. 40 p. : ill. (Consultation sur les niveaux d'immigration) ISSN 0831-0335 ISBN 2-550-19887-5 MICROLOG 90-02625 1 fiche

Le Québec a accueilli 182 532 ressortissants étrangers depuis 1980, soit une moyenne annuelle de 20 281 immigrants sur l'ensemble de la période 1980-88 mais l'évolution des volumes annuels d'immigration a été influencée par différents facteurs qui expliquent les fluctuations survenues dans le mouvement depuis 1980. De plus de 21 000 admissions annuelles de 1980 à 1982, le nombre d'entrées internationales a chuté jusqu'à moins de 15 000 en 1985 et depuis augmente pour se situer à plus de 25 000 pour les deux dernières années. Ce document se penche sur le mouvement d'immigration au Québec depuis 1980 et en fait ressortir les points saillants.  
EX PR QU

## Moving from an uncertain to a sustainable future : issues and opportunities facing Nova Scotia

by R.P. Côté and M. Strickland. Halifax : Dept. of the Environment, 1989. 52 p. : ill. Bibliogr. MICROLOG 90-04596 1 fiche

Discusses problems in defining sustainable development. It also identifies criteria of sustainability. In addition, it addresses media reporting, and environmental and resource issues.  
AP CI EV PR

## MRL3DPLT documentation : an interface program for the general purpose plotting program MRLPLT (Cray-1S version)

by Y.S. Yu, A.S. Wong and N.A. Toews. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. iii, 31 p. : ill. Bibliogr. (Report : MRL 89-38(TR)) MICROLOG 90-00169 1 fiche

MRL3DPLT is an interface program to MRLPLT, a general purpose program for graphical representation of data over 2-dimensional regions. MRL3DPLT consists of 2 subprograms, PLTSTRS and PLTDSP. Their

basic functions are to convert the 3-D finite element analysis data (SAPOUT), generated by the 3-dimensional finite element program SAP3D, into input data files acceptable to MRLPLT. This report provides information on the file usage, program capabilities and data input instructions. In addition, a simple CRAY-1S job control language (JCL) set up for access to the CRAY-1S supercomputer is given.

• CA CM PS SC

## Mucous and mucoid cells in the gastric epithelium of fishes

by F. Barbetta. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5225) Originally published in Italian. ISSN 0704-3716 MICROLOG 90-02684 1 fiche

Fragments of the intermediate part of the stomach of 17 species of *Selachii*, *Chondrostelion ganoidel*, and *Teleostei* were studied to identify mucus and mucoid cells, as well as neck cells.  
• CA CF FI LS SC

## Multiculturalism : focus for the 90's

Edmonton : Multicultural Commission, 1989. 36 p. : ill. MICROLOG 90-00936 1 fiche

Presents a definition and vision of multiculturalism, directions for a multicultural policy, a summary of directions, and themes and recommendations.  
AL CU PR

## Multiculturalism and policing in British Columbia : a report of the proceedings of the conference plenary sessions

Multiculturalism and Policing Conference (1988 : Richmond, B.C.). Victoria : Ministry of Attorney General ; Ministry of Solicitor General ; Ottawa : Secretary of State of Canada, Multiculturalism Directorate, 1988. 101 p. : ill. MICROLOG 90-03826 2 fiche

Reports on developments that had taken place in the province since the National Symposium on Policing in Multicultural-Multiracial Urban Communities was held in Vancouver in 1984. It also looks at the changing ethnic and cultural landscape the province is expected to undergo over the next ten to fifteen years.  
• BC CA CU PR

## Multiculturalism in Canada

by J. Burnet. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 26, 29 p. Bibliogr. (Canadian studies resource guide) Bilingual (Le Multiculturalisme au Canada). ISBN 0-662-56210-0 MICROLOG 90-01559 1 fiche

Provides a list of essential works on the topic. It also identifies resource guides, finding aids, scholarly journals, microforms, audio-visual, and computer-based sources of relevance.  
CA CU

## Multiculturalism in Saskatchewan

presented to the Minister's Committee on Multiculturalism. Regina : Task Force on Multiculturalism, 1989. 56 p. : ill. MICROLOG 90-01043 1 fiche

Reports on a series of conversations with people from the province. Twelve major themes emerged: education; heritage languages; racism/discrimination; aboriginal concerns within a multicultural framework; immigration; human services; employment; media; business potential and tourism; funding; and facilities. The report provides a discussion of each theme.  
CU MS PR

## Le Multiculturalisme au Canada

par J. Burnet. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 29, 26 p. Bibliogr. (Guides pédagogiques des études canadiennes) Bilingue (Multiculturalism in Canada). ISBN 0-662-56210-0 MICROLOG 90-01559 1 fiche

Ce document fournit la liste des ouvrages essentiels, les lectures complémentaires, les ouvrages de référence, les instruments de recherche et les revues savantes.  
CA CU

## Le Multiculturalisme canadien -- Rév.

par W. Sheridan. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 20 p. Bibliogr. (Bulletin d'actualité ; 87-10F) L'éd. anglaise (Canadian multiculturalism) sur la même fiche. ISBN 0-660-92791-8 MICROLOG 90-03027 1 fiche

Le multiculturalisme, idéal de nombreuses démocraties modernes, implique la reconnaissance officielle des diverses cultures d'une société pluraliste. Il est basé sur trois principes: l'égalité, la dignité, et le sens communautaire. Ce document fait le point sur la situation en ce qui a trait au multiculturalisme canadien.  
CA SA

## Multielement ratings maps for Meguma Zone lake sediments

by P.J. Rogers. Halifax : Canada-Nova Scotia Mineral Development Agreement, 1989. 67 p. : ill., maps. Bibliogr. (Open file report ; 88-055) Fold. maps not filmed. MICROLOG 90-02511 1 fiche

In 1977 and 1978 a regional centre-lake bottom sampling survey was conducted in southern Nova Scotia but did not include chemical analysis for many elements of economic interest. In 1985, approximately 3000 samples from this study were reanalyzed for heavy mineral particles such as cassiterite. This report presents a preliminary statistical study of these analyses and how lake sediments reflect metallogenic patterns in southern Nova Scotia.  
• AP CA NR PS SC

## La Multinormalisation en télématique

par Y. Bernatchez. Québec : Gouvernement du Québec, Ministère des communications, Direction générale des technologies de l'information, 1989. 22 p. En tête du titre: Etude. ISBN 2-550-20130-9 MICROLOG 90-01119 1 fiche

Ce document tient compte de la situation télématique actuelle et est basé sur l'information portée à notre attention à ce jour. Il s'agit d'un document de travail dont le but est d'éclairer le ministère des Communications du Québec et ses différents partenaires dans leur démarche pour diffuser simultanément des services sur plusieurs réseaux télématiques. L'étude s'attarde surtout sur les modes d'affichage supportés par les réseaux et sur les liens de communication qu'ils utilisent pour rejoindre le grand public.  
PR QU SC TE

## Multiplier effects in a municipality dependent on fisheries : total economy fleet/factory

by E. Fasmer...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 9 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5261) Originally published in Norwegian. ISSN 0704-3716 MICROLOG 90-02732 1 fiche

Description of a disaggregated economic base model developed to analyse the multiplier effects of changes in a municipality dependent on



fisheries. The model analyses the employment consequences occurring as a result of changes in the structure of the fleet, raw material landed, or use of raw material. Employment consequences are studied in the fishing industry, sub-suppliers, consumer industries, and the municipal sector. A case study is based on the municipality of Skjervoy in North Troms.  
● CA CF CO FI SC

### Municipal administration terminology

prepared by Noella Richard ; revised and enlarged by Catherine A. Bowman, Héléne Tremblay and Lois Vincent. Ottawa : Translation Bureau, Terminology and Linguistic Services Branch, 1981. viii, 134, viii, 132 p. (Terminology bulletin : 168) *Bilingual* (Terminologie de l'administration...)  
MICROLOG 90-02986 3 fiche

This glossary is a revised and enlarged edition of the 1979 Municipal Council Terminology. The original material, dealing with the municipal council's decision-making process, is modified wherever necessary and, explanations have been added. It includes new entries regarding elections and some of the legal aspects of municipal administration as well as a selected bibliography of reference works on management and finance.  
CA PA

### Municipal authority to regulate occupancy on the basis of relationship

Toronto : Association of Municipalities of Ontario, 1988. 7 p. (AMO report : report series 1988 : 88-9)  
MICROLOG 90-00846 1 fiche (Available on fiche only)

This document presents the Association's position on the subject of exclusionary by-laws.  
MU ON PA

### Municipal Board decisions, vol. eight-A, 1989

Nova Scotia Municipal Board. Halifax : The Board, 1990. iv, 223 p.  
MICROLOG 90-05552 3 fiche

This volume contains all assessment decisions from January 1, 1989 to December 31, 1989. It includes a case table, a statute table, a subject table, and a description of cases and decisions.  
AP MU PA PR

### Municipal Board decisions, vol. eight-B, 1989

Nova Scotia Municipal Board. Halifax : The Board, 1989. 2 v. *CSI 52154.001*.  
MICROLOG 90-07038 7 fiche

This volume contains all planning, municipal boundaries and other decisions from January 1, 1989 to December 31, 1989. It also contains a case table, a statute table and a subject table which include buffering, development agreements, downzoning, non-conforming use, land use by-law amendments, regional development permits, rezoning, subdivisions and undue hardships.  
AP MU PA

### Municipal board decisions, vol. seven-A, 1988

Halifax : Nova Scotia Municipal Board, 1989. iv, 255 p.  
MICROLOG 90-01893 3 fiche

This document includes a case table, a statute table, a subject table, and a description of the individual cases.  
AP JU MU

### Municipal board decisions, vol. seven-B, 1988

Halifax : Nova Scotia Municipal Board, 1989. xiv, 960 p.  
MICROLOG 90-01876 11 fiche

This document includes a planning case table, a planning statute table, a planning subject table, a municipal boundaries case table, and a description of the individual cases.  
AP JU MU

### Municipal Development Plan for the City of Halifax, part II, with amendments to 15 February, 1990

Halifax : Halifax Development and Planning Dept., 1990. ix, 245 p. : maps., fold. maps. At head of title: *Unofficial copy*.  
MICROLOG 90-03395 4 fiche

This document sets forth statements of policy with respect to present and future land use, transportation facilities, service facilities, (schools, parks, open spaces), budgeting and citizen participation. It shows the geographic implications of these policies in map form, and addresses the framework for the control of land use through statements of policy dealing with land use regulations and a statement of policy (in map and text form) dealing with generalized future land use.  
AP MU PL

### Municipal Development Plan for the City of Halifax, parts I and III : as amended to October 9, 1987

Halifax : Halifax Planning Dept., 1988. iv, 110 p. At head of title: *Unofficial copy*.  
MICROLOG 90-03402 2 fiche

The Plan is in three parts: Part I includes the title, authority, and purpose of the official plan. Part II constitutes the Municipal Development Plan, with subsequent amendments, adopted by Halifax City Council. Part III furthers the development and detailing of the Plan.  
AP MU PL

### Municipal Development Plan Review : transportation, vol. 1 : travel characteristics in the Halifax region

Halifax (N.S.). Planning Dept. Halifax : The Dept., 1986. v, 17 p. : ill. (Discussion paper ; no. 6)  
MICROLOG 90-03401 1 fiche

This paper examines travel characteristics in the Halifax region, primarily as background information necessary to evaluate transportation policy in the City of Halifax. It also makes some general recommendations based on these data. The subject matter of this discussion paper is: regional traffic flow, trip purpose, and time of trip.  
AP MU TR

### Municipal directory, 1990

Toronto : Ministry of Municipal Affairs, 1990. xl, 357 p. : maps. *Bilingual* (*Répertoire des municipalités*, 1990). *CSI 55115.002*. ISSN 0318-0743  
MICROLOG 90-06059 5 fiche

Each year, the Municipal Directory is amended. This year's Directory provides a current source of information about municipally elected representatives and appointed officials.  
MU ON PA ST

### Municipal Finance Authority of British Columbia : Annual report 1989

Victoria : The Authority, 1989. 52 p. : ill. *CSI 38158.001*.  
MICROLOG 90-03486 1 fiche

This annual report provides financial highlights, and describes how the Municipal Finance Authority functions. It provides an auditor's report.  
BC CO MU PR

### Municipal Race Relations : report of the proceedings

Ontario Conference on Municipal Race Relations (1st : 1988 : Toronto, Ont.). Toronto : Ministry of Citizenship, 1989. 64, 64 p. *Bilingual* (*Les*

Relations interraciales dans...). ISBN 0-7729-6917-5  
MICROLOG 90-06614 2 fiche

Contains the report of the First Provincial Conference on Race Relations. The conference discussed how municipalities and municipal committees can address matters of race relations; to learn from the experience and efforts of others; and to explore ways to be more effective in our efforts to promote positive race relations. The conference brought together a broad mix of people. Approximately half of the 130 participants were representatives from race relations committees from many parts of the province. Participants also included institutional and community representatives as well as municipal administrators  
MU ON PR SA

### Municipal recreation in Nova Scotia : final report

Nova Scotia. Joint Committee on Municipal Recreation. Halifax : Dept. of Culture, Recreation and Fitness, 1985. 14 p.  
MICROLOG 90-01152 1 fiche

This report is based on briefs submitted by 49 municipal units, a staff paper prepared by the Department, and the experience of committee members.  
AP CU MU PR

### Municipal solid waste management : whose problem is it?

Toronto : Association of Municipalities of Ontario, 1990. v, 91 p. (AMO report : waste management series 1990)  
MICROLOG 90-07154 2 fiche (Available on fiche only)

The Association of Municipalities of Ontario (AMO) represents more than 700 of Ontario's 839 municipalities. During the late 1980s, AMO began to receive urgent appeals from its members, many supported by council resolutions, for help to deal with what was becoming a solid waste management crisis. The AMO has reviewed Ontario municipalities' solid waste management concerns and published two reports calling for action. This third report looks at the roles, responsibilities, costs and funding of the federal, provincial and municipal governments as well as industry and consumers. Each sector is studied separately as to its roles in, and the funding of, municipal solid waste management. Recommendations are then offered for improvement or in new areas which that sector could address.  
EV MU ON SC

### Municipal statistics including regional districts, 1988

Victoria : Ministry of Municipal Affairs, Recreation and Culture, 1989. 223 p. *CSI 37115.004* ISSN 0702-6641  
MICROLOG 90-05515 3 fiche

Contains financial and other statistical information relating to municipal and regional districts in British Columbia. This information came from audited financial statements forwarded to the Ministry, as required by the Municipal Act, and from other statements provided by municipal and regional district officials. All information was reviewed and, where necessary, alterations have been made to make this presentation more comparable  
BC MU PA ST

### Municipal water rates in Canada, 1986 : current practices and prices

by D.M. Tate. Ottawa : Inland Waters/Lands Directorate, Water Planning and Management Branch, 1989. v, 16 p. (Social science series ; no. 21) ISBN 0-662-16814-3  
MICROLOG 90-03098 1 fiche

Presents an analysis of municipal water rates charged to residential and commercial water



users in Canada. The purposes of the paper are to examine the types of water rate schedules in use, to compile both the unit prices and the total prices of water paid by consumers across Canada, and to evaluate current practices against some commonly accepted criteria for the operation of municipal water systems.  
CA NR PW

**Musée de la civilisation (Québec) : Rapport annuel 1988-89**

Québec : le Musée, 1989. 34 p. : ill.  
CSI 67308.001.  
MICROLOG 90-07335 1 fiche

Le Musée de la civilisation est une société d'Etat constituée en vertu de la Loi sur les musées nationaux. Il a pour objectif de présenter des thèmes variés qui sont au coeur des préoccupations de la femme et de l'homme d'aujourd'hui. Ce document présente le rapport annuel du musée ainsi que les états financiers pour l'année 1988-1989.  
CU PR QU

**The Mustard growers manual**

Mustard Association. Winnipeg : Manitoba Agriculture, 1990. 24 p. : ill.  
MICROLOG 90-07014 1 fiche

Guide to growing mustard, including seedbed preparation, fertilizer use, flowering and pollination, prevention and control of weeds, insect pests and diseases, and harvesting and storage. Information is also given on the types of mustard and their uses, and the international market for mustard.  
AG MS PR SC

**Mutatox test : a new environmental impact assessment procedure for water and sediment**

by K.K. Kwan...et al. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 15 p. Bibliogr. (NWRI contribution ; 89-156)  
MICROLOG 90-02445 1 fiche

Industrial pollutants and toxicants such as herbicide, insecticide, fertilizers and car exhaust fumes affect the aquatic biota in many ways and at different levels. Some preference has been shown for the use of the 'battery of tests' approach to testing using several different short-term biological tests. In this study, Yamaska River water and Milli-Q water and organic sediment extracts were used to evaluate the sensitivity of a newly developed genotoxicity screening test, the Mutatox test.  
CA EV SC

**Mycoses in fish : a survey of the literature**

by J. Dahle. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 15 p. (Canadian translation of fisheries and aquatic sciences ; no. 5149) Originally published in German, by Verlag Paul Parey at Berlin and Hamburg. ISSN 0704-3716  
MICROLOG 90-00089 1 fiche

Fungi are important in diseases of fish. The pathogenic species are mainly those which are specialized for life in water and may be saprophytic or parasitic. This paper mainly discusses such familiar diseases as saprolegniasis, whirling disease and gill rot, and includes a description of the pathogen and a survey of the available literature. It also deals with the less frequently described diseases, including those caused by *Exophiala salmonis*, *Scolecobasidium humicola*, *Phoma herbarum* and yeast fungi.  
• CA CF FI LS SC

**N.B. Coal Limited : Rapport annuel 1988-89**

Fredericton : la Compagnie, 1989. 27 p. : ill.

CSI 99333.001F.  
MICROLOG 90-04013 1 fiche

Document portant essentiellement sur les points suivants: les opérations (exploration, production par gisement, caractéristiques du charbon et régénération du sol); Grand Lake Resources; le résumé des cinq dernières années; historique de la production; les états financiers consolidés (rapport des vérificateurs et bilan consolidé), l'état consolidé de la perte; l'état consolidé du déficit; l'état consolidé des mouvements de trésorerie; et les notes afférentes aux états financiers consolidés.  
AP CO EN NR PR SC ST

**N.B. Farm Products Marketing Commission : Annual report 1988-89**

Fredericton : The Commission, 1989. 26, 27 p. : ill. Bilingual. CSI 45101.004.  
MICROLOG 90-04152 1 fiche

This annual report outlines the major activities and accomplishments of the Commission. It also reviews the Farm Products Appeal Tribunal, and the New Brunswick Marketing Boards.  
AG AP CO PR

**NABST Committee on Federal Expenditures in Science and Technology, book I : background information**

Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. ii, 50 p. : ill. (Report ; MSL 89-116(IR))  
MICROLOG 90-01332 1 fiche

This document was prepared in response to the needs and requirements of the NABST Committee on Federal Expenditures on Science and Technology, called to assess the quality and effectiveness of the scientific research performed by government organizations. The Mineral Sciences Laboratories (MSL) are one of two groups selected for review. The background information contained in Book I includes a description of Energy, Mines and Resources Canada's mandate, and CANMET's mission statement. The organizational structure of the department is briefly reviewed and the policies and factors that affect CANMET's, and hence MSL's plans and operations are described. The strategic directions for MSL's work are reviewed, its areas of work are described and its budget history over the past 5 years is given. This review includes a list of all personnel and the curriculum vitae of the principal scientists.  
• CA CM PA SC

**NABST Committee on Federal Expenditures in Science and Technology, book II : work area description**

Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. i, 117 p. (Report ; MSL 89-117(IR))  
MICROLOG 90-02555 2 fiche

Descriptions of goals and scope, personnel, facilities, and capabilities of each of the work areas in process mineralogy, mineral processing, computer-aided mineral processing, pyrometallurgy, hydrometallurgy, biotechnology, environment, concrete technology, ceramics, and analytical standards and methods.  
• CA CM SC

**NABST Committee on Federal Expenditures in Science and Technology, book III : curricula vitae**

Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. i, 171 p. Bibliogr. (Report ; MSL 89-118(IR))  
MICROLOG 90-02556 2 fiche

Information on degrees, expertise, career, professional affiliations, awards, current research, significant contributions, and publications for the main staff in the Mineral Science Laboratories work areas of process mineralogy, mineral dressing, computer-aided mineral processing, pyrometallurgy, hydrometallurgy, biotechnology, environment, concrete technology, ceramics, and analytical standards and methodology.  
• CA CM SC

**The NACA position on community services in health care for seniors**

Ottawa : National Advisory Council on Aging, 1990. 19, 19 p. Bibliogr. (Aging and NACA ; no. 8) Bilingual (La Position du CCNTA...). ISBN 0-662-57440-0  
MICROLOG 90-06660 1 fiche

Presents the NACA's position in brief, suggestions for action, as well as a full statement of its position. It addresses the question, what is health? It also stresses the importance of independence and health to seniors' quality of life. Finally it determines the size of the senior population needing support, and the nature of community-based services.  
CA HE SA

**The NACA position on informal caregiving : support and enhancement**

Ottawa : National Advisory Council on Aging, 1990. 24, 25 p. Bibliogr. (Aging and NACA ; no. 9) Bilingual (La Position...l'aide informelle...). ISBN 0-662-57745-0  
MICROLOG 90-07214 1 fiche

The Council advises the Minister of National Health and Welfare on issues related to the aging population and seniors' quality of life. This report contains NACA's position and recommendations with regards to informal caregiving. The document defines and describes the role of informal caregivers and discusses the importance of informal caregiving and related issues. Issues include formal and informal networks, needs of caregivers, housing needs, community-based services, monetary costs and costs related to the caregiver's employment.  
CA SA

**The NACA position on the Goods and Services Tax**

Ottawa : National Advisory Council on Aging, 1990. 12, 12 p. Bibliogr. (Aging and NACA ; no. 7) Bilingual (La Position du CCNTA...). ISBN 0-662-57268-8  
MICROLOG 90-03851 1 fiche

The Council reviews the needs and problems of seniors and recommends remedial action, liaises with other groups interested in aging, encourages public discussion, and publishes and disseminates information on aging. This document describes the NACA's position in brief, and specifies the modification still required for the GST proposal.  
CA CI CO SA

**Nâitre ou ne pas être**

par J. Henripin. Québec : Institut québécois de recherche sur la culture, 1989. 140 p. Bibliogr. (Diagnostic ; 10) ISSN 0831-5264 ISBN 2-89224-101-4  
MICROLOG 90-01966 2 fiche

Les Québécois sont maintenant à classer parmi ceux qui souffrent le plus de sous-fécondité, qu'ils soient francophones, anglophones ou autres. C'est de ce problème dont il est question dans ce document. Les deux premiers chapitres servent de fondations: on y estime le potentiel humain en matière de procréation, son usage, et l'on raccorde la natalité au fonctionnement 'organique' de la population. Le troisième chapitre évoque deux siècles d'abondance et le quatrième retrace la chute du dernier siècle, qui se termine par la



flambée du baby-boom, puis l'effondrement récent.  
BS PR QU SA SC

#### Narcotic, controlled and restricted drug statistics, 1988

Ottawa : Health and Welfare Canada, Health Protection Branch, Drugs Directorate, Bureau of Dangerous Drugs, 1989. 206 p. : ill. *Bilingual (Statistiques concernant les stupéfiants...)*. CSI 21112.007. MICROLOG 90-01394 3 fiche

Statistical data concerning drug-related criminal offences, licit drug diversion from medical supply channels, patients on the methadone maintenance program, and an analysis of seizures of illicit drugs for the calendar year 1988. Data was extracted from case reports submitted to the Bureau by law enforcement agencies, health professionals, Bureau inspectors and Field Operations Directorate of Health and Welfare Canada. Data covers up to 10 years.  
BS CA JU SA ST

#### Narrow vein blasthole stoping : current drilling and blasting technology

by Y.C. Lizotte. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. 28 p. Bibliogr. (Report : MSL 89-93(IR)). MICROLOG 90-01328 1 fiche

Review of current drilling and blasting practices of longhole blasthole stoping for narrow vein mining. General references are provided and mining operations using this mining method are described. The review describes the drilling and blasting parameters and dimensions, and assesses the type of ground conditions under which the mining method has been applied.  
● CA CM NO NR PS SC

#### The Narwhal *Monodon monoceros* L.

by L. Arvy. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. iii, 89 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences : vo. 5342) *Originally published in French, at Paris, France.* ISSN 0704-3716. MICROLOG 90-01465 2 fiche

Description of the narwhal skin, head, body and tail, muscles and skeleton, interior organs, behaviour, and reproduction.  
● CA CF FI LS SC

#### National action plan for biosphere reserves in Canada

Ottawa : Canada/MAB, Canadian Commission for Unesco, 1987. x, 23, x, 27 p. Bibliogr. (Report : 19) *Bilingual (Plan d'action national...)*. ISSN 0317-5693. MICROLOG 90-00361 1 fiche (Available on fiche only)

Among international agencies, UNESCO has taken a leading role in addressing people's relationship to the environment through its establishment of the Man and the Biosphere (MAB) program in 1971. MAB projects are currently being carried out in most countries, and a world-wide network of research and pilot projects, with education and training components, has been established. One of the MAB program's major objectives is the development of a global network of biosphere reserves, consisting of a protected core and an adjacent or surrounding developed area. As of 1987, 4 biosphere reserves had been established in Canada, with more to be so designated. To expand the existing network, Canada/MAB has prepared the National Action Plan for Biosphere Reserves to establish an effective biosphere reserve network in Canada, and to provide Canadian support for the UNESCO international action plan. This paper contains an introduction and definition of

biosphere reserves, and a list of actions proposed by Canada/MAB.  
CA EV NR SC

#### National air pollution surveillance : annual summary, 1987

Ottawa : Environment Canada, Conservation and Protection, Environmental Protection, Technology Development and Technical Services Branch, 1989. xx, 74 p. *Bilingual (Surveillance nationale...)*. CSI 22142.003. MICROLOG 90-00285 1 fiche

The National Air Pollution Surveillance program is a joint project of the federal and provincial governments to monitor and assess, on a continuing basis, the quality of the ambient air in the urban regions of Canada. The data reported in this summary were gathered by cooperating agencies from 415 sampling instruments in 59 cities and compiled by Environment Canada. Measurements were made for sulphur dioxide, carbon monoxide, nitrogen dioxide, ozone, soiling index, suspended particulates, lead, dustfall and sulphation rate. The first part of the summary presents the compilation of the data obtained and the second part compares that data with the National Air Quality Objectives.  
CA EV SC ST

#### National air pollution surveillance : annual summary, 1988

Ottawa : Environment Canada, Environmental Protection Service, 1989. xx, 74 p. (Report : EPS 7/AP/21) *Bilingual (Surveillance nationale de la pollution...)*. CSI 22142.003. ISBN 0-662-57139-8. MICROLOG 90-02194 2 fiche

The National Air Pollution Surveillance Program is a joint project of the federal and provincial levels of government to monitor and assess, on a continuing basis, the quality of the ambient air in the urban regions of Canada. This annual summary presents data reported from 407 sampling instruments in 52 cities across the 10 provinces and the 2 territories. Measurements were made for sulphur dioxide, carbon monoxide, nitrogen dioxide, ozone, soiling index, suspended particulates, lead, dustfall and sulphation rate. The summary also compares the 1988 data with national air quality objectives for sulphur dioxide, carbon monoxide, nitrogen dioxide, ozone and suspended particulates.  
● CA EV SC

#### National Alcohol and Other Drugs Survey : highlights report

Ottawa : Health and Welfare Canada, Health Services and Promotion Branch, Health Promotion Directorate, 1990. x, 42 p. : ill. Bibliogr. *French ed. (Enquête nationale sur l'alcool...)* on the same fiche. CSI 21112.212. ISBN 0-662-17860-2. MICROLOG 90-06515 2 fiche

There is ample evidence to suggest that the abuse of alcohol and other drugs affects a significant number of Canadians directly, and many more indirectly. This document describes the results of Canada's National Alcohol and Other Drugs Survey. The survey was carried out by Statistics Canada on behalf of Health and Welfare Canada in March 1989. In total, 11,634 adult Canadians age 15 and over participated in the survey. Respondents were asked about their use of alcohol and other drugs. They were questioned about health, social, and economic problems arising from the misuse of alcohol, illicit, prescription, and over-the-counter drugs, and they were asked what could or should be done to prevent such problems.  
BS CA CI SA ST

#### National Archives of Canada : Annual report 1988-89

Ottawa : The Archives, 1989. 109 p. : ill.

*Bilingual.* CSI 22274.001. ISBN 0-662-57142-8. MICROLOG 90-04289 2 fiche

Annual report of the National Archives of Canada dealing with acquisition, preservation and access to our national heritage, management of the records of the Government of Canada; serving the public; international activities; and managing the Dept.  
CA CU

#### National Archives of Canada : Annual review 1987-88

Ottawa : The Archives, 1988. 89 p. : ill. *Bilingual.* CSI 22274.001. ISBN 0-662-56218-6. MICROLOG 90-02139 1 fiche

Annual review of the Archives, including an overview of the year's activities and legislation passed; the methods the Archives uses to acquire and preserve records; service to the public in the form of exhibitions, publications, courses, conferences and cooperative ventures; records management activities, and international activities. Also included are a list of publications, in-house and circulating exhibitions, loans, and staff contributions beyond the department. An organizational chart is given.  
CA CU

#### National drug intelligence estimate, 1988-89 with trend indicators through 1991

Ottawa : Royal Canadian Mounted Police, Drug Enforcement Directorate, 1989. vii, 110, vii, 110 p. : ill., maps. *Bilingual (Rapport annuel national...)*. CSI 22279.002. ISSN 0820-6228. MICROLOG 90-06943 3 fiche

Comprehensive annual review of the origin, volume, trafficking routes, modes of transport and smuggling methods of all drugs on the Canadian illicit market as well as the associated drug money flow. Its purpose is to co-ordinate the collection, collation, analysis and dissemination of foreign and domestic drug intelligence of interest to policy makers, agencies and individuals. Also included in the report are the major Canadian related drug seizures in 1988.  
CA CI JU SA ST

#### National Farm Products Marketing Council (Canada) : Annual report 1988-89

Ottawa : The Council, 1989. 44, 46 p. *Bilingual.* CSI 22254.001. MICROLOG 90-00308 1 fiche

This annual report provides an operations review, proposals for new agencies, an administrative review, a glossary, and a Council directory for 1988/89.  
AG CA CO ST

#### National Housing Act mortgage loan insurance policy in special risk communities : discussion paper

Ottawa : Canada Mortgage and Housing Corporation, 1988. 17, 21 p. *Bilingual (Lignes de conduite régissant...)*. MICROLOG 90-00945 1 fiche

Canada Mortgage and Housing Corporation (CMHC) is working toward increasing borrower access to mortgage financing insured under the National Housing Act (NHA) in communities where their economic characteristics suggest a potential of unacceptable mortgage defaults and claim losses to the Mortgage Insurance Fund (MIF). In May of 1986, CMHC initiated a consultative review of public mortgage loan insurance on behalf of the federal government. Many points of consensus emerged in the consultations. Above all, consultation participants endorsed the continuation of public mortgage loan insurance as the means to achieve throughout Canada federal housing goals of supporting access to home ownership



and facilitating rental production. This report discusses the past lending policy, the proposed lending policy, tripartite risk sharing options, implementation options, and rejected options. CA CO SA

# **National housing outlook, summer, 1989**

Ottawa : Canada Mortgage and Housing Corporation, Market Analysis Centre, 1989. 62 p. : ill.  
MICROLOG 90-01941 1 fiche

This document presents outlooks for all provinces. It provides for each province a housing market review for the first half of 1989, and a 1989-90 outlook for the economy and the housing market. CA CI CO PL SA

# **National Hydrology Research Centre (Canada) : Annual report 1987-88**

Ottawa : The Centre, 1989. 26, 30 p. : ill. Bibliogr. Bilingual. CSI 21148.001. ISSN 0843-5715  
MICROLOG 90-02595 1 fiche

Annual report of the Centre, which this year includes the activities of both the National Hydrology Research Institute divisions and the National Hydrology Research Centre. Highlights of the year are given, with more detail given for the divisions of surface water, ground water, aquatic ecology, research support, water quality, and atmospheric environment. A list of publications and reports is also included. CA EV NR PS SC

# **The National Incinerator Testing and Evaluation Program : characterization of residues from a modular municipal waste incinerator with line-based air pollution control**

by S.E. Sawell, T.W. Constable and R. Klicius. Ottawa : Environment Canada, 1989. 66 p. : ill. Bibliogr. (Report ; IP-101)  
MICROLOG 90-02384 1 fiche

In 1984, Environment Canada established the National Incinerator Testing and Evaluation Program (NITEP) to examine the impact of municipal waste incineration on the environment and human health. The chemical properties and leachability of residues collected from 2 different types of municipal solid waste (MSW) incinerator systems and an air pollution control pilot plant were evaluated. Based on the results from these and other studies, concern was expressed over the potential release of toxic substances from improper disposal of MSW residues. This resulted in an expansion of the NITEP ash characterization studies to include the evaluation of ashes from several other different incinerators in Canada and the U.S. The first study in this expanded program evaluated ashes from a coarse refuse derived fuel (semi-suspension) combustion system. This report describes the results of the second study, which evaluated bottom, boiler, economizer and combined conditioning tower/fabric filter ash from the London Victoria Hospital energy-from-waste facility in London, Ontario. ● CA CI EV MU ON SC

# **National Information and Informatics Policies in Africa : report and proceedings of a regional seminar**

Shahid Akhtar, editor. Ottawa : International Development Research Centre, 1990. vii, 298 p. Bibliogr. (Manuscript report ; 233e) MICROLOG 90-06129 4 fiche (Available on fiche only)

The Seminar took place at the Headquarters of the Economic Commission for Africa in Addis Ababa, Ethiopia. This gathering was unique in being the first of its kind to examine information and informatics policies for development in Africa, particularly for a select number of countries in the east and southern

African sub-region. The ten papers selected for the publication provide a comprehensive coverage of the seminar's proceedings. Experiences and views of the participants can be described under seven general headings, including information and public policy; rationale and need for national information and informatics policies; scope of national policies; instruments of policy; the policy process and its key actors; policy issues; and recommendations. CA EX SC TE

# **National inventory of sources and emissions of benzene, 1985**

by A.P. Jaques. Ottawa : Environment Canada, Environmental Protection Service, 1990. xii, 61 p. : ill. Bibliogr. (Report ; EPS 5/AP/1) French ed. (*Inventaire national des sources...*) : 90-04605/1. ISBN 0-662-17591-3  
MICROLOG 90-04606 1 fiche

Estimates of the quantities of benzene released to the environment as emissions in 1985, classified by source, sector, and province. These estimates are based on sampling data, process emission factors, and production figures. A brief summary of the sources and uses of benzene is included, as well as a summary of its health effects and an analysis and description of trends in emissions. A description of the methodology and its accuracy are included. CA EV SC

# **National inventory of sources and emissions of carbon dioxide, 1987**

by A.P. Jaques. Ottawa : Environment Canada, Environmental Protection Service, 1990. xvii, 37 p. : ill. Bibliogr. (Report ; EPS 5/AP/2) French ed. (*Inventaire national des services...*) : 90-05304/1. ISBN 0-662-17590-5  
MICROLOG 90-05430 1 fiche

Estimates of the quantities of carbon dioxide released to the environment as emissions in 1987, classified by source, sector, province, and fuel type. The estimates are based on sampling data, production figures, and stoichiometric equations. A brief summary of the sources of carbon dioxide is included, as is a detailed analysis of the methods used in estimating emissions. ● CA EV SC

# **National Library of Canada : Annual report 1988-89**

Ottawa : The Library, 1989. 67 p. : ill. Bilingual. CSI 22258.001. ISBN 0-662-56775-7  
MICROLOG 90-00567 1 fiche

The purpose of the National Library is to preserve Canada's published heritage and foster Canadian studies, to promote the development of library resources and services throughout the country, and to support resource sharing nationally. This annual report covers acquisitions, preservation, access, promotion, Canadian Library Development, and resource sharing among Canadian libraries. CA CU ST

# **National Research Council Biotechnology Program**

Ottawa : National Research Council Canada, 1989. 28 p. : ill. MICROLOG 90-00139 1 fiche (Available on fiche only)

Biotechnology is the use of living organisms for practical and industrial purposes and has been recognized as a strategic technology with applications across a wide range of sectors, including agriculture, food-processing, industrial chemicals, medicine, pharmaceuticals, mining, and forest products. This document gives an overview of the National Research Council (NRC)'s biotechnology program, then describes in more detail the component parts, consisting

of the plant biotechnology institute, researching cell technology, gene technology, and biological chemistry; the division of biological sciences, researching proteins, carbohydrates, and medical biosciences; and the biotechnology research institute, involved in research in genetic engineering, protein engineering, molecular immunology, and biochemical engineering. The document also describes the various comprehensive programs, the joint program with industry, and the industrial biotechnology conference hosted by NRC. CA LS SC

# **National Research Council Canada. Division of Biological Sciences : Annual report 1988**

Ottawa : The Division, 1989. 51 p. : ill. CSI 22369.001. MICROLOG 90-01641 1 fiche (Available on fiche only)

Annual report of activities in the Division, which conducts generic frontier research in specific areas of biotechnology that require a multidisciplinary approach, hold good potential for application, and are oriented toward industrial and economic development. Research is focused on molecular genetics, protein engineering, molecular medicine, molecular immunology, anaerobic microbiology, biological degradation of undesirable materials, and biological production of fine chemicals. Highlights of the year are given, with more detailed information on projects under the various divisions. Information is also given on research facilities available, the industrial liaison office, and administration and services, including an organization chart. CA LS SC

# **National Research Council Canada : Annual report 1988-89**

Ottawa : The Council, 1989. 48, 55 p. : ill. Bilingual. CSI 22261.001. ISBN 0-662-56720-X  
MICROLOG 90-00518 2 fiche (Available on fiche only)

Annual report of the Council, presenting information on the concluding year of their 5-year plan. The report gives an overview of the year's activities, and research activities in chemistry, biotechnology, marine science, advanced materials, industrial materials, astrophysics, physics, space, marine dynamics, mechanical engineering, atmospheric studies, construction, engineering, and material science. The Council's information activities are also given, as well as corporate programs and a list of those honoured. A financial review is included. CA PS SC ST

# **A National stay-in-school initiative**

Ottawa : Employment and Immigration Canada, 1990. 18, 18 p. : ill. Bilingual (*Projet national d'incitation...*). On cover: Youth. ISBN 0-662-57413-3  
MICROLOG 90-06976 1 fiche

Contains statistics on the youth share of the labour force, 1966-2000; rising skill requirements; unemployment rate of out-of-school youth; youth in the labour force 1970-1995; and high school dropout rates. It also presents a three-part initiative to respond to the serious threat that the secondary school dropout rate poses to the future productivity of the Canadian economy. CA ED

# **National survey on drinking and driving, 1988 : overview report**

Ottawa : Health and Welfare Canada, 1989. 19 p. : ill. French ed. (*Enquête nationale sur l'alcool...*) on the same fiche. CSI 21112.211. ISBN 0-662-17380-5  
MICROLOG 90-02402 1 fiche

This document contains information gathered in



a survey of approximately 10,000 adult Canadians, 1000 from each province. It focuses upon the respondents' attitudes, beliefs, and behaviours about impaired driving. It also examines what actions Canadians were taking to prevent impaired driving and what they thought should be done to prevent Canadians from driving while under the influence of alcohol.  
BS CA CI HE SA ST

# **National Symposium on Health Promotion and Disease Prevention : proceedings**

jointly sponsored by the provinces and territories of Canada ; hosted by Ministry of Health, B.C. and the Capital Regional District. Victoria : The Symposium, 1989. 167 p. : ill. MICROLOG 90-03061 2 fiche

Proceedings of the symposium, covering behaviour and biology; reports from the provinces and territories on health matters in their areas; changes in health promotion by government and communities; and policy debates.  
BC HE PR

# **National Transportation Agency of Canada : Annual report 1989**

Ottawa : The Agency, 1990. 69, 73 p. : ill. Bilingual. CSI 22207.003. ISBN 0-662-57149-5  
MICROLOG 90-05502 2 fiche

Second annual report of the Agency, which assumed responsibility for the federal regulation of Canadian transportation on January 1, 1988. The report covers the responsibilities and management of the Agency, as well as the areas of dispute resolution, market entry and analysis, transportation subsidies, and railway/pipeline investigation. Legal cases before the federal court and the Supreme Court of Canada are also included.  
CA SC ST TR

# **National urban air quality trends, 1978 to 1987**

Canada. Environmental Protection Service. Inventory Management Division. Ottawa : Environment Canada, Environmental Protection Service, 1990. xiv, 60 p. : ill., maps. Bibliogr. (Report ; EPS 7/UP/3) French ed. (Evolution de la qualité de l'air...) on the same fiche. CSI 22142.203. ISBN 0-662-17668-5  
MICROLOG 90-06179 2 fiche

The air quality data analyzed in this report came from the National Air Pollution Surveillance monitoring network, consisting of air monitoring stations in most cities with populations of over 100,000. Monitoring is conducted for sulphur dioxide, nitrogen dioxide, carbon monoxide, ozone, suspended particulates, lead, and soiling index. This report analyzes monitoring data to determine national trends in average and peak concentrations of these contaminants on an annual basis for the last 10 years (1978-87). Data were also compared with the National Ambient Air Quality Objectives which define levels of contaminant concentration of maximum desirable, maximum acceptable, and maximum tolerable.  
CA EV SC ST

# **National Water Research Institute (Canada) : Reflections, 1986-87**

Burlington, Ont. : The Institute, 1987. 19 p. : ill. French ed. (Réflexions, 1986-87...) on the same fiche. CSI 22262.002.  
MICROLOG 90-03129 1 fiche

This report aims to present a sketch of the Institute as it was in 1986-87, to chronicle major achievements, and to state the directions in which the NWRI program will develop in the future.  
CA NR SC

# **National Water Research Institute (Canada) : Reflections, 1987-88**

Burlington, Ont. : The Institute, 1989. 33 p. : ill. CSI 22262.002. ISSN 0844-6458  
MICROLOG 90-06296 1 fiche

The Institute conducts a national program of research and development in the aquatic sciences in order to advance scientific understanding of water issues and to develop knowledge and expertise on these issues for Environment Canada to use for water management. This report summarizes the activities and achievements of the Institute over the year covering topics such as chemical evaluation, testing toxicity, acid rain, water policy, wave research, robots, and drinking water, among others.  
CA NR PS SC

# **National Water Research Institute (Canada) : Reflections, 1988-89**

Burlington, Ont. : The Institute, 1989. 31 p. : ill. French ed. (Réflexions, 1988-89...) on the same fiche. CSI 22262.002  
MICROLOG 90-05775 1 fiche

Annual report of the Institute, which conducts a national program of R&D in the aquatic sciences. This report covers the activities of the Institute, including the World Conference on the Changing Atmosphere held in Toronto during June 1988, the progress of the National Wetlands Project, conducted in the Hudson Bay area; research into global metal pollution; an international conference on lake management and conservation; Canada/U.S. cooperation on methods of cleaning up the Great Lakes; the Nutrient-Contaminant Interactions Project; the impact of pulp mill effluents in the environment; cleanup of ground water; the fate and effect of chemicals from tar sands plants on the Athabasca River; a forum on the Canadian Environmental Protection Act; and biology and environmental regulation.  
CA NR PS SC

# **Les Nations-Unies et le désarmement**

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1989. 2 p. Bibliogr. (Fiche d'information ; 9) L'éd. anglaise (United Nations and disarmament) 90-01581/1. ISBN 0-662-95535-8  
MICROLOG 90-01977 1 fiche

Quand les Nations-Unies ont été fondées en 1945, on espérait que leur création 'préservait les générations futures du fléau de la guerre'. Maintenir la paix et la sécurité internationales est un des grands objectifs des Nations-Unies, et le désarmement est l'un des moyens d'y parvenir. Depuis 1945, l'ONU a mis en place un énorme 'dispositif de désarmement', expression qui désigne les différents organes de l'ONU qui s'occupent de la question du désarmement. Les plus importants d'entre eux sont décrits dans ce document.

• CA EX

# **Native Advisory Committee on Heritage, Language and Culture : Committee report**

British Columbia. Native Heritage, Language and Culture Advisory Committee. Victoria : The Committee, 1989. 10 p.  
MICROLOG 90-05022 1 fiche

The Committee makes recommendations to the Provincial Government concerning preserving the culture and language of the First Peoples of the province. This report reviews the activities, guiding principles and recommendations of the Committee.  
BC CU NP PR

# **Native broadcasting in the north of Canada : a new and potent force**

Ottawa : Canadian Commission for Unesco, 1988. 55 p. : maps. (Report ; 54) ISSN

0317-5693

MICROLOG 90-01997 1 fiche (Available on fiche only)

Presents information on population, distribution, and cultures of Canada's native people, and an historical overview of native broadcasting in Canada. It also addresses native broadcasting today, and northern native broadcasting issues. It provides a theoretical perspective on native broadcasting.

• CA CI NP TE

# **Native organizations in Manitoba : a list of groups organized by or for Indian and Metis people -- 10th ed.**

compiled and edited by Native Concerns Committee, Fort Garry United Church. Winnipeg : Manitoba Culture, Heritage and Recreation, 1990. iii, 43 p. CSI 41106.006.  
MICROLOG 90-07364 1 fiche

This document lists organizations in the following categories: treaty status regional organizations, Metis organizations, friendship centres, children and youth, support services, alcoholism and related services, medical services, education, vocational training, church sponsored groups, arts and crafts, employment and housing, communication, law and prison, federal government, and provincial government.  
MS NP PR

# **Native student dropouts in Ontario schools**

by R. Mackay and L. Myles. Toronto : Ministry of Education, 1989. x, 183 p. : ill. Bibliogr. (Student retention and transition series) CSI 55108.203. ISSN 0839-5039 ISBN 0-7729-6075-5  
MICROLOG 90-03743 2 fiche

Discusses the dimensions of the dropout issue; factors which contribute to natives dropping out of provincial secondary school; the identification of 'at-risk' native students in provincial secondary schools, and factors which contribute to native students' success in provincial secondary schools. It includes recommendations and additional suggestions.  
ED NP ON PR ST

# **NATO : North Atlantic Treaty Organization**

Ottawa : Canadian Institute for International Peace and Security, 1988. 2 p. (Factsheet ; 2) French ed. (L'OTAN : Organisation...) on the same fiche. ISBN 0-662-16107-6  
MICROLOG 90-01979 1 fiche

Canada, the United States and most of the states of Europe belong either to NATO (North Atlantic Treaty Organization) or the Warsaw Pact (also known as the Warsaw Treaty Organization or WTO). These organizations are alliances. An alliance can be defined as a group which pursues common interests. In international relations, an alliance is usually characterized by the pursuit of common military interests. This is a synopsis of the origin of NATO, its need for nuclear weapons, and the major issues.

• CA CI EX

# **NATO in a changing world**

by M. Rossignol. Ottawa : Library of Parliament, Research Branch, 1989. 23 p. Bibliogr. (Backgrounders ; BP-205E) French ed. (L'OTAN dans le nouveau...) on the same fiche. ISBN 0-660-13310-5  
MICROLOG 90-01901 1 fiche

As NATO enters its fifth decade of existence, it faces a serious challenge. Tensions within the alliance, significant changes in public opinion and radical developments in the Soviet Union and Eastern Europe, may provoke a crisis capable of causing NATO's disintegration or may make the alliance rethink its role and renew itself. This study examines the effect of the political and military developments of the



past decade on the basic tenets of NATO's military strategy and then considers how this influences the alliance's current posture in the face of changes in the Soviet Bloc and the implications for its future.  
CA CI EX

### Natural convection in the cavity of a basement block wall

by O.J. Svec and L.E. Goodrich. Ottawa : National Research Council Canada, Institute for Research in Construction, 1986. 7 p. : ill. MICROLOG 90-00163 1 fiche (Available on fiche only)

During the last decade, energy conservation became an important factor for the construction industry. The problem of heat losses through all components of a building envelope received considerable attention and a large amount of research work was done on heat losses from basements, taking into account various types of wall construction, insulation, type of soil surrounding basements, soil moisture content together with soil thermal characteristics and, of course, the effect of climatological conditions. The effect of natural convection in the cavity of a block wall was not sufficiently addressed however. This paper examines the overall heat flow through a block wall as well as the consequences of enhanced wall internal cooling by natural convection.  
CA PL PS SC

### Natural gas bus implementation at TTC's Lansdowne garage

by J.E. Turner, R. Monster and T. Topaloglu. Toronto : Ministry of Transportation, Transportation Technology and Energy Branch, 1989. vii, 53 p. : ill. MICROLOG 90-00770 1 fiche

The Toronto Transit Commission (TTC) recently made a commitment to purchase and operate natural-gas-powered buses. This decision necessitated a detailed investigation into the facilities and operations at the TTC's Lansdowne garage, where these buses are to be first implemented. This report details the findings of the investigation, and provides the information required to define the natural gas refuelling equipment and to forecast the impact on current operations. The study was conducted in August 1988 and concentrated on diesel bus refuelling and servicing. An analysis of this data led to the formulation of recommendations regarding natural gas refuelling facilities and bus queuing requirements.  
EN ON PR SC TR

### Natural gas market assessment, 1989-91

Ottawa : National Energy Board, 1989. v, 103 p. : ill., maps. Bibliogr. French ed (*Évaluation du marché du* ) on the same fiche. CSI 22158 004. ISBN 0-662-17375-9 MICROLOG 90-05836 3 fiche

This second market assessment report updates the detailed assessment of the structure and functioning of natural gas markets provided in the October 1988 report, and examines near-term prospects by providing a forecast of natural gas supply and demand for 1989, 1990 and 1991, and an assessment of pipeline capacity. The report reviews developments in the gas-producing and gas-consuming provinces; examines the major features of gas purchase contracts held by domestic distributors and of those for export sales, discusses transportation issues in regard to NEB-regulated pipelines; discusses pricing in domestic and export markets; describes the extent to which Canadian end users have been able to purchase gas supplies on freely-negotiated terms and on terms and conditions comparable to those available to export customers; and examines the short-term outlook for 1989-91 and pipeline capacity, including capacity utilization and storage capacity.  
CA EN SC ST

### Natural history of the Andrew Lake region, northeastern Alberta

edited by W. Bruce McGillivray and Ross I. Hastings. Edmonton : Provincial Museum of Alberta, Natural History Section, 1990. iv, 97 p. : ill., maps. Bibliogr. (Occasional paper ; no. 12) ISSN 0838-5971 ISBN 0-7732-0319-2 MICROLOG 90-06669 2 fiche

Andrew Lake is located in the far northeastern corner of Alberta, about 3 km from the NWT and Saskatchewan borders. The investigation was conducted from June 10-19, 1988 to describe the vegetation, collect the vascular and non-vascular flora and develop a checklist of these species, as well as gain information on the area's fire history and describe its soils. Some comparison of flora and soils were made with the 1987 work at Bistcho Lake, which lies in the boreal subarctic ecoregion of northwestern Alberta.  
AL EV NR PR SC

### Natural reproduction of red pine *Pinus resinosa* ait. in Newfoundland

by B.A. Roberts. St. John's : Canadian Forestry Service, Newfoundland Forestry Centre, 1989. vi, 36 p. : ill., maps. Bibliogr. (Information report ; N-X-273) ISSN 0704-7657 ISBN 0-662-17586-7 MICROLOG 90-04477 1 fiche

Red pine, the rarest indigenous coniferous tree species in Newfoundland, is known from only 22 stands located in 3 distinct geographic parts of the Island. This study investigated the various sexual reproductive phases leading to seed production, determined if there were differences in cone development amongst the various stands, and established that Newfoundland red pine produces viable seeds. The lack of regeneration in the Newfoundland sites might then be related to other factors, such as seedbed condition.  
• AP CA FO SC

### NAV-ICE/MARINE-VUE integration : final report

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada, by R.T. Lowry and J.G. McAvoy. Calgary, Alta. : Intera Technologies Ltd., 1989. ix, 33 p. : ill. Bibliogr. MICROLOG 90-04085 1 fiche

Recent developments in ship-borne radar workstations have centred on the support of the MV ARCTIC and the development of systems for the display and analysis of both airborne SAR and the ship's marine radar data. Previous work has shown the need for a new type of marine display whose abilities including the view of the image side by side, in daylight, with the airborne SAR data, freezing the display, with no fading of the image, and communicating data (image and control) from the marine display to the SAR display. This report describes work done to overcome those shortcomings, and to complete the integration of the marine radar into the SAR for tactical ice navigation. The Folsom Scan converter was modified, and additional control, data processing, and display hardware were designed and fabricated. The modified scan converter system was integrated with STAR-VUE, the airborne radar display system on the MV ARCTIC, and was installed for the final voyage of the ship in November 1988.  
CA NO PS SC TR

### Navires de commerce : résumés des rapports d'investigation sur les sinistres maritimes, 1

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 29 p. : ill., cartes géogr. (Publication ; no 1) L'éd. anglaise (*Commercial vessels...1*) sur la même fiche. MICROLOG 90-05685 1 fiche

Cette publication, publiée trois fois par année, donne un abrégé des rapports d'investigation sur les accidents/sinistres maritimes concernant les navires de commerce et autres bâtiments, les bateaux de pêche exceptés, qui furent sujet d'une enquête par la division des Enquêtes sur les accidents maritimes de Transports Canada. De plus, un glossaire des termes et des abréviations employés se trouve à la fin de cette publication.  
CA SC TR

### Navires de commerce : résumés des rapports d'investigation sur les sinistres maritimes, 2

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 66 p. : ill., cartes géogr. (Publication ; no 2) L'éd. anglaise (*Commercial vessels...2*) sur la même fiche. MICROLOG 90-05686 2 fiche

Cette deuxième publication, d'une série publiée trois fois par année, donne un abrégé des rapports d'investigation sur les accidents/sinistres maritimes concernant les navires de commerce et autres bâtiments, les bateaux de pêche exceptés, qui furent sujet d'une enquête par la division des Enquêtes sur les accidents maritimes de Transports Canada. Un glossaire des termes et des abréviations employées se trouve à la fin de cette publication.  
CA SC TR

### Navires de commerce : résumés des rapports d'investigation sur les sinistres maritimes, 3

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 62 p. : ill., cartes géogr. (Publication ; no 3) MICROLOG 90-05691 1 fiche

Document présentant les résumés des rapports d'investigation sur les sinistres maritimes. On y fournit la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA SC TR

### Navires de commerce : résumés des rapports d'investigation sur les sinistres maritimes, 5

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1988. 50 p. : ill., cartes géogr. (Publication ; no 5) L'éd. anglaise (*Commercial vessels...5*) sur la même fiche. MICROLOG 90-05689 2 fiche

Ce recueil, le cinquième d'une série publiée trois fois par année, donne un abrégé des rapports d'investigation sur les accidents/sinistres maritimes concernant les navires de commerce et autres bâtiments, les bateaux de pêche exceptés, qui furent l'objet d'une enquête par la division des Enquêtes sur les accidents maritimes de Transports Canada. Un glossaire des termes et des abréviations employés se trouve à la fin de la publication.  
CA SC TR

### Navires de commerce : résumés des rapports d'investigation sur les sinistres maritimes, 9

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1990. 43 p. : ill., cartes géogr. (Publication ; no 9) L'éd. anglaise (*Commercial vessels...9*) : 90-03804/1. MICROLOG 90-03805 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA SC TR



**Navires de commerce : résumés des rapports d'investigation sur les sinistres maritimes, 10**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1990. 45 p. : ill., cartes géogr. (Publication ; no 10) L'éd. anglaise (Commercial vessels : summaries...) sur la même fiche.

MICROLOG 90-05948 2 fiche

Rapport d'investigation fournissant la fiche technique des navires de commerce, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations. CA SC TR

**Neawagank Lake area**

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 24 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 512) Fold. maps not filmed.

MICROLOG 90-05623 1 fiche

Geological data inventory for Neawagank Lake Area, including a checklist of data sources, metals and minerals reference list, mineral occurrences, type of exploration work done by company, drillhole summary, results of a geochemical survey, topographic maps available, newspaper clippings available, results of an ODM general index search, and selected references.

NR ON PR PS SC

**The Need for a rehabilitation program for water distribution and sewage collection systems in Ontario**

by J.C. Elstad. Toronto : Ministry of the Environment, Environmental Approvals and Project Engineering Branch, 1987. vi, 56 p. : ill. Bibliogr.

MICROLOG 90-01416 1 fiche

Findings of a study to assess the need for a rehabilitation program in Ontario by determining the age and condition of the Province's water distribution and sewage collection systems. Data were gathered for water and sewer systems serving 80% of the entire serviced population in Ontario. The study also sought to discover any special problems in implementing a rehabilitation program in Ontario's smaller municipalities. Detailed information was gathered during visits to over 70 small municipalities.

ON PR PW SC

**Needlestick injuries : a summary of the occupational health concern**

by J.A. Baxter. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1990. i, 11 p. Bibliogr. French ed. (Blessures par piqûre d'aiguille...) : 90-05753/1. ISBN 0-660-13481-0

MICROLOG 90-04254 1 fiche

Needlestick injuries are a hazard for people who work with hypodermic syringes and other needle equipment. Such injuries can transmit infectious diseases, especially blood-borne viruses. This publication defines these injuries and their major and minor hazards; indicates which workers are at risk; the frequency of the injuries and how they occur; and presents guidelines on prevention.

• CA HE LA SC

**The Needs and attitudes of disabled Ontarians**

by Environics Research Group Limited ; for the Office for Disabled Persons. Toronto : Environics Research Group Limited, 1989.

117 p. : ill. Bibliogr.  
MICROLOG 90-00509 2 fiche

The first part of this report describes the characteristics of disabled Ontarians, the impact of various factors on their education, employment and income, their special needs, their leisure opportunities, their quality of life, and areas in which they are disadvantaged or dissatisfied. The second part includes a survey of organizations and describes their characteristics, the characteristics of the people they serve or represent, the goals of the organizations in serving the disabled community, the organizations' perceptions of the needs and attitudes of their disabled clients, and the organizations' perceptions of the adequacy of the roles they play.

ON PR SA

**Les Négociations de Genève sur la réduction des armes stratégiques**

par D. Cox. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1987. 12 p. (Exposé ; no 13) ISBN 0-662-94323-6

MICROLOG 90-04618 1 fiche

C'est en 1969 que les Etats-Unis et l'Union soviétique ont engagé les premières négociations officielles sur la limitation des armes stratégiques. Le processus se poursuit depuis lors, ponctué d'interruptions et de reprises. Jusqu'à présent, il a débouché sur deux accords (SALT I et II) visant à limiter le déploiement des armes stratégiques offensives, ainsi que sur un traité restreignant considérablement la mise en place de défenses anti-missiles balistiques (le Traité ABM). Ce document se penche sur la question et en fournit un sommaire.

• CA EX

**Nekite River spawning channel : 1989 operations**

by I. Winther, S.K. Bachan and R.D. Goruk. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. iii, 27 p. : ill., maps. (Canadian data report of fisheries and aquatic sciences ; no. 793) ISSN 0706-6465

MICROLOG 90-07169 1 fiche

The Nekite River spawning channel (Central Coast District, B.C.) has been operated annually for the enhancement of chum salmon since 1986. This report summarizes the data collected during the 1989 Nekite River spawning channel operation. Chum salmon enumeration, camp operation and maintenance of the spawning channel are described.

• BC CA CF FI LS SC

**The Nestucca oil spill : fate and effects to May 31, 1989**

by L.E. Harding and J.R. Englar. Ottawa : Environment Canada, Conservation and Protection, Environmental Protection Service, 1989. x, 91 p. : ill., maps, fold. maps. Bibliogr. (Regional program report ; 89-01)

MICROLOG 90-06279 2 fiche

Approximately 875,000 litres of Bunker C fuel oil were spilled off the Washington coast during the early morning of December 23, 1988. The oil was first reported on the B.C. coast near Carmanah Point on December 31, 1988, and progressed north, arriving as small patches at Cape Scott about January 14, 1989. Oiling was reported as far south as Victoria, and traces of Nestucca oil landed on islands of the northern mainland near Bella Bella. This report documents the distribution and movements of oil along the Vancouver Island coastline as a basis for further studies of the longer term impacts. It also summarizes those environmental impacts that occurred and could be documented during the initial period. The report is part of the full assessment of the spill requested by the federal and provincial ministers of the environment.

• BC CA EN EV SC

**Nestucca oil spill : impact assessment on avian populations and habitat**

by M.S. Rodway, et al. Ottawa : Canadian Wildlife Service, Pacific and Yukon Region, 1989. v, 48 p. : maps. (Technical report series ; no. 68) ISSN 0831-6481 ISBN 0-662-17025-3

MICROLOG 90-02385 1 fiche

According to U.S. authorities, the Nestucca barge was damaged and began leaking oil off Grays Harbour, Washington on December 23, 1988. The barge was towed offshore, still leaking oil, to the edge of the continental shelf. Oil travelled northward and was first recorded on the British Columbia coast on December 31, 1988. As part of the impact assessment of the Nestucca oil spill in British Columbia, oiled bird mortality was quantified and analysed, surveillance was maintained for the presence of oil on seabird breeding colony sites and known wintering and migration areas, and critical habitat in proximity to oiled areas for wintering waterbird concentrations were surveyed. In the course of those surveys, conducted between January 8 and February 3, 1988, records were kept of oil in other areas.

BC CA EV SC

**Net basal area response 9 years after fertilizing thinned and unthinned Douglas-fir**

by S.A.Y. Omule. S.I. : Forest Resource Development Agreement ; Victoria : Ministry of Forests, 1990. vi, 20 p. : ill. Bibliogr. (FRDA report ; 097) ISSN 0835-0752 ISBN 0-7726-1077-0

MICROLOG 90-04739 1 fiche

Fertilizing Douglas-fir forests with nitrogen (N) can temporarily boost tree growth and accelerate stand dynamics. The potential, magnitude and duration of the response may vary with fertilizer dose and type, site characteristics such as soil moisture and nutrient status, environmental conditions, and tree and stand history. This report presents empirical regression equations for predicting response of thinned and unthinned immature Douglas-fir to N fertilization in some sites in the eastern variant of the very dry maritime Coastal Western Hemlock subzone. It is based on 9 years of measurement and conservation.

BC FO PR SC

**Net blotch, spot blotch and scald of barley**

Regina : Saskatchewan Agriculture and Food ; Saskatchewan Rural Development, 1990. 2 p. (Farm facts) ISSN 0840-9447

MICROLOG 90-03561 1 fiche

Short descriptions of these fungal diseases of barley, including, for each, symptoms, disease cycle and control.

AG MS PR SC

**Networks of centres of excellence**

International Peer Review Committee. Ottawa : Natural Sciences and Engineering Research Council Canada ; Medical Research Council of Canada ; Social Sciences and Humanities Research Council of Canada ; Industry, Science and Technology Canada, 1989. 71 p. French ed. (Réseaux de centres d'excellence) : 90-02491/1

MICROLOG 90-02490 1 fiche

Three federal Granting Councils were charged with organizing the process of inviting and reviewing applications to the Networks of Centres of Excellence Program, and making recommendations to the government on which proposals should be selected. This document reports on the 158 proposals submitted on the basis of published selection criteria.

CA SC



### Networks of centres of excellence : NCE program backgrounder

Ottawa : Natural Sciences and Engineering Research Council of Canada ; Medical Research Council of Canada ; Social Sciences and Humanities Research Council of Canada ; Industry, Science and Technology Canada, 1989. 16, 16 p. *Bilingual (Réseaux de centres d'excellence...)*.  
MICROLOG 90-02492 1 fiche

The Networks of Centres of Excellence competition was announced in May 1988 as part of the new federal science and technology strategy. This booklet describes the research teams and lists the participating centres for each. Research teams cover bacterial diseases, biotechnology for insect pest management, space research, molecular and interfacial dynamics, genetic basis of human disease, high performance concrete, robotics and intelligent systems, telecommunications research, microelectronic devices, circuits and systems for ultra large scale integration, neural regeneration and functional recovery, ocean production enhancement, protein engineering, respiratory health, and high-value papers from mechanical wood pulps.  
CA SC

### New Brunswick. Apprenticeship and Occupational Certification : Report of the Director, July 1, 1989 - December 31, 1989

Fredericton : The Branch, 1990. 74 p.  
*Bilingual. CSI 46149.001. ISSN 0383-4042*  
MICROLOG 90-06906 1 fiche

This report identifies the number of new apprentices and the total enrolment during the six-month period. It is expected that any changes that may be initiated in regard to the administration of apprenticeship will take place during the first months of 1990. The tables include the program name, number of candidates, number and percentage passed, number certified prior to start of report and other information.  
AP LA PR ST

### New Brunswick. Chief Coroner : Annual report 1989

Fredericton : The Branch, 1990. 33, 35 p.  
*Bilingual. CSI 46114.001.*  
MICROLOG 90-05135 1 fiche

The N.B. Coroner investigates all deaths except in some cases where the person dies of disease or sickness while under treatment of a doctor. This annual report traces the origins of the function of the coroner from 871 A.D. to the present. The New Brunswick Coroners Branch, its organizational structure and its investigative capacity are discussed, and there is a statistical summary of investigated deaths for the year.  
AP JU PR

### New Brunswick. Civil Service Commission : Annual report 1988-89

Fredericton : The Commission, 1989. 37 p.  
*Bilingual. CSI 46116.001. ISSN 0382-2745*  
ISBN 1-55048-118-5  
MICROLOG 90-02142 1 fiche

The report provides an overall assessment of the staffing and appointment practices of those department and agencies that are under the provisions of the Civil Service Act.  
AP PA PR

### New Brunswick. Cream Marketing Board : Financial statements 1988-89

Sussex, N.B. : Buckley and Nixon, Chartered Accountants, 1989. 5 p. *CSI 46157.002.*  
MICROLOG 90-03180 1 fiche

Contains an auditors' report, a balance sheet, a statement of income and surplus, and a statement of changes in cash resources.  
AG AP CO PR

### New Brunswick. Dept. of Advanced Education and Training : Annual report 1988-89

Fredericton : The Dept., 1989. 57, 64 p. : ill.  
*Bilingual. CSI 46153.001.*  
MICROLOG 90-05727 2 fiche

Review of the year's highlights along with details of topics within the broad areas of programs and priorities (regular programs, literacy, youth strategy, apprenticeship, language training, student aid), program delivery (community colleges, schools of nursing, craft school, language training school), organization, and central office services (planning, apprenticeship and occupational certification, curriculum and evaluation, human resources, student financial and support services). The document contains a statistical appendix.  
AP ED PR ST

### New Brunswick. Dept. of Agriculture : Annual report 1988-89

Fredericton : The Dept., 1990. 111 p. : ill.  
*Bilingual. CSI 45101.001. ISBN 1-55048-288-2*  
MICROLOG 90-05136 2 fiche

Lists acts administered by the Department, and reviews the Farm Products Marketing Commission, and the Planning and Development Division. Discussed under Technology and Field Services are agricultural resource development, animal and plant industries, and development by region. Within Marketing and Finance, information includes data on crop insurance, agricultural finances and special projects.  
AG AP PR SC

### New Brunswick. Dept. of Education : Annual report 1988-89

Fredericton : The Dept., 1989. 111, 95 p. : ill.  
*Bilingual. CSI 45104.001. ISSN 0382-2850*  
ISBN 1-55048-123-1  
MICROLOG 90-01207 3 fiche

This annual report reviews the activities of Planning Evaluation and Communication Services, Educational Services Division (Anglophone) and Support Services Division. A short report is then presented for each of the approximately 25 school districts. The document is concluded by a statistical appendix covering pupil enrollment, combined classes, number and educational levels of teachers, pupil-teacher ratio, schools by level and language for each district, expenditures per pupil, and historical statistics. The French version of the document gives information relating to the Educational Services Division (Francophone).  
AP ED PR ST

### New Brunswick. Dept. of Health and Community Services : Annual report 1988-89

Fredericton : The Dept., 1989. 63 p. : ill.  
*Bilingual. CSI 45125.001. ISSN 0838-3693*  
MICROLOG 90-05417 1 fiche

The Department of Health and Community Services was formed officially April 1, 1986 when the former Community Social Services section of the Department of Social Services and the former Department of Health were amalgamated. This annual report describes the structure of the combined department. It contains an organization chart, map depicting the provincial community services regions, and statistical data for the year. The body of the report contains brief summaries of activities and achievements of the various branches which make up the departmental divisions.  
AP HE PR ST

### New Brunswick. Dept. of Income Assistance : Annual report 1988-89

Fredericton : The Dept., 1989. 27, 28 p. : ill.  
*Bilingual. CSI 45110.001. ISSN 0845-5554*  
ISBN 1-55048-108-8  
MICROLOG 90-00687 1 fiche

Presents information on the income security programs, planning and evaluation, corporate services, and the appeals board. It describes programs and services briefly with an account of the fiscal year's activities.  
AP CO PR ST

### New Brunswick. Dept. of Labour : Annual report 1988-89

Fredericton : The Dept., 1989. 57, 60 p. : ill.  
*Bilingual. CSI 45111.001.*  
MICROLOG 90-02278 2 fiche

This annual report contains divisional reports from planning and administration, employment, labour, technical and inspection services. It also reviews the activities of the Human Rights Commission.  
AP LA PR ST

### New Brunswick. Dept. of Municipal Affairs and Environment : Annual report 1988-89

Fredericton : The Dept., 1989. 37, 40 p. : ill.  
*Bilingual. CSI 45112.001.*  
MICROLOG 90-05629 2 fiche

Annual report of the Dept., giving an overview of the year's activities, with more detailed information on assessments, local government administration, emergency measures, the fire marshal's office, elections, the Urban Core Program, land use planning, water resource planning, environmental protection, and environmental services.  
AP EV MU PR SC ST

### New Brunswick. Dept. of Natural Resources and Energy : Annual report 1988-89

Fredericton : The Dept., 1989. iv, 108 p. : ill., maps. *Bilingual. CSI 45113.001.*  
MICROLOG 90-00677 2 fiche

Annual report presenting the achievements of departmental programs in timber, fish, wildlife, minerals, energy, and Crown land resources. The report provides a summary of activities and accomplishments during the past year for each project in each program, including expenditures indicating total funds spent. These expenditures include both operating and capital funds, as well as the total cost of activities funded under federal/provincial development agreements and other sources as indicated.  
AP EN NR PR SC ST

### New Brunswick. Dept. of Solicitor General : Annual report 1988-89

Fredericton : The Dept., 1989. 31, 31 p. : ill.  
*Bilingual. CSI 45126.002. ISSN 0847-5687*  
ISBN 1-55048-133-9  
MICROLOG 90-02585 1 fiche

The objective of the Department is to ensure the Administration of Justice through the enforcement of criminal law, the delivery of correctional services, the delivery of services to victims of crime, and the delivery of sheriff/coroner services in the province. This annual report reflects the structures, programs and initiatives undertaken by the Department during its first year of operation.  
AP JU PR

### New Brunswick. Dept. of Supply and Services : Annual report 1988-89

Fredericton : The Dept., 1989. 53 p. : ill.  
*Bilingual. CSI 45115.001. ISSN 0383-4948*  
ISBN 1-55048-109-6  
MICROLOG 90-02268 1 fiche



The principal responsibility of the Department is the provision of effective and efficient central services to other government departments and agencies. This annual report reviews finance and administration, services, special projects, and buildings.  
AP PA PR

**New Brunswick. Dept. of Tourism, Recreation and Heritage : Annual report 1988-89**

Fredericton : The Dept., 1990. 64 p. : ill. *Bilingual.* CSI 45116.001. ISSN 0839-6434 ISBN 1-55048-279-3  
MICROLOG 90-05252 1 fiche

This annual report covers the activities of the various divisions within the Ministry. These include: Administration; Research and Planning; Sport, Recreation and Culture; Marketing; Provincial Parks and Historic Sites; Development; Provincial Archives; New Brunswick Library Service; New Brunswick Film Classification Board; New Brunswick Museum, and Historical Villages such as Kings Landing Historical Settlement and Village Historique Acadien.  
AP CU PR ST

**New Brunswick. Dept. of Transportation : Annual report 1988-89**

Fredericton : The Dept., 1989. 99 p. : ill. *Bilingual.* CSI 45117.001. ISBN 1-55048-121-5  
MICROLOG 90-02266 2 fiche

This annual report reviews the activities of the Department's various services and branches, such as engineering services, operations, vehicle management, administration and policy, Corporation Securities Registration Act, Securities Frauds Prevention Act, planning, design, traffic engineering, Right of Way Branch, materials and research, construction, structures, technical services, administrative services, information systems, transportation and communications policy, motor vehicle, human resources, Motor Carrier Board, and Board of Commissioners of Public Utilities. It also contains financial statements.  
AP PR SC TR

**New Brunswick. Fisheries and Aquaculture New Brunswick : Annual report 1988-89**

Fredericton : The Ministry, 1989. 26, 28 p. *Bilingual.* CSI 45106.001.  
MICROLOG 90-02144 1 fiche

The improvement of New Brunswick's fish harvesting culturing and production capabilities is the principal mission of the Dept. This annual report gives an overview of its activities; policies, planning and training of the staff; the operations and services; and the operation of the Fisheries Development Board. A budget for the year is also included.  
AP FI PR SC

**New Brunswick. Liquor Licensing Board : Annual report 1988-89**

Fredericton : The Board, 1989. 12, 13 p. : ill. *Bilingual.* CSI 46125.001.  
MICROLOG 90-00295 1 fiche

This annual report lists expenditures and revenue, applications heard by the Board, special licenses and permits issued, the results of formal hearings, and liquor licenses issued.  
AP CO PR ST

**New Brunswick. Office of the Ombudsman : Annual report 1988**

Fredericton : The Office, 1989. 57, 30 p. : ill. *Bilingual.* CSI 46132.001.  
MICROLOG 90-00288 2 fiche

Includes 1988 highlights; recommendations; information on the Right to Information Act;

adoption information; the Official Languages Act; the Legislative Assembly's standing Committee on the Ombudsman; and the Third Canadian Ombudsman Staff Workshop. It provides statistics, summaries of complaints received, and a budgetary review.  
AP JU PA PR ST

**New Brunswick. Office of the Superintendent of Insurance : Annual report 1989**

Fredericton : The Office, 1989. 47 p. *Bilingual.* CSI 46133.001.  
MICROLOG 90-00302 1 fiche

This annual report provides information on new companies, companies who have ceased, mergers and amalgamations, insurance company deposits, and insurers and officers. It includes assessments of the Insurance Branch, the Public Utilities Board, and reviews aircraft insurance, accident and sickness insurance, automobile insurance, boiler and machinery insurance, and includes an abstract of life insurance returns.  
AP CO PR ST

**New Brunswick. Office of the Supervisor of Political Financing : Annual report 1987-88**

Fredericton : The Office, 1990. 28 p. *Bilingual.* CSI 46134.001.  
MICROLOG 90-07063 1 fiche

The Supervisor of Political Financing administers the Political Process Financing Act and monitors compliance with its provisions. These provisions limit political contributions and the amount which may be spent to contest elections, provide for an allowance to be paid to parties from the public treasury, reimburse candidates for a portion of election expenses, and require disclosure of sources of funds by parties, district associations and candidates. This annual report includes schedules of election spending, contributions, payments, and previously held funds.  
AP CO PA PR

**New Brunswick. Premier's Council on the Status of Disabled Persons : Annual report 1988-89**

Fredericton : The Council, 1989. 23, 24 p. : ill. *Bilingual.* CSI 46144.001. ISSN 0825-8201  
MICROLOG 90-02267 1 fiche

This annual report reviews Council activities for 1988-89. It summarizes official Council meetings, and provides examples of meetings attended, and examples of involvement with other groups. It also lists major projects anticipated for 1989-90, and includes an auditor's report.  
AP PR SA

**New Brunswick. Public Service Labour Relations Board : Annual report 1988**

Fredericton : The Board, 1989. 38 p. *Bilingual.* CSI 46135.001. ISSN 0701-5062 ISBN 1-55048-127-4  
MICROLOG 90-02143 1 fiche

This annual report presents proceedings under the Act within the jurisdiction of the Board, and proceedings under the Act within the jurisdiction of the Chairman. It also includes judicial proceedings.  
AP LA PR

**New Brunswick. Solicitor General. Correctional Services Division. Young Offender Services : Annual report 1988-89**

Fredericton : The Services, 1989. 102 p. : ill. CSI 45126.003.  
MICROLOG 90-03178 2 fiche

This document presents a description of services: pre-court services, pre-dispositional

services, and post-dispositional services. It also provides information on community based correctional programs, custody services, and young offenders change in status, 1987-88.  
AP JU PR ST

**New Brunswick. Workers' Compensation Board : Annual report 1989**

Fredericton : The Board, 1990. 41, 41 p. : ill. *Bilingual.* CSI 46138.001.  
MICROLOG 90-05740 1 fiche

This report deals with the following subjects: historical summary of benefits, publications, Appeals Board, Benefits Services Dept., Claims Dept., Medical Dept., Review Dept., Vocational Rehabilitation Dept., and the Workers' Rehabilitation Centre as well as administrative departments. Financial statements and statistical data are included.  
AP LA PR ST

**New Brunswick Black Bear Project, 1989-90 : progress report, year 1**

compiled by Kevin Craig. Fredericton : Dept. of Natural Resources and Energy, Fish and Wildlife Branch, 1990. 72 p. : ill., maps. *Bibliogr. French ed. (Nouveau-Brunswick projet...)* : 90-07224/1. CSI 46172.001.  
MICROLOG 90-06905 1 fiche

After several years of high black bear harvests and increasing numbers of hunters purchasing bear licences, concern was expressed that bear populations may be being over-exploited in some areas of N.B. In the spring of 1989, a 2-year project to address N.B.'s black bear management concerns was proposed to develop a strategic plan for black bear population management; to obtain data on hunter effort and distribution through a survey of resident and non-resident hunters and outfitters; to analyze harvest, hunter effort, and biological data to assess bear population status and provide data for incorporation into strategic planning, and to provide data on black bear reproductive biology for incorporation into population models used in strategic planning. Data is collected through field and lab studies of harvested female black bears. This report covers the first year of the project.  
AP CU PR ST

**New Brunswick credit unions : Annual report 1988**

Fredericton : Dept. of Justice, 1989. 22, 22 p. : ill. *Bilingual (Caisses populaires du...)* CSI 46117.001.  
MICROLOG 90-00718 1 fiche

This annual report provides statements of the financial position of the credit unions.  
AP CO PA PR

**New Brunswick Crown Lands and Forests Act : the first five years**

New Brunswick. Dept. of Natural Resources and Energy. Fredericton : The Dept., 1989. ii, 38, ii, 42 p. *Bilingual (La Loi sur les terres.)*  
MICROLOG 90-04105 1 fiche

In 1980 the Legislative Assembly passed an Act, to come into effect in March 1982, as a framework for a new management system for Crown lands. The new Act required the licensee to plan for the total management of all resources in the licensed area on both a 5-year and 25-year time horizon and made the licensee responsible for implementing these plans. This report outlines the background and evolution of the 1982 change in New Brunswick's forest policy; the performance of licensees in the first 5 years; an assessment of how the policy was implemented and operated in the first 5 years; and what the lessons are for the future of Crown forest management in New Brunswick.  
AP FO PR PW SC



**New Brunswick economic and labour market outlook, 1989-90 to 1992-93**

by M. Van Huystee. Ottawa : Employment and Immigration Canada, New Brunswick Region, Economic Services, 1990. iii, 46, iv, 46 p. *Bilingual (Aperçu de l'économie...)*. CSI 22138.224. MICROLOG 90-03593 2 fiche

The Outlook is an environmental assessment, examining past, present, and future economic developments both at home and abroad and the potential implications they may have on New Brunswick's economy and labour market. In particular, each major industrial category in the province is analyzed to determine its likely economic and employment outlook. AP CA CO ST

**The New Brunswick economy : a report to the Legislative Assembly, 1990**

Fredericton : Dept. of Finance, New Brunswick Statistics Agency, 1990. 81 p. *French ed. (L'Economie au Nouveau-Brunswick...)* : 90-03591/2. CSI 46111.002. ISSN 0548-4073. MICROLOG 90-03592 1 fiche

This document provides a 1989 review and a 1990 outlook for the international economy, the Canadian economy, and the New Brunswick economy. It also supplies an industrial review for agriculture, fishing, forestry, manufacturing, mining, construction, and service industries. AP CO PR ST

**New Brunswick heart health survey report**

by B.C. Balam. Fredericton : Dept. of Health and Community Services ; Ottawa : Health and Welfare Canada, 1989. iii, 80 p. Bibliogr. *French ed. (Rapport de l'étude sur la santé...)* : 90-03196/1. MICROLOG 90-03195 1 fiche

Reports on a study which determined the prevalence and distribution patterns of cardiovascular disease risk factors, including high blood pressure, abnormal levels of blood lipids, smoking and co-morbid conditions such as obesity. The survey also addressed knowledge and awareness of factors that lead to cardiovascular disease risk. AP BS HE PR SC

**New Brunswick Housing Corporation : Annual report 1988-89**

Fredericton : The Corporation, 1989. 41 p. *Bilingual* CSI 46104.001. ISSN 0550-4767. ISBN 1-55048-117-7. MICROLOG 90-01304 1 fiche

The basic mandate of the Corporation is to ensure adequate and affordable housing to meet the economic and social needs of New Brunswick residents. The annual report reviews administration of social housing programs (including loans under the Basic Shelter, Rural and Native Housing Programs, the Rent Supplement Program and the Non-Profit Housing Program for which statistical data are included in this report) and residential construction. Also includes statistical data on approved rehabilitation loans by county and financial statements. AP PL PR SA ST

**New Brunswick Liquor Corporation : Annual report 1988-89**

Fredericton : The Corporation, 1989. 14, 14 p. : ill. *Bilingual* CSI 46109.001. MICROLOG 90-00289 1 fiche

Presents 10 year sales trends, a liquor corporation location map, net sales by location, gross income from the sale of liquor, the distribution of gross income from the sale of liquor, the contribution to total gross profit, and comparative per capita consumption statistics.

It includes a financial report. AP CO PR

**New Brunswick Liquor Corporation : Annual report 1989-90**

Fredericton : The Corporation, 1990. 16, 16 p. : ill, maps. *Bilingual*. CSI 46109.001. ISSN 0704-2574. MICROLOG 90-07071 1 fiche

This annual report covers activities and results for the year for each division including stores, properties, products, human resources and labour relations, information and technical services, and finance. Next, it presents data on 10 year sales trends; net sales by location; statistics on sales and consumption; comparative per capita consumption statistics, a balance sheet; an income statement; notes to financial statements; and schedules of gross income from sale of liquor, cost of sales, other income, and operating expenses. AP CO PR

**New Brunswick Milk Marketing Board : Annual report 1989**

Fredericton : The Board, 1989. 8, 8 p. : ill. *Bilingual*. CSI 46145.001. MICROLOG 90-02602 1 fiche

Annual report of the Board, giving a brief description of its objectives and activities during the year. The year's activities in milk production and supply management, quotas, milk quality, and the promotion of milk and dairy products are also described. A financial statement is included. AG AP CO PR SC

**New Brunswick motor vehicle traffic accident statistics, 1988**

Fredericton : Dept. of Transportation, 1989. 31 p. *Bilingual (Statistiques des accidents...)*. CSI 45117.004. MICROLOG 90-03286 1 fiche

Annual data summary of motor vehicle traffic accidents, including percentage of licensed drivers, number of victims, drivers involved in accidents and fatal accidents, number of accidents, number of drivers, number of vehicles, number of victims, passengers injured, pedestrian related accidents, suspensions and violations. Most categories are modified by age, sex, and type or other factors. Data is for 1988, with some 10-year comparisons. AP PR SC ST TR

**New Brunswick oil shale : technological characterization and Petrosix pilot plant retorting tests**

by F.F. Filho, D. Vasconcelos and R.E.M. Novicki. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. iv, 160 p. (Open file report ; 89-45). ISSN 0712-4562. MICROLOG 90-00978 2 fiche

Principal results obtained for the technological characterization and pilot plant retorting tests made on 2 samples of New Brunswick Albert Formation oil shale. The tests were performed to make a preliminary appraisal of the applicability of the PETROSIX process to handle representative quantities of the Albert Mines zone and dolomite marlstone zone shales. AP EN PR PS SC

**New Brunswick Police Commission : Annual report 1988-89**

Fredericton : The Commission, 1989. 6, 6 p. *Bilingual*. CSI 46110.001. ISBN 1-55048-104-5. MICROLOG 90-00528 1 fiche

The role of the Commission is to investigate and conduct hearings into citizens' complaints alleging misconduct on the part of police officers. This annual report reviews the activities of the Commission focusing on citizens' complaints, hearings, crime prevention, and

audit and inspection services. AP JU PR

**New Brunswick Research and Productivity Council : Annual report 1988-89**

Fredericton : The Council, 1989. 28, 28 p. : ill. *Bilingual*. CSI 46143.001. MICROLOG 90-02604 1 fiche

Annual report of the Council, briefly describing its services in chemical and biotechnical, electronics, engineering materials and engineering, food, fisheries and aquaculture, industry, information, materials and fuel technology, and process chemistry. Highlights of the year are given, followed by more detailed information on the activities of each department. A financial statement is included. AP CO PR PS SC

**New Brunswick river ice manual**

New Brunswick. Subcommittee on River Ice. Ottawa : Environment Canada, Inland Waters Directorate ; Fredericton : Dept. of the Environment, 1989. ii, 18, ii, 18 p. : ill. Bibliogr. (NHR) contribution ; no. 88005 ch.4) *Bilingual (Guide des glaces...)*. ISSN 0838-1992. MICROLOG 90-05384 1 fiche

Review of current knowledge of river ice problems, including a description of the various ice processes; a summary of climatic conditions and the ice regime in N.B.; a discussion of various ice monitoring techniques as well as the essential data to be collected through ground-based monitoring programs; a summary of predictive methods and quantitative applications; and methods of ice control. AP CA NR PR PS SC

**New Brunswick seed potato growers' certification list, 1989**

Alexander Perley, editor. Fredericton : Dept. of Agriculture, Plant Industry Branch, 1989. xii, 36 p. *French ed. (Liste des producteurs de pomme...)* : 90-01160/1. ISSN 0707-1574. MICROLOG 90-01154 1 fiche

Listing by variety of seed potato growers, including address, certification number, and acreage for each. An overview of the certification program is given, as well as a directory of growers. AG AP PR SC

**New Brunswick subsurface drainage project : a study of water quality effects of intensive agricultural production**

by H.J. O'Neill...et al. Moncton, N.B. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Quality Branch, 1990. viii, 70 p. : ill. MICROLOG 90-06947 1 fiche

The principal environmental impacts associated with agriculture are elevated levels of nutrients in surface waters draining agricultural fields and chemical contamination due to pesticide usage. Concern for surface water quality led to conducting toxic chemical surveys centering on regional in-use agricultural pesticides, particularly residues in subsurface drainage systems. The study investigated the fate of in-use pesticides on tile drained potato fields where drainage flow, precipitation amounts and application rates of pesticides were known, while a point source was provided for sample collection. This report presents the results of the study, conducted at 5 sites. The methodology is also included. AG AP CA EV SC

**New Brunswick's natural resources : 150 years of stewardship**

Fredericton : Dept. of Natural Resources and Energy, 1988. iii, 194 p. : ill. Bibliogr.



*Bilingual (Les Ressources naturelles...).*  
MICROLOG 90-02201 3 fiche

This document reviews the history and administration of the Dept. from pre 1838 to 1987. The document divides into different parts of the Dept.'s life: gestation and birth, pre 1838; childhood, 1837-1867; adolescence, 1868-1901; maturity in times of crisis, 1902-1945; and maturity in the electric age, 1946-1987. A glossary is included.  
AP NR PR SC

#### **New Careers Corporation (Sask.) : Annual report 1988-89**

Regina : The Corporation, 1989. 15 p. : ill.  
CSI 72207.001.  
MICROLOG 90-03488 1 fiche

This annual report describes the people of new careers, and the Corporation's projects. It contains a financial report.  
LA MS PR

#### **A New co-operatives act : discussion paper**

Fredericton : Dept. of Justice, Justice Services Division, Co-operatives Branch, 1990. iii, 56, iv, 56 p. *Bilingual (La Nouvelle loi...).*  
MICROLOG 90-06084 2 fiche

This discussion draft has been prepared by the Co-operatives Branch of the Department of Justice to enable interested parties to identify their concerns about the current legislation and to seek an agreed consensus on legislative direction for the co-operative movement. The pages that follow outline the main issues that seem to require that they be addressed in legislation.  
AP CO JU PR

#### **New dimensions : report paper of the AMO conditional grants review**

Toronto : Association of Municipalities of Ontario, 1990. ii, 206 p. : ill. Bibliogr. (AMO report : report series 1990 : 90-3)  
MICROLOG 90-06413 3 fiche (Available on fiche only)

The Association has undertaken this study to review all of the conditional grant programs of the Government of Ontario and assess whether these programs are applicable to current and future circumstances. The study reviewed all provincial conditional grants for their adequacy in meeting municipal needs and their structure and administration; developed a consistent and comprehensive policy on provincial-municipal financial arrangements; analyzed the relationship of the unconditional grants program to the conditional grants programs and assessed the effect of each funding mechanism on municipal decision-making; and promoted a transfer payment system more responsive to today's environment.  
MU ON PA PR

#### **A New free-living nematode connected with Arctic sea ice**

by A.V. Tchesunov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 8 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5354) *Originally published in Russian, by the Academy of Sciences of the U.S.S.R., at Moscow, U.S.S.R. ISSN 0704-3716*  
MICROLOG 90-01486 1 fiche

Some publications on the biology of the Arctic sea ice mention nematodes among the animals inhabiting the inner spaces and the lower surfaces of ice floes. Until recently, however, very little information was available on the taxonomic composition of these nematode populations, nor was it clear whether they lived in this highly unusual biotope as permanent, specific or casual inhabitants. This paper describes one species of nematode collected at the drifting station North Pole-22 in 1980-81 in

the central Arctic Basin.  
● CA CF FI LS NO SC

#### **New information technologies : innovation and diffusion**

by L. Deschênes. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1989. 30 p. Bibliogr. *Prepared for the conference on Information Technology : globalization, diffusion, innovation and retraining. French ed. (Les Nouvelles technologies...)* : 90-02333/1. ISBN 0-662-17268-X  
MICROLOG 90-03232 1 fiche

Brief overview of the innovations in information diffusion, the resultant developments within organizations and factors influencing the degree of computerization.  
● CA PS SC TE

#### **New information technologies impact on employment and work : thematic and selective bibliography**

by R. Poirier and S. Cournoyer. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1989. 192 p. *Bilingual (L'Impact des nouvelles...)*. ISBN 0-662-57057-X  
MICROLOG 90-04414 3 fiche

Reference bibliography on the impact of computerization on employment patterns and work practices. The bibliography contains approximately 1,300 references dealing with the impacts of new technologies on employment and work. The documents chosen are periodical articles, monographs and monograph chapters from 1981 to spring 1987. References are divided into the categories of selective bibliographies; general issues concerning the impacts of new technologies on employment and work; employment impacts of new technologies; work impacts of the new technologies; and economic sector studies. An author index is included by thematic categories.  
● CA LA PS SC

#### **New information technologies, employment and work : the case of secretaries**

by L. Deschênes. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1988. 22, 22 p. Bibliogr. *Bilingual (Nouvelles technologies de l'information...)*. Paper presented at the conference on Technology and the Bilingual Office. ISBN 0-662-16173-4  
MICROLOG 90-02332 1 fiche

Examines pessimistic and optimistic attitudes toward new information technologies and the net effect the information technologies have on employment. It also analyzes the impact they have on work, specifically, the deskilling of jobs, increasing job enhancement, and qualifications.  
CA LA SC TE

#### **New myths about child sexual abuse : an address**

by D. Finkelhor. Ottawa : Health and Welfare Canada, Family Violence Prevention Division, National Clearinghouse on Family Violence, 1989. 14 p. *French ed. (Les Nouveaux mythes dans...)* on the same fiche. Presented at the Symposium on Child Sexual Abuse.  
ISBN 0-662-16666-3  
MICROLOG 90-03786 1 fiche

Contains a paper by David Finkelhor presented at the Symposium on Child Sexual Abuse sponsored by RIFAS in Ottawa, May 24 and 25, 1987. The author discusses 5 myths and then views the problem of child sexual abuse in terms of male socialization.  
BS CA CI SA

#### **New parliamentary T.V. channel**

by A.G. Jackson. Ottawa : Library of Parliament, Research Branch, 1988. 11 p. (Backgrounder : BP-183E) *French ed. (Une Nouvelle chaîne...)* on the same fiche. ISBN 0-660-13288-5  
MICROLOG 90-01907 1 fiche

Discusses the present service, background information on live coverage of the Commons proceedings, and the proposal of the CBC and the Canadian cable industry. It includes sample schedules of the House in session.  
CA CI PA SC TE

#### **New Pasture and Grazing Technologies Project : project summary**

New Pasture and Grazing Technologies Project (Sask.). Regina : Saskatchewan Rural Development, 1989. 50 p. : ill.  
MICROLOG 90-04314 1 fiche

The Project carried out educational and demonstration projects on managing range and pastureland in the province over 3 years to raise public awareness about native grass and grass management. This was done through range management extension services, producer demonstrations of new range management ideas, and field research. This report describes the demonstrations in the southwest, southeast and northeast regions, and the research projects conducted.  
AG MS PR SC

#### **New reproductive technologies**

by P. Begin. Ottawa : Library of Parliament, Research Branch, 1989. 55 p. Bibliogr. (Backgrounder : BP-204E) *French ed. (Les Nouvelles techniques...)* : 90-02612/1. ISBN 0-660-13309-1  
MICROLOG 90-01900 1 fiche

Describes the new reproductive technologies, and discusses recent recommendations concerning the regulation of reproductive technology. The paper also addresses some unexplored issues in the Warnock and Ontario reports.  
CA CI HE

#### **New reproductive technologies : a bibliography**

Manitoba Advisory Council on the Status of Women. Winnipeg : The Council, 1990. 26 p.  
MICROLOG 90-03435 1 fiche

Bibliography on new reproductive technologies with items listed alphabetically by author, covering the general area, health/medical, sociological/psychological, ethics, and legal. Five bibliographies from other concerned groups are also included with that of the Manitoba Advisory Council.  
HE MS PR SA SC

#### **New results of studies on coal structure by spectroscopic methods, I : absorption spectroscopy in the ultraviolet, visible, and infrared regions**

by H.H. Oelert and E.A. Hemmer. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 20 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5198) *Originally published in German. ISSN 0704-3716*  
MICROLOG 90-00058 1 fiche

After a brief review of earlier papers, the results obtained by work done from 1960-68 are discussed and some findings made for coal extracts and tars are reported. The paper deals with absorption spectroscopy in the visible, ultraviolet, and infrared ranges.  
● CA CF NR PS SC



**A New Securities Act for New Brunswick -- Draft.**

by R.W. Bird. Fredericton : Office of the Attorney General, Law Reform Branch, 1990. 148 p.

MICROLOG 90-06675 2 fiche

Contains the text of the Act by discussing administration, appeals, investigations, audits, stock exchanges and clearing agencies, registration, exemptions for registration requirements, trading in securities, distribution—generally, exemptions for prospectus requirements, proxy solicitation, takeover bid and issuer bids, enforcement, civil liability and general provisions.

AP JU PR

**New species of the genus *Peloscolex* (Oligochaeta, Tubificidae) from northern Lake Baikal and their relationship to the earlier known species *Peloscolex werestschagini***

by L.N. Snimshchikova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 20 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5151) Originally published in Russian, by Nauka at Novosibirsk, USSR. ISSN 0704-3716

MICROLOG 90-00092 1 fiche

Five species of peloscolecids were described in 1982, each of which had its own distinctive species characteristics, and at the same time shared a number of common features. The discovery of these species served as the basis for a more thorough study of the Lake Baikal peloscolecids. As a result of the further examination of material on N Baikal oligochaetes, a number of distinctive forms were discovered which are morphologically similar to those already described in the literature. This paper describes the characteristics of 3 new species of peloscolecids (*Peloscolex discolor* sp. n. 1, *Peloscolex bekmani* sp. n., and *Peloscolex paradoxus* sp. n.).

• CA CF FI LS SC

**New transonic test sections for the NAE 5ft x 5ft trisonic wind tunnel**

by L.H. Ohman...et al. Ottawa : National Aeronautical Establishment, 1990. viii, 58 p. : ill. Bibliogr. (Aeronautical note ; NAE-AN-62) MICROLOG 90-03923 1 fiche

Description of the NAE 5ftx5ft blowdown wind tunnel which has undergone a major upgrade of its transonic testing capabilities. The report describes the design, construction and delivery phases; commissioning and acceptance; interactions between NAE/NRC, SSC and Canadian industry; and calibrations of the 2D and 3D test sections. The two new test sections were calibrated with regard to pressure distributions, flow quality (turbulence and pressure fluctuations), side wall boundary layer characteristics (2D), flow angularity and wall interface characteristics. Results from these investigations are presented and compared with corresponding data obtained in the original test sections.

CA PS SC

**A New type of mineral classification equipment**

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1962. ii, 11 p. Bibliogr. (Report ; FMP 62/82-PREP) Prepared for the annual general meeting of the Engineering Institute of Canada. MICROLOG 90-04528 1 fiche

The Lavodune is a new process of mineral classification developed in France and adopted in a number of size or gravity separation plants in several countries. This process seems to have attractive possibilities for the

sorting of coal, ores, sands, and many mineral and chemical products. This paper summarizes a number of recent laboratory and industrial results of performances obtained in the classification of various materials and indicates some new developments based on the Lavodune principles, which are briefly analyzed.

• CA CM NR PS SC

**New Zealand telecommunications briefing paper**

Ottawa : Dept. of External Affairs and International Trade, 1989. 67 p. : ill. MICROLOG 90-05424 1 fiche

The document includes a selected market summary of the communications industry for 1988-89 and a report on the latest issues concerning the deregulation of the airwaves as of November 1989. While both papers are broadly concerned with the deregulation of the broadcasting and telecommunications market, the first approaches this from the point of view of Canada as a supplier of equipment in a growth market. This first paper covers the market, growth expectations, import growth trends, market share trends, and some details on the regulations for importing such equipment into the country. The second paper is concerned with the legal and regulatory aspects of radio spectrum management for both commercial and non-commercial broadcasters, including sample titles and licenses, current radio frequency usage and radio spectrum tendering.

CA SC TE

**New, made-to-convert housing**

Ottawa : Canada Mortgage and Housing Corporation, 1989. 33 p. : ill. French ed. (*Nouveaux logements convertibles*) on the same fiche. ISBN 0-662-15889-X

MICROLOG 90-01692 1 fiche

Changes in the housing market are calling for new types of housing, with one approach being that of single family housing deliberately designed to be able to accommodate an accessory apartment within it at some later date, and to be deconverted if desired. This report summarizes the key findings and illustrates some of the most attractive 'made-to-convert' designs from a previous study published in 1986. The report covers the reasons why such housing is needed, costs of conversions and the financial benefits, and gives 11 designs covering both urban and suburban houses.

CA PL SC

**Newfoundland. Dept. of Fisheries : Annual report 1985-86**

St. John's : The Dept., 1987. 48 p. : ill., maps. CSI 48107.001. MICROLOG 90-02578 1 fiche

This annual report reviews the fishing industry in the Newfoundland and Labrador 1985/86; government objectives 1985/86; Department initiatives; and the Department's various branches.

AP FI PR SC

**Newfoundland. Dept. of Fisheries : Annual report 1986-87**

St. John's : The Dept., 1988. 35 p. CSI 48107.001. MICROLOG 90-06062 1 fiche

Contains an overview of the 1986 Fishery, and reports from the Policy Planning Branch, the Facility Services Branch, and the Industry Support Services Branch.

AP FI PR SC

**Newfoundland. Dept. of Mines and Energy : Annual report 1983**

compiled by Rex Gibbons. St. John's : The Dept., 1984. 88 p. : ill., maps. Bibliogr. CSI 48112.001. MICROLOG 90-06543 1 fiche

Annual report of the Department, covering energy programs and energy policy, mineral rights, quarry materials, mineral policy and project analysis, mineral production, geology and geochemistry, and regional mapping in Newfoundland and Labrador. A review of mineral exploration, including expenditures, and mining operations for the year are also included, arranged by region. A list of publications and a personnel list is also given.

AP EN NR PR SC

**Newfoundland. Dept. of Mines and Energy : Annual report 1985-86**

St. John's : The Dept., 1986. 55 p. Bibliogr. CSI 48112.001. MICROLOG 90-04303 1 fiche

Annual report of the Department, reporting on the activities in energy programs and policy, mineral rights, quarry materials, engineering analysis, mineral policy and project analysis, mineral production, mineral deposits, Quaternary geology and geochemistry, and mapping in Newfoundland and Labrador. An organization chart is included.

AP EN NR PR SC

**Newfoundland. Dept. of the Environment : Annual report 1986-87**

St. John's : The Dept., 1987. v, 28 p. : ill. CSI 48105.001. MICROLOG 90-03351 1 fiche

The Department's mandate includes supervision, control and direction of all matters relating to the protection and enhancement of the natural environment, including water, air, and soil quality. This annual report reviews the activities of the Department's Divisions.

AP EV PR

**Newfoundland. Public Service Commission : Annual report 1985-86**

St. John's : The Commission, 1987. 22 p. : ill. CSI 49113.001. MICROLOG 90-00571 1 fiche

Contains highlights of the Commission's activities, and divisional reports. It includes statistics for the recruitment and selection division, the staff development and training division, and personnel services division.

AP LA PA PR PW ST

**Newfoundland. Public Service Commission : Annual report 1986-87**

St. John's : The Commission, 1987. 23 p. CSI 49113.001. MICROLOG 90-00915 1 fiche

This annual report highlights the Commission's activities for the year and includes divisional reports.

AP LA PA PR ST

**Newfoundland. Public Service Commission : Annual report 1987-88**

St. John's : The Commission, 1989. 29 p. : ill. CSI 49113.001. MICROLOG 90-05607 1 fiche

The Commission is responsible for two major personnel functions: recruitment and selection, and staff training and development. This annual report reviews the major activities and accomplishments of the Commission. It includes divisional reports and statistics.

AP PR PW ST

**Newfoundland. Public Service Commission : Annual report 1988-89**

St. John's : The Commission, 1990. 33 p. : ill. CSI 49113.001. MICROLOG 90-07213 1 fiche

The Commission is responsible for recruitment and selection, and staff training and development. This annual report highlights the major activities and accomplishments of the



Commission's various divisions. A statistical summary concludes the document.  
AP PA PR ST

### Newfoundland and Labrador Hydro : Annual report 1989

St. John's : Newfoundland and Labrador Hydro, 1990. 28 p. : ill. *CSI 49108.001*.  
MICROLOG 90-06072 1 fiche

Annual report of the Company, giving information on energy production and sales, construction activity, future prospects, environmental awareness, Churchill Falls operations, and financial statistics for the last 10 years. A financial statement is included.  
AP EN PR SC ST

### Newfoundland Liquor Licensing Board : Annual report 1988-89

St. John's : The Board, 1989. 14 p. *CSI 49105.001*.  
MICROLOG 90-06152 1 fiche

The Newfoundland Liquor Licensing Board continues to regulate and control the distribution of alcoholic beverages within the province. The Board is also responsible for the issuance, suspension and cancellation of all liquor licenses, the enforcement of the Liquor Control Act and Regulations, and all other matters relating to the control of alcoholic liquor products. This annual report includes an auditor's report, financial statements and general information concerning the administrative structure, fee structure, and the statistical review of Board activities.  
AP CO PA PR

### A Newton-SOR method for solving the spatial price equilibrium problem

by P. Marcotte, G. Marquis and L. Zubieta. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 25 p. (Publication ; no. 679)  
MICROLOG 90-02984 1 fiche

Paper proposing an efficient Newton-SOR algorithm for solving the separable spatial price equilibrium problem. The algorithms presented are aimed at solving the class of market equilibrium problems where supply, demand and transportation cost functions are nonlinear and separable. This approach consists in successive linearizations of the cost functions, each linearized subproblem being solved by a very fast block SOR (block Gauss-Seidel) scheme.  
PR PS QU SC TR

### Niagara District fisheries management plan, 1989-2000

Toronto : Ministry of Natural Resources, 1989. iv, 64 p.  
MICROLOG 90-00869 2 fiche

Outline of the long-term management direction (1989-2000) for both inland and Great Lakes fisheries within the Niagara District. An adjacent portion of Lake Erie within Simcoe District is also included in the Niagara plan. The plan provides guidance to local fisheries managers and indicates future management direction to the public by specifying objectives based on current resource information and listing strategies to achieve these objectives. The plan covers the sport fishery, the commercial food fish fishery and the commercial bait fishery, as well as rare and endangered species.  
FI ON PR SC

### Niagara Region Review Commission : report and recommendations

Niagara Region Review Commission. Niagara Falls, Ont. : The Commission, 1989. xxii, 296 p. : ill., maps. Bibliogr. *French ed. (Commission d'étude sur la...) on the same fiche*.  
MICROLOG 90-01355 7 fiche

Part I of this review addresses the size, structure and selection of regional council, including the system of directly-elected councillors and the relationship between membership on regional council and on area councils; selection of regional chairman; and the relationship of local boards and commissions to regional council. Part II includes an examination of the nature of services provided at the Regional level including an historical review and the regional role in the provision of shared services; an historical and comparative cost study of services provided by the region including an analysis of factors affecting costs over time and a comparison of costs with costs in other regions and non-regional city settings; and an analysis of funding arrangements for services provided by the region including a comparison to that of other regions and to area municipalities providing the same type of services. The report was compiled from written and oral submissions, 9 public meetings, meetings with citizens and organizations, and the collection of additional information.  
ON PA PR

### Nicol Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 120 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 504)  
MICROLOG 90-05985 2 fiche

Geological data inventory for Nicol Township, including a checklist of data sources, references to metals and minerals, mineral occurrences by geographic areas, type of exploration work by company and individuals, drillhole summary by company, geochemical survey data, newspaper clippings, results of an ODM general index search, and selected references.  
NR ON PR PS SC

### NMR spectroscopic group analysis, using bituminous coals as example

by H.H. Oelert. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 28 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5199) *Originally published in German*. ISSN 0704-3716  
MICROLOG 90-02710 1 fiche

Paper discussing the problems of high-resolution NMR spectroscopy in the field of multi-component analysis. A table of signal positions for protons in hydrocarbons is given and the possibility of quantitative work is pointed out. A method for the estimation of carbon distribution in various structural groups is worked out, combining IR and NMR spectroscopy. The results of some extracts of bituminous coals are presented.  
● CA CF NR PS SC

### NOGAP B.6, vol. 6 : physical data collected in the Beaufort Sea, summer, 1987

by E. Carmack...et al. Sidney, B.C. : Dept. of Fisheries and Oceans, Institute of Ocean Sciences, 1989. 219 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 60) ISSN 0711-6721  
MICROLOG 90-01271 3 fiche

As part of a program to determine hydrocarbon pathways and primary productivity of the waters overlying the Beaufort Shelf, biological, chemical and physical water properties were measured. Reported here are supporting physical oceanographic data, including temperature, salinity, light transmission and attenuation, density, departure from freezing point, and dynamic height.  
● CA CF NO NR PS SC

### NOGAP B.6, vol. 7 : hydrocarbon determinations, Mackenzie River and Beaufort Sea shoreline peat samples

by M.B. Yunker...et al. Sidney, B.C. : Dept. of Fisheries and Oceans, Institute of Ocean Sciences, 1990. vi, 81 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 60) ISSN 0711-6721  
MICROLOG 90-06186 1 fiche

As part of the NOGAP B.6 program to determine hydrocarbon pathways and primary productivity of the waters overlying the Mackenzie Shelf, hydrocarbon samples were collected in the Mackenzie Delta, from the Beaufort Sea coast and from repeat sampling of several transects extending from inshore waters to the shelf break. This report describes in detail the methods used for the collection and analysis of the samples from the water, shoreline, sediment and atmosphere and provides complete results for the analysis of samples from the Mackenzie River Delta and the Beaufort Sea shoreline.  
● CA CF EV NO SC

### Nomenclature des navires, 1990

Ottawa : Ministère des transports, 1990. 2 v. *Bilingue (List of ships, 1990). Contient: Vol. 1 : Navires immatriculés au Canada ; l'exclusion des navires de pêche -- vol. 2 : Navires de pêche immatriculés au Canada*. *CSI 21123.010*. ISBN 0-660-55776-2  
MICROLOG 90-06606 7 fiche

Ce document présente des données sur l'automatisation des dossiers de l'immatriculation des navires à Ottawa. De plus, il fournit des renseignements et des statistiques sur les navires immatriculés, et des statistiques sur la taille, l'âge, le genre de construction et le type de matériel, le genre d'appareil de propulsion, etc., les navires de pêche, de commerce et de plaisance, ainsi que des navires du gouvernement et des sociétés de la Couronne.  
CA SC TR

### Non-proliferation treaty (NPT)

Ottawa : Canadian Institute for International Peace and Security, 1989. 2 p. Bibliogr. (Factsheet ; 10) *French ed. (Le Traité sur la non-prolifération...) on the same fiche*. ISBN 0-662-17310-4  
MICROLOG 90-01582 1 fiche

This factsheet provides an introduction to the need for such a treaty, an explanation of the main terms, and the Canadian relationship to it.  
● CA CI EX

### Non-resident ownership report, 1989

New Brunswick. Geographic Information Corporation. Assessment Branch. Fredericton : The Branch, 1989. 6 p. *CSI 45112.003*.  
MICROLOG 90-03343 1 fiche

Annually in conjunction with the Assessment Roll, the Assessment Branch compiles statistics on non-residents of New Brunswick. The figures included in this report are extracted from the Assessment Roll as of January 1, 1989.  
AP CO PR SA ST

### Non-stoichiometric tantalum magnetites

by N.F.H. Bright and A.C. Turnock. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 6 p. (Report ; MS 65-99)  
MICROLOG 90-04687 1 fiche

Density measurements were made on two pairs of samples of tantalum magnetites having differing Fe-Ta atomic ratios, one member of each pair being stoichiometric in cation:anion ratio and the other being non-stoichiometric. The measurements were made using a two-millilitre pycnometer with pure toluene as the immersion liquid. Owing to the smallness of the available samples, only one determination



on each material could be made. The non-stoichiometry was achieved by exposure of the stoichiometric spinels to an atmosphere sufficiently reducing that oxygen was lost from the sample. The extent of the loss was determined from the weight of the sample. From the oxygen content and the known starting Fe:Ta ratios, the at.% compositions were computed

• CA CM NR PS SC

### Non-wage provisions in Saskatchewan collective agreements, 1989

Regina : Saskatchewan Human Resources, Labour and Employment, 1989. 96 p. Bibliogr. CSI 71122.005. ISSN 0830-0763  
MICROLOG 90-03589 2 fiche

Provides current information on selected non-wage provisions in collective agreements which fall under provincial jurisdiction. The study is based on agreements filed between September 1988 and September 1989.  
LA MS PR ST

### Nondestructive and Fracture Evaluation Section : 1989 review and 1990 work program

by B. Mukherjee. Toronto : Ontario Hydro, Research Division, 1990. vi, 26 p. (Report ; no. 90-70-K) CSI 56125.013.  
MICROLOG 90-06103 1 fiche

Review of the section's projects and achievements for 1989, along with a description of the proposed projects and objectives for 1990. The review is divided into work done in nondestructive evaluation, including inspection systems development and work on pressure tubes; and fracture mechanics research and application, including the Darlington leak-before-break program, pressure tubes, plant materials, and flaw assessment. An index by client or interest group is also included.  
EN ON PR PS SC

### Le NORAD : Commandement de la défense aérospatiale du continent nord-américain

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1988. 2 p. (Fiche d'information ; 1) L'éd. anglaise (NORAD : North American...) sur la même fiche. ISBN 0-662-94839-4  
MICROLOG 90-01980 1 fiche

Le sigle NORAD désigne le Commandement de la défense aérospatiale (à l'origine, on disait "aérienne") du continent nord-américain, que les États-Unis et le Canada ont créé en 1958 pour protéger l'Amérique du Nord contre les attaques aériennes. Cette fiche d'information se penche sur la question en fournissant quantité de renseignements sur le sujet.  
• CA EX

### NORAD : North American Aerospace Defence Command

Ottawa : Canadian Institute for International Peace and Security, 1988. 2 p. (Factsheet ; 1) French ed. (Le NORAD : Commandement...). ISBN 0-662-16106-8  
MICROLOG 90-01980 1 fiche

NORAD is the North American Aerospace (originally 'Air') Defence Command which was established by the US and Canada in 1958 to defend North America from attack. This synopsis is on the establishment of NORAD and the reasons for it, its evolution, the technology involved, and its mission today.  
• CA CI EX

### Le Nord canadien et ses référents conceptuels

par L.-E. Hamelin. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 46, 46 p. : ill. Bibliogr. (Réalités canadiennes) Bilingue (The Canadian

north.). ISBN 0-662-56120-1  
MICROLOG 90-00247 2 fiche

Afin d'identifier les concepts fondamentaux que la population non autochtone entretient à l'endroit du Nord canadien, ce document porte sur quatre avenues: la terminologie, la perception, la dimension circumpolaire et l'habitabilité. De plus, on y établit certaines relations entre l'idée que l'on a du Nord et le développement économique en examinant la production artistique, la territorialité, les structures politiques, les grandes affaires et la défense. Finalement, à la lumière d'éléments de nordicité normative, on y rappelle les cinq principales perceptions développementales.  
CA NO NP

### Normes canadiennes d'hygiène au travail : une analyse

par R. Sentes. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. i, 24 p. Bibliogr. ISBN 0-660-92190-1  
MICROLOG 90-01940 1 fiche

Au Canada, l'intérêt de plus en plus grand du public pour les questions de santé au travail s'est traduit par la mise sur pied de plusieurs commissions et études importantes. Ce document aborde les points suivants: l'historique de l'établissement des normes au Canada; le mandat du centre dans l'établissement des normes; les définitions des normes; les conséquences possibles de l'établissement des normes pour le centre et ses partenaires; et, l'examen du processus d'établissement des normes à l'échelle internationale.  
• CA HE LA

### A North American free trade agreement : the strategic implications for Canada

by M. Hart. Halifax : Institute for Research on Public Policy ; Ottawa : Centre for Trade Policy and Law, 1990. xiv, 142 p. : ill. Bibliogr. ISBN 0-88645-114-0  
MICROLOG 90-06874 2 fiche

This document discusses the challenge from Mexico, the North American trade regime, North American trade and investment patterns, and issues and options for the future. It also examines what is involved in a tripartite agreement.  
• CA CI CO EX

### The North American sugar maple decline project

by D.F. O'Brien. Fredericton : Forest Extension Service, 1989. 5 p. : map.  
MICROLOG 90-01716 1 fiche

In the fall/winter of 1987 a project was begun to determine if the measured rate of change in sugar maple tree conditions is related to various levels of pollution, managed sugarbush vs. undisturbed stands, or various levels of initial stand decline conditions; the possible causes of sugar maple decline; and the geographical relationships between causes and the extents of decline. This report summarizes the results of the 1988 field season.  
AG AP PR SC

### North Bay District fisheries management plan, 1987-2000

Toronto : Ministry of Natural Resources, 1989. vi, 65 p. : maps. Fold. maps not filmed. ISBN 0-7729-5394-5  
MICROLOG 90-02842 1 fiche

This plan provides specific information about how the fisheries resource is to be managed, including proposed long-term management strategies from the present to 2000 and short-term actions for the first 5 years. The document covers the resource base, current and projected resource use, problems and issues, habitat degradation, shortage of walleye and trout, over-fishing, lack of public

awareness, insufficient scientific knowledge, and access for sport, bait, and commercial fishing.  
FI ON PR SC

### The North Central Kings area community profile

Prince Edward Island. Research, Evaluation and Technical Services. Charlottetown : The Services, 1989. 51 p. : ill.  
MICROLOG 90-03868 1 fiche

Examines the social and economic characteristics of the area. It also makes comparisons with the province where possible. The following subject areas are discussed: population; age distribution; marital status; home language, mother tongue, and official language; ethnic origin; place of birth; mobility status; highest level of education; dwelling characteristics; labour force activity; occupation; industry; class of worker; and 1985 income.  
AP MU SA

### North Pacific Driftnet Conference : proceedings, vol. 1

North Pacific Driftnet Conference (1989 : Victoria, B.C.). Victoria : Ministry of Agriculture and Fisheries, 1989. 147 p. : ill., maps.  
MICROLOG 90-00363 2 fiche

Background information and proceedings of the conference, which brought together the governments of concerned jurisdictions to assemble factual information on the nature and impact of the North Pacific driftnet fisheries and to identify any lack of information and the means of generating required data; to identify technical, legal, administrative and political mechanisms available; and to develop federal/provincial/state and joint international approaches to the issues. This conference was the first of a proposed 3-phase program to develop international approaches to the problem. This document contains, in addition to background information on driftnet fishing for squid and marlin, Japanese squid fishery regulations and the summary of a meeting on the squid fishery with Japan, Canada, and the U.S. Papers from the conference itself include the U.S. federal and Canadian government positions; a preliminary summary of the impact of the squid driftnet fishery; a summary of progress in discussion with Japan, Korea, and Taiwan; and conference communiqués.  
• BC CA FI SC

### North Pacific/East Asia Project report

by C. Cushing. Toronto : Canadian Institute of Strategic Studies, 1989. 4 p. (Strategic datalink ; 16)  
MICROLOG 90-03508 1 fiche (Available on fiche only)

Review of the relationship developed between the Canadian Institute of Strategic Studies (CISS) in Toronto and the Beijing Institute for International Strategic Studies in Beijing, People's Republic of China. The review is based on previously-completed reports by the CISS staff and delegates involved in the institutes' multi-year strategic studies research project on the North Pacific/East Asia (NPEA) security zone. The study focused on the strategic interests of China, the evolving relationship between Chinese and Canadian strategies for the NPEA area, openings for Chinese and Canadian bilateral cooperation in the NPEA region, and opportunities for cooperation and joint or parallel action for diplomatic security or arms regulation. This report summarizes 3 exchanges and includes future plans.  
• CA EX

### North Vancouver (B.C.) : Financial statements 1989

North Vancouver, B.C. : The City, 1990. 73 p. CSI 89502.001.  
MICROLOG 90-07082 1 fiche



The statements contain balance sheets and statements of revenue and expenditure for the capital fund, revenue fund, water supply system, reserve funds, trust funds, and the sewer system.  
BC CO MU PA

# **Northeast International Committee on Energy : annual report**

Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 16 p. French ed. (*Comité international du nord-est...*) on the same fiche. Presented at the Conference of the New England Governors and the Eastern Canadian Premiers.  
MICROLOG 90-00524 1 fiche

Annual report of the Committee, established by the Conference of New England Governors and Eastern Canadian Premiers in 1978 to deal with common problems in energy. This report gives a summary of year's activities, including the International Roundtable on Energy Choices and the Environment, the preparation of a report on the variety of ongoing energy education programs in the states and provinces, the production of a compendium of biomass facilities, and the establishment of an energy emergency planning subcommittee. Proposals for the new year include both the continuation of the last year's work and a proposal for an international roundtable on energy, a review of recycling efforts in the region, and a review of regulatory procedures.  
AP CA EN EX QU SC

# **Northern Alberta Development Council : Annual report 1988-89**

Peace River, Alta. : The Council, 1989. 44 p. : ill. CSI 35180.001.  
MICROLOG 90-01642 1 fiche

The Council's primary role is to provide government with a northern point of view on a wide range of issues, supplementing and complementing the perspectives of northern Members of the Legislative Assembly. This annual report reviews the Council's activities.  
AL CO CU PR

# **Northern and Offshore Information Resources Seminar Series : summary of proceedings**

editors: Elizabeth Clarke and Ross Goodwin. Calgary, Alta. : Arctic Institute of North America ; Edmonton : Centre for Frontier Engineering Research, 1988. vi, 14 p.  
MICROLOG 90-04817 1 fiche

The purpose of the seminar series on Northern and Offshore Information Resources was to bring information professionals and end-users together to learn about available information resources on northern and offshore regions. Because of great demand, the initial seminar was repeated across the country. This summary of proceedings contains a single entry for each information provider that was described at any of the seminars. Each entry is a short description of the organization and of the services it provides.  
• CA NO SC TE

# **Northern Education Task Force : report to the Minister of Education**

Northern Education Task Force (Sask.). Regina : The Task Force, 1989. vii, 137 p. : ill. Bibliogr.  
MICROLOG 90-01701 2 fiche

This document identifies education concerns and issues in northern Saskatchewan through public consultation, and recommends ways to address these issues and concerns by proposing new initiatives and priorities. Specifically, it determines ways to assist northern schools, teachers, and parents to halt the flow of students leaving the school systems prematurely. It also addresses the issues of literacy, early childhood education, recreation,

counselling, employment-directed training, and community involvement in the school system.  
ED MS NO PR

# **Northern fisheries technology transfer**

Ottawa : Dept. of Fisheries and Oceans, 1989. ii, 49 p. Report of the Industry/Government Fisheries Technology Transfer Workshop. Bilingual (*Transfert technologique pour...*). ISSN 0835-7005 ISBN 0-662-1051-0  
MICROLOG 90-04884 1 fiche

Summary of a workshop focused specifically on commercial fisheries in the Baffin Island and Keewatin, Northern Quebec, and Northern Labrador regions. The workshop covered cost reduction/energy efficiency technology transfer training programs for the harvesting sector, and industrial development initiatives on underutilized species. Recommendations are given for cost reduction/energy efficiency, underutilized species development, constraints to Northern fisheries development, and specifically for the Dept. of Fisheries and Oceans.  
CA CF FI NO SC

# **Northern Infrastructure Seminar**

Northern Infrastructure Seminar (1988 : Slave Lake, Alta.). Peace River, Alta. : Northern Alberta Development Council, 1989. 38 p. : ill. MICROLOG 90-00136 1 fiche

Seminar reviewing current infrastructure development for economic and social development in northern Alberta. This document provides a summary of the presentations and workshop sessions on the resource and community sectors, community and on-farm water and sewage programs, telephones, REAs and gas co-ops, regional utility services, roads, the impact of regulatory reform on the transportation industry, and alternate forms of transportation.  
AL PL PR SC

# **Northern Ontario Heritage Fund Corporation : Annual report 1988-89**

Sault Ste. Marie, Ont. : The Corporation, 1989. 18, 18 p. Bilingual. CSI 55117.001.  
MICROLOG 90-04305 1 fiche

First annual report of the Corporation, established in 1988 to promote and stimulate economic development in Northern Ontario by providing financial assistance for single-industry communities experiencing economic disruption; development of new technology, especially in the resource sector; and for small businesses to begin, modernize or expand. The Fund is a 12-year, \$360 million provincial commitment in annual installments of \$30 million. This report describes the Fund and its programs and lists the approved projects by organization and type. A financial statement is included.  
CO ON PA PR

# **Northern transportation : construction projects, 1990-91**

see Provincial highways : construction projects, 1990-91

# **The Northumberland Strait Crossing Project : report**

Canada. Environmental Assessment Panel. Ottawa : The Panel, 1990. 46, 49 p. : ill. Bibliogr. (Federal environmental assessment review process : 34) Bilingual (*Projet de raccourcissement...*). MICROLOG 90-06661 2 fiche

This report conveys the findings of a federal Environmental Assessment Panel review of the Northumberland Strait Crossing project to construct a 13 km bridge over the Northumberland Strait extending from Cape Tormentine, N.B. to Borden, P.E.I. This report is the final stage of a public consultation process of about 1 year. The Panel examined the environmental and socio-economic effects of a bridge crossing. The report includes

conclusions and recommendations on the proposed bridge concept and also examines the rationale for the rejection of other fixed crossing alternatives.  
AP CA EV SC TR

# **Northwest Industrial Commission Inc. : economic development strategy : final report**

Econosult ; Lavalin. Fredericton : Dept. of Commerce and Technology ; Atlantic Canada Opportunities Agency, 1989. 146 p. Bibliogr. French ed. (*Commission Industrielle du Nord-Ouest...*) : 90-01710/2.  
MICROLOG 90-01711 2 fiche

As part of a review and evaluation of the development strategy of the Northwest Industrial Commission, this report assesses the current situation by means of a socio-economic profile. It also assesses the impact of the Free Trade Agreement, development opportunities, and includes an evaluation of the existing development strategy. It presents economic development theories, and an action plan.  
AP CO PR

# **Northwest Metro transportation study : needs analysis**

prepared by Metropolitan Toronto Planning Dept., Transportation Division ; assisted by McCormick Rankin ; in association with Tranplan Associates Limited. Toronto : Metropolitan Toronto Planning Dept. ; Metropolitan Roads and Traffic Dept. ; Toronto Transit Commission, 1988. xvi, 190 p. : ill., maps. Bibliogr.  
MICROLOG 90-05716 4 fiche

Report documenting the completion of the first phase of an intended 2-phase study of transportation deficiencies within northwest Metro Toronto. Phase I involved the identification of current and likely future deficiencies and in most cases identified potential solutions which need to be examined in more detail. The report gives an overview assessment of conditions for the study area on a sub-area and corridor basis; presents considerations of specific issues; and then synthesizes the overview and analysis of specific issues. Information was obtained from cordon count trends (auto, transit, truck); screenline and intersection volume/capacity data; auto and transit speed data; accident data; journey-to-work origin-destination data (1981 census); and synthesized modal split and origin-destination data from the Metropolitan travel demand model.  
MU ON SC TR

# **Northwest Territories. Advisory Council on the Status of Women : Annual report 1987-88**

Yellowknife : The Council, 1988. 6 p. CSI 75109.001.  
MICROLOG 90-02419 1 fiche

The Council offers advice on matters relating to the status of women referred to them and on issues they deem appropriate. This annual report lists the Advisory Council membership, and reviews the year's meetings and accomplishments. It also includes the Councils recommendations to the government.  
NO PR SA

# **Northwest Territories. Dept. of Education : Annual report 1988**

Yellowknife : The Dept., 1989. 32 p. : ill. CSI 74113.001. ISBN 0-7708-1020  
MICROLOG 90-02404 1 fiche

To have an average school attendance of over 85 percent for the N.W.T. is a tremendous leap from the average of less than 80 percent only a couple of years ago. This annual report contains information on the various school boards, and districts. It also reports



on advanced education, and the Arctic College.  
ED NO PR

**Northwest Territories. Equal Employment Directorate : Annual report 1985-86 : working together for our future**

Yellowknife : The Directorate, 1986. 43 p. : ill.  
CSI 75115.001.  
MICROLOG 90-02403 1 fiche

While a strong native leadership has ensured that native northerners' views are taken into account in policy development, they have not fully participated in the territorial public service. This report makes recommendations for achieving equal employment. It focuses on labour supply, education, and public service. It includes an historical perspective on affirmative action.

LA NO PR SA ST

**Northwest Territories. Superintendent of Insurance : Annual report 1987**

Yellowknife : Dept. of Justice, 1988. 25 p.  
CSI 75114.001.  
MICROLOG 90-02416 1 fiche

This annual report is arranged into 4 areas of information and statistics as follows: a register of insurers; annual return abstracts of licensed insurers; annual return abstracts of unlicensed insurers; and a register of agents, brokers, adjusters and salesmen.

CO NO PR

**Northwest Territories. Workers' Compensation Board : Annual report 1987**

Yellowknife : The Board, 1988. 31 p.  
CSI 75106.001.  
MICROLOG 90-00568 1 fiche

This annual report includes a five year financial history, five year historical data, financial statements, and data on accidents reported, accidents by region, benefits, 1987, and benefits 1988.

LA NO PR

**Northwest Territories. Workers' Compensation Board : Annual report 1988**

Yellowknife : The Board, 1989. 32 p. : ill.  
CSI 75106.001.  
MICROLOG 90-02424 1 fiche

The Board has exclusive jurisdiction in all matters affecting compensation for workers injured on the job. This annual report includes the report of the Board, a five year financial history, five year historical data, and financial statements. It also lists accidents reported, and accidents by region.

LA NO PA PR

**Northwest Territories : Annual report 1988-89**

Yellowknife : Dept. of Culture and Communications, 1990. 140 p. : ill.  
CSI 74101.001. ISSN 0384-2479  
MICROLOG 90-03361 2 fiche

This annual report reviews the operations of Executive Council, Departments, Regions, Boards and Agencies, the Courts, the Legislative Assembly, and the Office of the Commissioner.

NO PR ST

**Northwest Territories archaeology field work in 1988**

edited by Margaret Bertulli. Yellowknife Culture and Communications, 1989. 35. 42 p. : ill., maps. (Archaeology report ; no. 5) Bilingual (Archéologie dans les Territoires...). ISBN 0-7708-3854-5  
MICROLOG 90-02615 1 fiche

Summarizes the results of archaeological research undertaken by permit in the Western Subarctic, Keewatin, Hudson and Ungava Bays, the Western Arctic, the Central Arctic, the Eastern Arctic, and the High Arctic.  
CU NO NP PR

**Northwest Territories Liquor Commission : Annual report 1987-88**

Yellowknife : The Commission, 1988. 26 p. : ill.  
CSI 75118.001.  
MICROLOG 90-02418 1 fiche

This annual report contains sales highlights, volume sales in litres, and an auditor's report. It also includes a report of the operations of individual stores.

NO PA PR

**The Norwegian fillet industry : thoughts regarding the technology of the future**

by A. Haugslett. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. iii, 142 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5131) Originally published in Norwegian, by FiFi at Tromsø, Norway. ISSN 0704-3716  
MICROLOG 90-00133 2 fiche

In the latter part of the winter of 1980, the Norwegian fishing industry was in crisis due to a lack of raw material, new labour conditions extending the number of days notice needed before layoffs, and the lack of seasonal workers. This report evaluates new technology available to the industry in the transport system, the receiving of round fish and the provision of night-safes, during gutting, cleaning, sorting, washing and weighing; methods of determining catch volume; design of storage rooms; filleting lines and their use of raw material; production of fish pulp and animal feed; the maintenance of refrigerated conditions between the various production units; the freezing section, with cold storage; and expansion, including production-oriented and technical developments.

• CA CF FI SC

**Norwegian spring-spawning herring : a bio-economic analysis of future resource management**

by S. Kristmannson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 6 p. (Canadian translation of fisheries and aquatic sciences ; no. 5259) Originally published in Norwegian. ISSN 0704-3716  
MICROLOG 90-02730 1 fiche

At the end of the 1960s the stock of spring-spawning herring was almost fished out, causing a cessation of a number of important seasonal fisheries. A small part of this stock survived as whitebait and severe restrictions in the 1970s resulted in a resurgence of the stock, leading to demands for increased quotas. This paper calculates the total socio-economic results of the herring fishery by the use of a model. The model simulates the development of stock as a function of utilization where recruitment, growth and natural mortality are included as parameters. Yield of weight plus the balance of the stock are then converted into monetary units, with consideration being given to relevant market conditions. The expenditure side includes the community's costs incurred by catching, processing and marketing of herring and herring products. The model is built on information from the herring fishermen, involving biological, economic and fisheries-technical data. Only the table of contents and the introduction are reproduced.

• CA CF FI SC

**Nos deux langues officielles au fil des ans**

Ottawa : Commissariat aux langues officielles, 1990. xiii, 44, xiii, 40 p. Bilingue (Our two official...)  
MICROLOG 90-07166 2 fiche

La langue est beaucoup plus qu'un moyen de communication. Elle forme des communautés et façonne les liens entre celles-ci. A mesure qu'une société devient plus complexe, ses caractéristiques linguistiques se diversifient. Ce survol chronologique préparé par le Commissariat aux langues officielles n'a qu'un objectif: résumer les récents textes législatifs fédéraux et provinciaux intéressant le statut du français et de l'anglais au Canada. Ce document se penche sur cette question en fournissant de nombreux renseignements importants.

CA CU

**Not-so-fine tuning : Bank of Canada policy and inflation since 1986**

by W.B.P. Robson. Toronto : C.D. Howe Institute, 1990. 12 p. : ill. (Inflation monitor ; no. 5) ISSN 0824-801X ISBN 0-8806-263-X  
MICROLOG 90-06450 1 fiche

This paper argues that recent experience illustrates clearly the Bank's ability, through its control of the stock of money, to determine Canadian inflation. It also suggests that the Bank appears, during the 1986-88 period, to have put too much emphasis on 'fine-tuning' real economic activity through management of interest rates and the exchange rate, and too little emphasis on money growth. It concludes that if the Bank intends to keep Canada on a course for price stability, it must rededicate itself to the task of controlling money growth.

BC CO PR

**A Note of the seaward migration of pink salmon fry**

by T. Kobayashi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 14 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5136) Originally published in Japanese, in Japan. ISSN 0704-3716  
MICROLOG 90-00113 1 fiche

It is known that pink salmon fry hatched artificially start their seaward migration very quickly when they are released and their activity is quite different from that of salmon fry. However, there has been very little opportunity to investigate pink salmon fry hatched naturally. In order to obtain basic data for the reproduction of pink salmon, 50 mature females and 50 males were released in the upper stream (the Onsen River) of the Isaobetsu River in October 1965. The spawning mechanism and the development of fry from the spawning ground were observed. This paper reports the results of these observations.

• CA CF FI LS SC

**Notes explicatives sur l'avant-projet de modification de l'impôt sur le revenu**

Ottawa : Ministère des finances, 1990. x, 401 p. L'éd. anglaise (Explanatory notes...draft...) : 90-06871/5.  
MICROLOG 90-06870 5 fiche

L'avant-projet de loi qui est l'objet de ces notes renferme les propositions de modification à la Loi de l'impôt sur le revenu, aux Règles de 1971 concernant l'application de l'impôt sur le revenu, au Régime de pensions du Canada, à la loi sur l'exportation et l'importation de biens culturels, à la Loi sur l'interprétation des conventions en matière d'impôts sur le revenu, à la Loi sur l'assurance-chômage et à certaines lois connexes. Ces modifications ont pour objet de mettre en oeuvre les mesures



fiscales annoncées dans le budget du 20 février 1990, ainsi que d'autres propositions rendues publiques avant juillet 1990 dont la mise en oeuvre entraîne des modifications à la Loi de l'impôt sur le revenu. En outre, l'avant-projet contient un grand nombre de modifications de forme qui visent à préciser et, dans certains cas, à rectifier l'application de la Loi de l'impôt sur le revenu et de lois connexes. Ce document présente les notes visant à donner une explication détaillée de chacune des modifications proposées à l'intention des députés et sénateurs, des contribuables et de leurs conseillers professionnels.  
CA CO PA

**Notes for a presentation to the Special Committee to Study the Proposed Companion Resolution to the Meech Lake Accord**

by W.N. Fox-Decent. Winnipeg : Manitoba Task Force on the Meech Lake Accord, 1990. 20 p.  
MICROLOG 90-06527 1 fiche

This presentation is believed to accurately reflect the state of public opinion in Manitoba on the Meech Lake Accord. Some 300 submissions and 50 others in written form were looked at in the public meetings held by the Manitoba Task Force. The results are in this presentation as a further step forward in resolving the Meech Lake dilemma.  
MS PA PR

**Notes on the natural history of *Eudontomyzon danfordi* Regan**

by P.A. Chappuis. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 28 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5173) *Originally published in German, by Prof. Dr. August Thienemann. ISSN 0704-3716*  
MICROLOG 90-00080 1 fiche

In 1911, Regan described a new Cyclostome, which he named *Eudontomyzon danfordi*, from the Sebes, a tributary of the Mureş river in Transylvania. This paper gives a short description of the lamprey, its habitat, feeding habits, and development.  
• CA CF FI LS SC

**Notice from the Director General of Fisheries : change in regulations of February 27, 1981 for an interim damage and compensation program for Norwegian fishermen due to pollution from oil activities**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 7 p. (Canadian translation of fisheries and aquatic sciences ; no. 5127) *Originally published in Norwegian, at Bergen, Norway. ISSN 0704-3716*  
MICROLOG 90-00057 1 fiche

Text of changes in regulations of the fish/oil fund to compensate Norwegian fishermen for damage from pollution from oil activities.  
• CA CF EV FI JU SC

**The Notwithstanding clause : its history and future**

by J. Lawrence and P. Rosen. Ottawa : Library of Parliament, Research Branch, 1989. 16 p. Bibliogr. (Background ; BP-194E) *French ed. (La Clause dérogatoire...)* on the same fiche. ISBN 0-660-13299-0  
MICROLOG 90-01888 1 fiche

The constitutional notwithstanding clause set out in section 33 of the Canadian Charter of Rights and Freedoms has been controversial since its emergence from the November 1981 Federal-Provincial Conference of the First Ministers. This paper discusses the content and origins of section 33, the November 1981

First Ministers' conference, the framers' intentions, and the debate on the override.  
CA CI PA

**Le Nouveau cadre normatif des investissements universitaires**

Conseil des universités ; avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : le Conseil, 1990. i, 22 p. Bibliogr. (Avis ; no 89.16) ISSN 0709-3985 ISBN 2-550-20823-4  
MICROLOG 90-05545 1 fiche

Le 9 mars 1990, le Ministre de l'Enseignement supérieur et de la Science sollicitait l'avis du Conseil des universités sur un nouveau cadre normatif des investissements universitaires, qu'il compte utiliser pour la préparation de sa demande budgétaire relative au plan quinquennal d'investissements 1990-1995. Cet avis rappelle la place du cadre normatif dans la dynamique des décisions relatives aux investissements universitaires et souligne certaines des nouveautés introduites par le projet ministériel; situe le projet de cadre normatif par rapport à quelques caractéristiques en émergence de l'université des années 1990; et, examine deux normes particulières qui font l'objet de suggestions en vue d'éventuelles améliorations.  
ED PR QU

**Le Nouveau système canadien de reconnaissance du statut de réfugié**

par M. Young. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 21 p. (Etude générale ; BP-185F) *L'éd. anglaise (Canada's new refugee...)* sur la même fiche. ISBN 0-660-92690-3  
MICROLOG 90-01909 1 fiche

Le 21 juillet 1988, la sanction royale a été accordée à un projet de loi qui, lors de son entrée en vigueur le 1er janvier 1989, a modifié radicalement la procédure à suivre pour étudier les revendications du statut de réfugié au sens de la Convention faites au Canada. Ce document décrit la nouvelle loi, indique pourquoi elle a soulevé tant de controverse et résume les poursuites judiciaires intentées par le Conseil canadien des églises dès la mise en oeuvre du nouveau système.  
CA EX PA

**Nouveau-Brunswick. Apprentissage et la certification professionnelle : Rapport du directeur, 1er juillet - 31 décembre 1989**

Fredericton : la Direction, 1990. 74 p. *Bilingue. CSI 46149.001. ISSN 0383-4042*  
MICROLOG 90-06906 1 fiche

Ce document présente le rapport du directeur de l'apprentissage et de la certification professionnelle. Il couvre la période allant du 1er juillet au 30 décembre 1989, période durant laquelle 1 513 nouveaux apprentis se sont inscrits.  
AP LA PR ST

**Nouveau-Brunswick. Bureau de l'Ombudsman : Rapport annuel 1988**

Fredericton : le Bureau, 1989. 30, 57 p. : ill. *Bilingue. CSI 46132.001.*  
MICROLOG 90-00288 2 fiche

Rapport annuel donnant les faits saillants de l'année 1988, puis le résumé des cas sommaires. De plus, on y aborde les points suivants: la loi sur le droit à l'information; les renseignements en matière d'adoption; la loi sur les langues officielles; le comité permanent de l'ombudsman de l'Assemblée législative; la troisième réunion du personnel des bureaux d'ombudsmans; la série de cours sur le bureau de l'ombudsman au secondaire; les statistiques et les annexes sur les plaintes reçues et les résumés; la revue budgétaire; les tableaux statistiques; la Loi sur l'Ombudsman; sur le droit à l'information; les services à la

famille; ainsi que les archives.  
AP JU PA PR ST

**Nouveau-Brunswick. Bureau du contrôleur du financement politique : Rapport annuel 1987-88**

Fredericton : le Bureau, 1990. 28 p. *Bilingue. CSI 46134.001.*  
MICROLOG 90-07063 1 fiche

Document présentant le rapport annuel du Contrôleur du financement politique couvrant la période du 1er avril 1987 au 31 mars 1988. Il donne également l'état détaillé des recettes et dépenses de fonds pour l'année se terminant le 31 décembre 1987.  
AP CO PA PR

**Nouveau-Brunswick. Commission d'expansion économique de la Péninsule : Rapport annuel 1988-89**

S.L. : la Commission, 1989. 20 p. : ill. *CSI 46159.001.*  
MICROLOG 90-03161 1 fiche

Document présentant le rapport annuel de la Commission d'expansion économique de la Péninsule pour l'année 1988-89. On y donne des renseignements sur le Conseil d'administration; le rapport des activités; l'entrepreneur de l'année 1988; le bilan de la CEEP; des renseignements sur les services; les priorités 1989-90; et, les états financiers.  
AP CO PR

**Nouveau-Brunswick. Commission de l'alcoolisme et de la pharmacodépendance : Rapport annuel 1988-89**

Fredericton : la Commission, 1989. 27 p. : ill. *Bilingue. CSI 46100.001. ISSN 0228-1449* ISBN 1-55048-110-X  
MICROLOG 90-01046 1 fiche

Le document fournit des données sur les différents buts de la Commission, qui sont: a) d'offrir, de diriger et de mettre en oeuvre des programmes tendant au traitement et à la réadaptation des personnes atteintes d'alcoolisme et de pharmacodépendance, au règlement des problèmes liés à la consommation de l'alcool et des autres drogues, et à la communication de renseignements sur la nature et les effets de l'alcoolisme et de la pharmacodépendance et sur leur dépistage, prévention et traitement; b) d'offrir, de diriger et de mettre en oeuvre des programmes de recherche sur la prévention de l'alcoolisme et de la pharmacodépendance, le traitement et la réadaptation des personnes atteintes d'alcoolisme et de pharmacodépendance, et les effets médicaux et sociaux de la consommation de l'alcool et des autres drogues, et; c) de coordonner les efforts d'autres organismes, publics et privés, qui traitent de problèmes liés à la consommation de l'alcool et des autres drogues.  
AP BS PR SA

**Nouveau-Brunswick. Commission de la Fonction publique : Rapport annuel 1988-89**

Fredericton : la Commission, 1989. 37 p. *Bilingue. CSI 46116.001. ISSN 0382-2745* ISBN 1-55048-118-5  
MICROLOG 90-02142 1 fiche

Ce document présente le rapport annuel de la Commission de la Fonction publique pour la période allant du 1er janvier 1988 au 31 mars 1989. Ce document se penche sur les points suivants: l'organisation et le mandat de la Commission; les observations; la vérification des pratiques en matière de dotation, les appels; et, les plaintes.  
AP PA PR



**Nouveau-Brunswick. Commission des accidents du travail : Rapport annuel 1989**

Fredericton : la Commission, 1990. 41, 41 p. : ill. *Bilingue. CSI 46138.001.*  
MICROLOG 90-05740 1 fiche

Rapport annuel de la Commission pour l'exercice se terminant le 31 décembre 1989. Inclut un résumé des prestations en cours, la liste de l'emplacement des bureaux de la Commission, les faits saillants des différents services (Commission d'appel; Service des prestations, des réclamations, financier, médical, des systèmes et d'informatique, de réadaptation professionnelle; Comité de révision; Centre de rééducation professionnelle), ainsi qu'une liste des publications offertes. Comprend aussi les états financiers et des données statistiques.  
AP LA PR ST

**Nouveau-Brunswick. Commission des licences et permis d'alcool : Rapport annuel 1988-89**

Fredericton : la Commission, 1989. 13, 12 p. : ill. *Bilingue. CSI 46125.001.*  
MICROLOG 90-00295 1 fiche

Présente le rapport annuel de la Commission des licences et permis d'alcool du Nouveau-Brunswick pour l'année financière terminée le 31 mars 1989.  
AP CO PR ST

**Nouveau-Brunswick. Commission des relations de travail dans les services publics : Rapport annuel 1988**

Fredericton : la Commission, 1989. 38 p. *Bilingue. CSI 46135.001.* ISSN 0701-5062  
ISBN 1-55048-127-4  
MICROLOG 90-02143 1 fiche

Ce document présente le Rapport annuel de la Commission des relations de travail dans les services publics du Nouveau-Brunswick. Le document se penche particulièrement sur les procédures en vertu de la loi et relevant de la compétence de la Commission; les procédures en vertu de la loi et relevant de la compétence du président; et, les décisions des Tribunaux Procédures judiciaires.  
AP LA PR

**Nouveau-Brunswick. Conseil du Premier ministre sur la condition des personnes handicapées : Rapport annuel 1988-89**

Fredericton : le Conseil, 1989. 24, 23 p. : ill. *Bilingue. CSI 46144.001.* ISSN 0825-8201  
MICROLOG 90-02267 1 fiche

Présente le rapport annuel du Conseil du Premier ministre sur la condition des personnes handicapées pour l'année financière se terminant le 31 mars 1989. On y fournit des renseignements sur les activités du Conseil tels: le résumé des réunions officielles du Conseil; les exemples des réunions auxquelles le Conseil a assisté; les exemples de collaboration avec d'autres groupes; et, les principaux projets prévus pour 1989-1990.  
AP PR SA

**Nouveau-Brunswick. Coroner en chef : Rapport annuel 1989**

Fredericton : la Division, 1990. 35, 33 p. *Bilingue. CSI 46114.001.*  
MICROLOG 90-05135 1 fiche

La Division des coroners doit examiner tous les décès qui lui sont signalés afin de déterminer dans chacun des cas l'identité de la victime et d'établir où, quand, comment et par quel moyen elle est décédée. Ce rapport annuel pour l'année 1989 contient un survol historique de la fonction de coroner, un exposé sur l'organisation du système de coroners au Nouveau-Brunswick, un résumé statistique des investigations menées à la suite de décès, ainsi qu'un résumé des enquêtes et des

recommandations.  
AP JU PR

**Nouveau-Brunswick. Ministère de l'agriculture : Rapport annuel 1988-89**

Fredericton : le Ministère, 1990. 111 p. : ill. *Bilingue. CSI 45101.001.* ISBN 0-55048-288-2  
MICROLOG 90-05136 2 fiche

Rapport annuel du ministère de l'Agriculture pour l'exercice financier terminé le 31 mars 1989. L'introduction contient des informations générales sur les lois appliquées par le Ministère, la Commission de commercialisation des produits de ferme et la Division de la planification et du développement. Les 2 autres parties du document traitent de la technologie et des services extérieurs ainsi que de la commercialisation et des finances.  
AG AP PR SC

**Nouveau-Brunswick. Ministère de l'aide au revenu : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 28, 27 p. : ill. *Bilingue. CSI 45110.001.* ISSN 0845-5554  
ISBN 1-55048-108-8  
MICROLOG 90-00687 1 fiche

Ce rapport annuel est présenté sous les quatre grandes rubriques suivantes: les programmes de sécurité du revenu (soutien du revenu et aide financière), la planification et l'évaluation, et les services généraux et la Commission d'appel. Le rapport donne une brève description des programmes et des services, et rend compte des activités de l'année. Il décrit les réalisations et les principaux progrès accomplis pendant l'année écoulée, dans le cadre de ses programmes et de ses services.  
AP CO PR ST

**Nouveau-Brunswick. Ministère de l'approvisionnement et des services : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 53 p. : ill. *Bilingue. CSI 45115.001.* ISSN 0383-4948  
ISBN 1-55048-109-6  
MICROLOG 90-02268 1 fiche

Présente le rapport annuel du ministère de l'Approvisionnement et des Services. Celui-ci voit principalement à fournir des services centraux efficaces aux autres ministères et organismes gouvernementaux. Ses activités sont variées et touchent des secteurs aussi divers que les systèmes informatiques, la construction et l'exploitation des bâtiments du gouvernement, l'achat de marchandises et de fournitures, les services de courrier et la traduction. Le ministère comporte trois divisions opérationnelles, soit les Groupes des services et des bâtiments, et la Division des finances et de l'administration.  
AP PA PR

**Nouveau-Brunswick. Ministère de l'éducation : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 95, 111 p. : ill. *Bilingue. CSI 45104.001.* ISSN 0382-2850  
ISBN 1-55048-123-1  
MICROLOG 90-01207 3 fiche

Ce rapport annuel décrit des activités de l'année du Secteur des services francophones d'éducation, et de la Division des services de soutien. Il donne ensuite un résumé des activités de chaque conseil scolaire. En annexe on donne des statistiques qui traitent des inscriptions, des classes multiprogrammes, du nombre d'enseignants et de leurs niveau de certificat, du rapport élèves/enseignant, des écoles par niveau et par langue, du coût de l'éducation par élève, et on donne aussi des statistiques comparatives. La version anglaise donne aussi des renseignements sur les Services de planification, d'évaluation et de communication et sur la Division des services

éducatifs (secteur anglophone).  
AP ED PR ST

**Nouveau-Brunswick. Ministère de l'enseignement supérieur et de la formation : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 64, 57 p. : ill. *Bilingue. CSI 46153.001.*  
MICROLOG 90-05727 2 fiche

Rapport annuel du Ministère pour l'année financière 1988-89. Examine la structure, le mandat et les principales activités des différentes composantes du Ministère sous les thèmes suivants: programmes et priorités (programmes réguliers, alphabétisation, cours du soir, stratégie jeunesse, apprentissage, formation linguistique, équité d'accès), mécanismes d'offre des programmes (collèges communautaires, écoles d'enseignement infirmier, Ecole d'artisanat, Centre provincial de formation linguistique), organisation, services de l'administration centrale (planification, apprentissage et certification professionnelle, secrétariat de stratégie jeunesse, coordination des programmes et formation en apprentissage, administration et finances, aide financière et services aux étudiants). Le rapport fournit aussi des données statistiques sur l'éducation supérieure au Nouveau-Brunswick.  
AP ED PR ST

**Nouveau-Brunswick. Ministère de la santé et des services communautaires : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 63 p. : ill. *Bilingue. CSI 45125.001.* ISSN 0838-3693  
MICROLOG 90-05417 1 fiche

Le ministère de la Santé et des Services communautaires a été officiellement créé le 1er avril 1986 par la fusion entre la Division des Services sociaux et le ministère de la Santé. Ce rapport annuel pour l'année financière 1988-89 comprend une description de la structure du Ministère, de courts exposés sur les activités et les réalisations des diverses directions formant les divisions du Ministère, ainsi que des données statistiques. Les divisions incluent: les services communautaires, les services en établissement, les avantages médicaux assurés, les services médicaux, l'administration et la planification et l'évaluation.  
AP HE PR ST

**Nouveau-Brunswick. Ministère des affaires municipales et de l'environnement : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 40, 37 p. : ill. *Bilingue. CSI 45112.001.*  
MICROLOG 90-05629 2 fiche

Présente le rapport annuel du ministère des Affaires municipales et de l'Environnement pour l'année financière se terminant le 31 mars 1989. Le ministère comprend deux grandes divisions: la Division des services aux administrations locales et la Division de l'utilisation des terres et de l'eau. Ces deux divisions relèvent d'un sous-ministre adjoint. Une direction générale distincte de la politique, de l'administration et des communications, dirigée par un directeur exécutif, offre un service de soutien administratif à l'ensemble du ministère.  
AP EV MU PR SC ST

**Nouveau-Brunswick. Ministère des ressources naturelles et de l'énergie : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. iv, 108 p. : ill., cartes géogr. *Bilingue. CSI 45113.001.*  
MICROLOG 90-00677 2 fiche

Rapport annuel du ministère des Ressources naturelles et de l'Energie pour l'année terminée le 31 mars 1989. Le document porte sur l'aménagement des matières ligneuses, de la



pêche sportive et de la chasse, des ressources minières et énergétiques, des terres, ainsi que des services de soutien du ministère, et de la structure de programmes.  
AP EN NR PR SC ST

# **Nouveau-Brunswick. Ministère des transports : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 99 p. : ill. Bilingue. CSI 45117.001. ISBN 1-55048-121-5  
MICROLOG 90-02266 2 fiche

Ce document présente le rapport du ministère des Transports pour l'année financière se terminant le 31 mars 1989. On décrit les activités pour les directions et sections du ministère: génie, planification, le tracé des routes, techniques de la circulation, opérations, construction, gestion des véhicules, administration et politiques, politiques des transports et des communications, la Commission des transports routiers, la Loi sur la protection contre les fraudes en matière de valeurs, et la Commission des entreprises de services publics. On donne aussi les états financiers.  
AP PR SC TR

# **Nouveau-Brunswick. Ministère du solliciteur général : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 31, 31 p. : ill. Bilingue. CSI 45126.002. ISSN 0847-5687 ISBN 1-55048-133-9  
MICROLOG 90-02585 1 fiche

Ce document présente le Rapport annuel du ministère du Solliciteur général qui décrit les activités entreprises par ce ministère au cours de l'exercice 1988-89. On y traite de politique, de planification et d'évaluation; d'administration; de la Division des services correctionnels; de la Division des services de police; de la Division des shérifs-coroners; des Conseils; et, des Commissions.  
AP JU PR

# **Nouveau-Brunswick. Ministère du tourisme, des loisirs et du patrimoine : Rapport annuel 1988-89**

Fredericton : le Ministère, 1990. 64 p. : ill. Bilingue. CSI 45116.001. ISSN 0839-6434 ISBN 1-55048-279-3  
MICROLOG 90-05252 1 fiche

Rapport annuel traçant les grandes lignes des activités des différentes composantes du Ministère incluant la gestion administrative; la recherche et planification; le sport, le loisir et la culture; le marketing; le Musée du Nouveau-Brunswick; le Service de la bibliothèque; les Archives provinciales; le Bureau de cote des films; les parcs provinciaux et lieux historiques; le développement; le Village historique acadien; ainsi que la Société de Kings Landing.  
AP CU PR ST

# **Nouveau-Brunswick. Ministère du travail : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 60, 57 p. : ill. Bilingue. CSI 45111.001.  
MICROLOG 90-02278 2 fiche

La Division de la planification et de l'administration offre des services administratifs, financiers, et de personnel ainsi que des services de planification et de traitement de l'information à l'ensemble du ministère; elle fournit aussi des services de soutien général aux bureaux régionaux. Elle est responsable du Bureau de défense des droits des travailleurs ainsi que des programmes en matière de multiculturalisme et d'immigration et fait fonction, en outre, d'agent de liaison et de coordination pour ce qui est de l'administration de la Commission des relations industrielles, de Tribunal des normes d'emploi et de la Commission des droits de la personne. Ce document présente le rapport annuel du

ministère du Travail.  
AP LA PR ST

# **Nouveau-Brunswick. Pêches et aquaculture Nouveau-Brunswick : Rapport annuel 1988-89**

Fredericton : le Ministère, 1989. 28, 26 p. Bilingue. CSI 45106.001.  
MICROLOG 90-02144 1 fiche

Le rôle principal du ministère des Pêches et de l'Aquaculture du Nouveau-Brunswick consiste à accroître la productivité de l'industrie de la pêche et de l'aquaculture. Afin d'atteindre ces objectifs, le ministère offre des services financiers, techniques et éducatifs afin de favoriser le développement de l'industrie. Il participe également aux activités de recherche, de conservation et de répartition de la ressource. Ce document présente le rapport annuel du ministère pour l'année financière se terminant le 31 mars 1989.  
AP FI PR SC

# **Nouveau-Brunswick. Surintendant des assurances : Rapport annuel 1989**

Fredericton : le Surintendant, 1989. 47 p. Bilingue. CSI 46133.001.  
MICROLOG 90-00302 1 fiche

Le Rapport annuel aborde les points suivants: les nouvelles compagnies; les assureurs qui ont changé de statut; les compagnies qui ont cessé; les assureurs qui ont fusionné; les dépôts des compagnies d'assurance; les assureurs et officiers (siège social au Nouveau-Brunswick); la direction des assurances cotisation; la Commission des entreprises de service public (cotisation); l'assurance aviation (primes et sinistres); l'assurance accident-maladie (primes et sinistres); les primes et sinistres d'assurance-automobile; l'assurance chaudières et bris de machine (primes et sinistres); les sociétés des secours mutuels; les primes et sinistres d'assurance de garantie au Nouveau-Brunswick; l'assurance responsabilité (primes et sinistres); l'extrait des rapports d'assurance-vie; l'assurance marine (primes et sinistres); et l'assurance biens (primes et sinistres).  
AP CO PR ST

# **Nouveau-Brunswick projet ours noir, 1989-90 : rapport d'étape, an 1**

par K. Craig. Fredericton : Ministère des ressources naturelles et de l'énergie, Direction de la pêche sportive et de la chasse, 1990. 72 p. : ill., cartes géogr. Bibliogr. L'éd. anglaise (New Brunswick Black...) : 90-06905/1. CSI 46172.001F.  
MICROLOG 90-07224 1 fiche

Les changements rapides survenus récemment au niveau de la demande et de la perception que l'on a de l'ours noir ont suscité l'inquiétude quant à l'avenir de la population d'ours noir au Nouveau-Brunswick, d'où le besoin d'une meilleure information en vue de l'aménagement. Ce document se penche sur cette question en examinant particulièrement les points suivants: le projet ours noir 1989; le sondage auprès des chasseurs d'ours noir au Nouveau-Brunswick; le modèle démographique de l'ours noir; l'élaboration du plan d'aménagement de l'ours noir; l'estimation de l'abondance d'ours noirs; et, l'index de production des fruits et graines.  
AP CU PR ST

# **Nouveaux logements densifiables**

Ottawa : Société canadienne d'hypothèques et de logement, 1989. 33 p. : ill. L'éd. anglaise (New made-to-convert housing) sur la même fiche. ISBN 0-662-94693-6  
MICROLOG 90-01692 1 fiche

L'objectif de cette étude est d'explorer les possibilités de concevoir et de construire de nouveaux logements capables d'inclure un logement locatif autonome, alors qu'il est toujours occupé, et montrer que cela peut être réalisé avec un minimum de déragement, à

prix abordable. Dix-huit logements 'densifiables' ont été retenus et on y a préparé les plans de vingt-deux différents logements accessoires. Finalement, l'étude démontre que le logement 'densifiable' est physiquement réalisable et intéressant d'un point de vue économique.  
CA PL SC

# **Les Nouveaux mythes dans le domaine des agressions sexuelles d'enfants : allocation**

par D. Finkelhor. Ottawa : Santé et bien-être social Canada, Division de la prévention de la violence familiale, Centre national d'information sur la violence dans la famille, 1987. 16 p. L'éd. anglaise (New myths about...) sur la même fiche. Présentée au Colloque sur les agressions sexuelles d'enfants...  
MICROLOG 90-03786 1 fiche

Ce document, du Centre national d'information sur la violence dans la famille de la Division de la prévention de la violence familiale, porte sur une allocation faite sur les nouveaux mythes dans le domaine des agressions sexuelles d'enfants.  
BS CA SA

# **Une Nouvelle chaîne parlementaire**

par A.G. Jackson. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. 13 p. (Etude générale : BP-183F) L'éd. anglaise (New parliamentary T.V. channel) sur la même fiche. ISBN 0-660-92688-1  
MICROLOG 90-01907 1 fiche

Le 1er décembre 1988, la CPaC, coentreprise formée par la Société Radio-Canada (SRC) et l'industrie canadienne de la câblodistribution, a présenté une demande au CRTC en vue de mettre en ondes une nouvelle chaîne parlementaire améliorée, dont la programmation comprendrait des émissions d'actualités parlementaires et d'affaires publiques diffusées en dehors des heures de séance de la Chambre. Ce document présente un résumé des décisions prises à la suite de cette demande.  
CA PA SC TE

# **La Nouvelle loi sur les coopératives : document de travail**

Fredericton : Ministère de la justice, Division des services juridiques, Direction des coopératives, 1990. iv, 56, iii, 56 p. Bilingue (A New co-operatives...).  
MICROLOG 90-06084 2 fiche

Ce document de travail a été préparé par la Direction des coopératives du ministère de la Justice en vue de faire valoir leurs préoccupations au sujet de la loi en vigueur, et de tenter d'obtenir un consensus sur l'orientation législative du mouvement coopératif. Les pages de ce document résument les principales questions qui semblent devoir être incluses dans la loi. Elles contiennent des suggestions précises. En outre, on trouvera dans ce document une ébauche du contenu de chaque partie de la nouvelle loi. Une bonne part du contenu de la loi proposée renvoie à la Loi sur les corporations commerciales.  
AP CO JU PR

# **Les Nouvelles techniques de reproduction**

par P. Begin. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 59 p. Bibliogr. (Etude générale : BP-204F) L'éd. anglaise (New reproductive technologies) : 90-01900/1.  
MICROLOG 90-02612 1 fiche

Depuis 1977, une coalition canadienne de groupes féministes, la Coalition canadienne pour la création d'une commission royale d'enquête sur les nouvelles technologies de la reproduction humaine, réclame la mise sur pied d'une commission d'enquête "pour étudier l'incidence et la réglementation des nouvelles techniques de reproduction". Selon son porte-



parole, il est essentiel de tenir un débat national sur les progrès réalisés en matière de reproduction avant d'adopter des règlements ou des lois dans les provinces. C'est sur quoi ce document se penche en plus d'aborder les points suivants: les nouvelles techniques de reproduction; la réglementation des techniques de reproduction en ce qui a trait aux recommandations récentes; et, les questions non examinées dans le rapport Warnock et celui de l'Ontario.

CA LS SC

### Les Nouvelles technologies de l'information : innovation et diffusion

par L. Deschênes. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, Direction de la recherche organisationnelle, 1989. 31 p. Bibliogr. Texte préparé dans le cadre de la conférence Technologie de l'information : globalisation, diffusion, innovation et formation. L'éd. anglaise (New information...) : 90-03232/1. ISBN 0-662-95655-9  
MICROLOG 90-02333 1 fiche

Lorsqu'on parle de l'avènement de la société de l'information, on fait généralement référence à l'impact des nouvelles technologies de l'information, conçues pour traiter, emmagasiner, reproduire et transmettre de l'information et ce, dans tous les secteurs de l'activité humaine. Afin de faire la lumière sur l'évolution en cours, ce document présente un aperçu des innovations associées à la diffusion de l'information, des développements suscités au sein des organisations et des facteurs influençant le degré d'informatisation.

• CA SC TE

### Nouvelles technologies de l'information, emploi et travail : l'exemple des secrétaires

par L. Deschênes. Laval, Québec : Communications Canada, Centre canadien de recherche sur l'informatisation du travail, Direction de la recherche organisationnelle, 1988. 22, 22 p. Bibliogr. Bilingue (New information technologies...). Communication présentée lors du colloque La Technologie et le bureau bilingue. ISBN 0-662-94878-5  
MICROLOG 90-02332 1 fiche

Les effets des nouvelles technologies de l'information sur l'emploi constituent sans contredit l'impact social majeur découlant de l'information du travail, une inquiétude révélée par les sondages d'opinion publique, mais également par l'intérêt soutenu des gouvernements et syndicats ainsi que des chercheurs pour la question. Le débat concernant l'impact des nouvelles technologies de l'information sur l'emploi reprend néanmoins sensiblement les mêmes thèses que celui sur l'automatisation qui avait eu lieu au début du siècle. Ce document se penche sur les impacts des nouvelles technologies de l'information sur l'emploi et le travail en examinant particulièrement les pessimistes, les optimistes, les effets nets sur l'emploi, la déqualification du travail, la qualification croissante du travail et la bipolarisation des qualifications.

CA LA SC TE

### Les Nouvelles technologies de la reproduction

Québec : Gouvernement du Québec, Conseil du statut de la femme, 1989. 31 p. Bibliogr. ISBN 2-550-19834-4  
MICROLOG 90-00958 1 fiche

Au printemps 1988, un comité du Barreau du Québec a présenté un rapport d'études sur les principales questions reliées à la procréatique. Enfin, un comité interministériel de travail a été formé pour conseiller la ministre de la Santé et des Services sociaux sur les orientations à prendre en regard du développement fulgurant

des nouvelles technologies de la reproduction humaine. Ce document examine les points suivants: l'infertilité, l'insémination artificielle, la fécondation 'in vitro', les grossesses sous contrat, le diagnostic prénatal, l'orientation de la recherche et des services et l'encadrement des pratiques, ainsi que les recommandations.

HE JU PR QU

### Nova Scotia. Advisory Council on Heritage Property : Annual report 1988-89

Halifax : The Council, 1989. 9 p. CSI 52138.001.  
MICROLOG 90-03297 1 fiche

The Advisory Council provides for the identification, designation, preservation, protection and rehabilitation of buildings, streetscapes and areas of historic, architectural or cultural value, and encourages their continued use. This annual report lists members of the council, and recommendations for registrations.

AP CU PR

### Nova Scotia. Board of Commissioners of Public Utilities : Annual report 1988

Halifax : The Board, 1989. 100 p. CSI 52116.001.  
MICROLOG 90-04904 2 fiche

In addition to its duties under the Public Utilities Act, the Board administers the Gasoline and Fuel Oil Licensing Act, the Motor Carrier Act, the Motor Vehicle Transport Act, the Salvage Yards Licensing Act and performs special functions under the Bonus Act, the Insurance Act, and other Acts of the Legislature. The annual report presents written decisions and summaries of oral decisions from hearings taking place during the year. Includes a list of the public utilities in operation.

AP PR PW

### Nova Scotia. Dept. of Agriculture and Marketing. Extension Services Branch : Annual report 1989

Halifax : The Branch, 1990. 85 p. : ill. CSI 51100.015.  
MICROLOG 90-06142 2 fiche

The primary objective of the Branch is to work with people to assist them in making decisions that will improve their economic and social well being. Annual report of Extension Services of the Department, including farm management, home economics, 4-H and rural youth, extension agricultural engineering, capital grants and limestone. An overview is given from each of the Divisions, with a performance review of policies and programs.

AG AP CO PR ST

### Nova Scotia. Dept. of Agriculture and Marketing : Annual report 1988-89

Halifax : The Dept., 1989. 69 p. CSI 51100.001.  
MICROLOG 90-05813 1 fiche

This annual report focuses on the Nova Scotia Agricultural College, the Livestock Services Branch, the Marketing and Economics Branch, Horticulture and Biology Branch, Extension Branch, and Soils and Crops Branch.

AG AP CO PR SC ST

### Nova Scotia. Dept. of Community Services : Annual report 1989

Halifax : The Dept., 1990. 290 p. : ill., maps. CSI 51124.001.  
MICROLOG 90-06162 3 fiche

This annual report contains descriptions of the broad range of services and programs which the department makes available to Nova Scotians.

AP HE PR

### Nova Scotia. Dept. of Consumer Affairs : Annual report 1988-89

Halifax : The Dept., 1989. 46 p. : ill. CSI 51101.001.  
MICROLOG 90-06144 1 fiche

The Department has seven divisions: Research and Communication; Administration, Amusements Regulation and Field Services; Consumer and Commercial Services; Financial Institutions and Revenue; Rent Review; and Residential Tenancies and Condominiums. This annual report reviews the activities of these divisions, provides an organizational chart, the acts administered by the department, financial and statistical information.

AP CO PA PR ST

### Nova Scotia. Dept. of Development : Annual report 1985-86

Halifax : The Dept., 1986. 53 p. CSI 51103.001.  
MICROLOG 90-00514 1 fiche

Contains a summary review, and reports on divisions, agencies, business development, trade and investment, federal/provincial subsidiary agreements, information and analytical services, administrative support, and program expenditures. It includes statistics and an index.

AP PL PR

### Nova Scotia. Dept. of Education : Annual report 1987-88

Halifax : The Dept., 1989. 83 p. : ill. CSI 51104.001.  
MICROLOG 90-02570 1 fiche

This annual report describes the Dept.'s administration structure and education programs. It also discusses learning disabilities and presents information on finance and budgeting, and the Teachers' Pension Commission.

AP ED PR ST

### Nova Scotia. Dept. of Fisheries : Annual report 1987-88

Halifax : The Dept., 1988. 53 p. CSI 51106.001.  
MICROLOG 90-00733 1 fiche

Annual report of the Department, presenting information on the fishing industry, industrial development, the activities of the Fisheries Loan Board, marine resources, aquaculture and inland fisheries, and marketing.

AP FI PR SC ST

### Nova Scotia. Dept. of Government Services : Annual report 1988-89

Halifax : The Dept., 1989. 51 p. : ill. CSI 51107.001.  
MICROLOG 90-05176 1 fiche

The Department of Government Services provides services to all departments, boards, commissions and agencies as well as Crown Corporations and the Legislature. The department deals closely with the private sector in the allocation of architectural and design work as well as general contracting, leasing, property maintenance, and computers. Its primary responsibilities are those that result from project and program development of the line departments. This annual report highlights the activities of the Finance and Administration division, Property and Operation Services, Design and Construction Services, Systems and Computer Services, and Publishing and Creative Services.

AP PA PR ST

### Nova Scotia. Dept. of Health and Fitness : Annual report 1988-89

Halifax : The Dept., 1989. 49 p. : ill. CSI 51108.001.  
MICROLOG 90-05408 1 fiche



Highlights of the year for the Department, as well as a summary of selected activities of the various divisions within the Department, including hospitals and mental health programs, public health programs (community health nursing, health promotion, nutrition, epidemiology, dental, ambulance subsidies, public health engineering, radiation inspection and public health inspection), and financial and administrative details for the Department. Includes information on vital statistics, personnel and legal counsel activity.  
AP HE PR ST

**Nova Scotia. Dept. of Housing :  
Annual report 1987-88**

Halifax : The Dept., 1988. 78 p. : ill.  
CSI 51109.001.  
MICROLOG 90-04916 1 fiche

Annual report of the Department, covering its organization, a summary of the programs, and detailed information on housing starts, housing for seniors and families, assistance programs, apartment creation, mortgage assistance, repair program, home awards, rural and native housing, and land acquisition and development. Financial statements are given for the Housing Development Fund and the Housing Development Corporation.  
AP PR SA ST

**Nova Scotia. Dept. of Housing :  
Annual report 1988-89**

Halifax : The Dept., 1989. 74 p. : ill.  
CSI 51109.001.  
MICROLOG 90-06940 1 fiche

The mandate of the Department is to contribute to the creation of dwelling units for many different groups of Nova Scotians needing assistance. This annual report reviews the Department's activities for 1989. It includes financial statements. Divisions of the Dept. include administration, program and property management, planning services, finance and the Housing Development Board.  
AP PR SA ST

**Nova Scotia. Dept. of Mines and  
Energy : Annual report 1986-87**

Halifax : The Dept., 1987. 153 p. : ill., maps.  
Bibliogr. CSI 51112.001.  
MICROLOG 90-00513 2 fiche

This annual report describes the organization of the department and lists its personnel. It reviews the activities of the Department's various branches and divisions.  
AP EN NR PR PS SC ST

**Nova Scotia. Dept. of Municipal  
Affairs : Annual report 1988-89**

Halifax : The Dept., 1989. 52 p. : ill. Bibliogr.  
CSI 51113.001.  
MICROLOG 90-05198 1 fiche

Provides information on the activities of the Department during the year, including the Assessment Division, the Community Planning Division, the Deputy Minister's Office, Finance and Advisory Services, and the Policy Development and Research Division. Also included are a list of the Acts administered, amendments from the current year, and addresses and telephone numbers of regional offices.  
AP MU PA PR

**Nova Scotia. Dept. of Solicitor  
General : Annual report 1988-89**

Halifax : The Dept., 1990. 27 p.  
CSI 51126.001.  
MICROLOG 90-06595 1 fiche

This annual report reviews the major activities and accomplishments of the Department. It lists acts administered by the Department. Reports are given from finance and administration, policy, planning and research,

policing services, correctional services inspection/investigation, Provincial Firearms Office, and the registry of regulations. An organizational chart is included.  
AP JU PR

**Nova Scotia. Dept. of the Attorney  
General : Annual report 1988-89**

Halifax : The Dept., 1989. 43 p.  
CSI 51117.002.  
MICROLOG 90-07356 1 fiche

This is the first annual report of the Department. It deals with those areas of the administration of justice that are within the constitutional jurisdiction of the province. Significantly, it covers the activities of a recently restructured department, since the supervision, direction, and control of affairs and matters relating to police and corrections were assigned to the Department of Solicitor General upon the creation of that department in December 1987.  
AP JU PA PR

**Nova Scotia. Dept. of the  
Environment : Annual report 1988-89**

Halifax : The Dept., 1989. 41 p.  
CSI 51118.001.  
MICROLOG 90-07036 1 fiche

The Dept. is responsible for protecting the province's air, land and water. This annual report presents the purpose and objectives, the legislation, highlights, and the activities of the environmental assessment, field services, and utilities divisions. Coverage includes waste management, water resources planning, water management, hazardous waste management, air quality evaluation, water pollution control, water well management, environment engineering, flood damage reduction, and various advisory groups and grants programs.  
AP EV PR SC

**Nova Scotia. Dept. of Tourism and  
Culture : Annual report 1987-88**

Halifax : The Dept., 1988. 45 p.  
CSI 51115.001.  
MICROLOG 90-02039 1 fiche

This annual report highlights the activities of the Bluenose II and includes reports from the Department's various divisions; Finance and Administration, Marketing; Provincial Resort Hotels; Travel Information; and Cultural Affairs  
AP CO CU PR ST

**Nova Scotia. Dept. of Transportation  
and Communications : Annual report  
1987-88**

Halifax : The Dept., 1988. 282 p.  
CSI 51116.001.  
MICROLOG 90-01660 3 fiche

Annual report of the Department, giving information on the construction and maintenance of Nova Scotia's highway system, including several ferry systems, as well as motor vehicle licensing, registration and safety programs. An organization chart and a summary of revenue and expenditures is included.  
AP PR SC ST TR

**Nova Scotia. Environmental Control  
Council : Annual report 1989**

Halifax : The Council, 1989. 18 p.  
CSI 52120.001.  
MICROLOG 90-07037 1 fiche

To preserve and protect the environment, this Council makes recommendations to the Minister and reviews and appraises programs and activities in light of their impact. The annual report describes the Council's activities during the 1989 calendar year: meetings held and attended; activities and studies conducted, awards for 1988; ministerial orders, and legislation.  
AP EV PR SC

**Nova Scotia. Farm Management  
Division : Annual report 1989**

Halifax : The Division, 1990. 13 p.  
CSI 52121.001.  
MICROLOG 90-04912 1 fiche

Annual report for the 1989 calendar year of the activities of the Division, which assists farmers, farm leaders, and Dept. of Agriculture and Marketing staff in developing their business management knowledge and skills. Information is given on farmer counseling, formal training, management information programs for the dairy, swine farm, and feeder industry; as well as farm record systems, committees, staff training activities and goals are given for 1990.  
AG AP PR SC

**Nova Scotia. House of Assembly.  
Standing Committee on Public  
Accounts : Annual report to the Nova  
Scotia Legislature 1989-90**

Halifax : The Committee, 1990. v, 325 p.  
CSI 46170.001.  
MICROLOG 90-03305 4 fiche

This annual report reviews the activities of the Office of the Auditor General, the Nova Scotia Corporation, and the other Commissions and Divisions.  
AP PA PR

**Nova Scotia. Liquor Licence Board :  
Annual report 1988-89**

Halifax : The Board, 1989. 17 p.  
CSI 52136.001.  
MICROLOG 90-04901 1 fiche

The document contains all audited financial statements for the year ending 31 March 1988, including Auditor's reports, balance sheet, statement of income, notes to financial statements, and schedule of administrative expenses.  
AP CU PR

**Nova Scotia. Mines and Minerals  
Branch : Report of activities, 1987 :  
part B**

edited by D.R. MacDonald and Y. Brown  
Halifax : Dept. of Mines and Energy, Mines and Minerals Branch, 1988. vii, 304 p. : ill., maps. Bibliogr. (Report : 88-1)  
CSI 51112.009.  
MICROLOG 90-00565 4 fiche

Results of a variety of projects carried out or coordinated by the Department in 1987. The provincial and federal governments are partners in the exploration for and development of Nova Scotia's mineral resources through the 5-year Canada-Nova Scotia Mineral Development Agreement, implemented in 1984. Gold exploration and development continued to be the highlight of the mineral industry, and this is reflected in the number of projects reported. Continuing work on coal resources reflects the long-term importance of coal. Results of the examination of other mineral resources, as well as regional geological and geochemical surveys to evaluate the mineral potential of large areas of the province are also given. Projects are categorized by division (energy resources, mineral development, mineral resources, university research, external abstracts and conference presentations, and Geological Survey of Canada projects). Projects also include petroleum related offshore and onshore activity, and oil shale occurrences.  
AP NR PR PS SC

**Nova Scotia. Mines and Minerals  
Branch : Report of activities, 1988 :  
part A**

D.R. MacDonald and Y. Brown, editors  
Halifax : Dept. of Mines and Energy, 1989. ix, 223 p. : ill., maps. Bibliogr. (Report : 88-3) CSI 51112.009  
MICROLOG 90-00882 3 fiche



This publication provides brief summaries of all major programs and presents preliminary results where possible. Reports are grouped by sponsoring division or agency and include the Divisions of energy resources, mineral development, and mineral resources; universities and colleges; and the Canada-Nova Scotia Mineral Development Agreement. Coverage includes an update of onshore petroleum activity, as well as specific locations; general reports on mineral exploration monitoring, core library activities, the land use policy development project, automation in the Division, and specific minerals projects; research projects at Acadia University, St. Francis Xavier University and the University College of Cape Breton; and geological analysis of various sites in the province.  
AP NR PR PS SC

**Nova Scotia. Mines and Minerals  
Branch : Report of activities, 1988 :  
part B**

Y. Brown and D.R. MacDonald, editors  
Halifax : Dept. of Mines and Energy, 1989.  
vii, 133 p. : ill., maps. Bibliogr. (Report ;  
89-1) CSI 5112.009.  
MICROLOG 90-02397 2 fiche

Annual report of field and analytical studies carried out or coordinated by the Department. Most of the projects form part of a 5-year Canada-Nova Scotia mineral development agreement that was implemented in 1984. Projects cover energy resources, mineral development, mineral resources, and external abstracts and conference presentations.  
AP NR PR PS SC

**Nova Scotia. Mines and Minerals  
Branch : Report of activities, 1989 :  
part A**

D.R. MacDonald and K.A. Mills, editors  
Halifax : Dept. of Mines and Energy, 1989.  
vii, 175 p. : ill., maps, fold. map. Bibliogr.  
(Report ; 89-3) CSI 5112.003.  
MICROLOG 90-05107 3 fiche

Brief summary of all major programs, with preliminary results where possible. Programs are presented under area of activity, including energy resources, mineral development, mineral resources, universities, and Geological Survey of Canada.  
AP NR PR PS SC

**Nova Scotia. Office of the Auditor  
General : Report of the Auditor  
General, 1988-89**

Halifax : The Office, 1989. 192 p. : ill.  
CSI 51119.001.  
MICROLOG 90-03606 2 fiche

This report provides information on audit responsibilities, accountability and management, financial topics, and crown agencies and corporations. It also includes special departmental reviews, and other audit observations.  
AP CO PA PR

**Nova Scotia. Office of the Fire  
Marshal : Annual report 1987-88**

Halifax : The Office, 1988. 49 p.  
CSI 52132.001.  
MICROLOG 90-05062 1 fiche

This annual report provides information on loss of life and injuries, property loss, main causes of fires, fire investigations, and fire prevention activities.  
AP PR PW

**Nova Scotia. Vital Statistics : Annual  
report 1985**

Halifax : The Branch, 1987. 157 p. : ill.  
CSI 51108.002.  
MICROLOG 90-02276 2 fiche

Provides a comparative and analytical summary, as well as detailed tables, of live births, deaths -- stillbirths; infant and maternal deaths; death from selected causes; and marriages.  
AP HE PR ST

**Nova Scotia. Vital Statistics : Annual  
report 1986**

Halifax : The Division, 1987. 147 p. : ill.  
CSI 51108.002.  
MICROLOG 90-07050 2 fiche

This annual report provides tables of vital statistics from the report of the Registrar General dealing with such topics as: population in Nova Scotia, 1921-86; live births, deaths and stillbirths; infant and maternal deaths; marriages; and causes of death.  
AP HE PR ST

**Nova Scotia. Voluntary Planning  
Board : Annual report 1988-89**

Halifax : The Board, 1989. 18 p. : ill.  
CSI 51100.014.  
MICROLOG 90-01375 1 fiche

The mission of Voluntary Planning is to provide for the effective involvement of the non-government sector in planning for development. This annual report includes Board sector and Committee reports.  
AP PA PR

**Nova Scotia agri-food commodity  
yearbook, 1988-89 -- 1st ed.**

Halifax : Dept. of Agriculture and Marketing,  
1989. 32 p. : ill. CSI 51125.001.  
MICROLOG 90-04922 1 fiche

First annual report on the marketing and promotional initiatives undertaken by Nova Scotia's agri-food commodity boards and associations. Descriptions of each organization are given, covering blueberries, pork, cattle, chicken, turkey, bees, strawberries, maple sugar, vegetables and potatoes, eggs and pullets, fruit, and sheep.  
AG AP PR SC

**Nova Scotia agricultural statistics,  
1990**

prepared by Statistics Canada, Agriculture  
Division and N.S. Dept. of Agriculture and  
Marketing, Marketing and Economics Services.  
Halifax : Dept. of Agriculture and Marketing,  
1989. 63 p. : ill. CSI 51100.002.  
MICROLOG 90-03181 1 fiche

Series of tables detailing farm activity, including financial indicators, livestock, dairy, poultry, field crops, and fruits and vegetables. Data is also given on population and climate and such miscellaneous operations as maple products, greenhouse operation, farm use of limestone, fertilizer and limestone sales, feed freight assisted shipments, exports, and consumer price indexes. Data is generally given by county for current and the previous 10 years.  
AG AP PR SC ST

**Nova Scotia Commission of Inquiry  
on Remuneration of Elected  
Provincial Officials : report**

Nova Scotia Commission of Inquiry on  
Remuneration of Elected Provincial Officials.  
Halifax : The Commission, 1989. 2 v.  
MICROLOG 90-01449 1 fiche

The report is divided into two sections: recommendations of the Commission which, pursuant to the provisions of Section 43A of the House of Assembly Act, have the same force as if they were passed by the legislature; and proposals, which generally deal with matters that have been raised with the Commissioners but with respect to which they have no clear mandate to decide.  
AP PA PR

**Nova Scotia Commission on Drug  
Dependency : Annual report 1987-88**

Halifax : The Commission, 1989. 73 p.  
CSI 52102.001  
MICROLOG 90-05405 1 fiche

The Commission deals with the continuing demand for service on the various detox and short term treatment programs offered. This annual report lists Board members and staff for the Commission and its regional Boards and Committees. It also includes an overview of the activities of the Commission during the year, and provides client statistics.  
AP PR SA ST

**Nova Scotia credit unions : financial  
and statistical report on operations  
for the year ended December 31,  
1988**

Halifax : Dept. of Consumer Affairs, Financial  
Institutions & Revenue Division, Registrar of  
Credit Unions, 1989. 61 p. CSI 52129.001.  
MICROLOG 90-01052 1 fiche

Presents the highlights of the year, financial statements, and financial information on individual credit unions. It also provides selected statistics by county.  
AP CO PR

**Nova Scotia Criminal Injuries  
Compensation Board : Annual report  
1988-89**

Halifax : The Board, 1989. 27 p.  
CSI 52103.001.  
MICROLOG 90-03296 1 fiche

This annual report includes information on legislation, personnel, cost sharing, public awareness, administration activity, and subrogation. It also supplies a summary of decisions, and a summary of dismissed applications.  
AP JU PR

**Nova Scotia cruise/ferry viability  
study**

prepared for Nova Scotia Department of  
Tourism & Culture ; by Don Shiner, Peter  
Noble and John Avis. Halifax : Peat, Marwick  
Stevenson & Kellogg, 1990. 101 p. : ill.  
MICROLOG 90-04590 2 fiche

This report presents a comprehensive analysis of the feasibility of a possible cruise/ferry operation between Nova Scotia and the Eastern Seaboard of the United States, and the impact such a potential operation could have on Nova Scotia in general, as well as specific communities and existing services.  
AP CU PR TR

**Nova Scotia Dairy Commission :  
Annual report 1988**

Halifax : The Commission, 1988. 20 p.  
CSI 52133.001.  
MICROLOG 90-02265 1 fiche

Annual report of the Commission, giving a summary of the main activities, a summary of milk and cream classification, cream production, milk utilization and pricing, price equalization, bulk milk marketing rates, and the market sharing quota program.  
AG AP CO PR SC ST

**Nova Scotia dairy farm business  
summary report, 1984-88**

by A.C. Grant and R. Bellefontaine. Halifax :  
Dept. of Agriculture and Marketing, Farm  
Management Division, 1989. i, 12 p.  
CSI 51100.013.  
MICROLOG 90-00535 1 fiche

This report provides information on trends that have occurred at the farm level in the dairy industry over the five year period. It presents a brief summary of ratios, cost and return data, and management factors on a per farm,



per cow and per hectolitre basis.  
AG AP PR SC ST

# **Nova Scotia dairy farm business summary report, 1988**

by A.C. Grant and R. Bellefontaine. Halifax : Dept. of Agriculture and Marketing, Extension Services Branch, 1989. 78 p. *CSI 51100.012*. MICROLOG 90-00532 2 fiche

This document presents business summaries for the following unit sizes: 20-39 cows, 40-59 cows, 60-99 cows, and 100 plus cows. It also includes an analysis of all farms, a net farm income analysis, a production analysis, and investment analysis.  
AG AP PR SC ST

# **Nova Scotia dairy farm business summary report, 1989**

by A.C. Grant and R. Bellefontaine. Halifax : Dept. of Agriculture and Marketing, Farm Business Management Section, 1990. 76 p. *CSI 51100.012*. MICROLOG 90-07054 2 fiche

Annual synopsis of the business performance of 135 Nova Scotia dairy farms which volunteered to have data included. Farms are divided into 4 sizes and analyzed, with an overall analysis included. Also included are a net farm income analysis, a production analysis and an investment analysis. Data is given per farm and per cow.  
AG AP CO PR ST

# **Nova Scotia dimension stone for designers, developers, quarriers**

Halifax : Dept. of Mines and Energy, 1989. 24 p. : ill. (Information series ; no. 19) MICROLOG 90-06227 1 fiche

Overview of the dimension stone industry in Nova Scotia, including geology and areas developed, the stone fabrication industry, the physical properties, the stone mason apprenticeship program, and the use of such stone in both new buildings and restoration of older buildings.  
AP NR PR SC

# **Nova Scotia directory of manufacturers, 1990-91**

Halifax : Dept. of Industry, Trade and Technology, Statistical Services Branch, 1990. xii, 170 p. : maps. *CSI 51123.003*. MICROLOG 90-04141 2 fiche

Contains facts about Nova Scotia, summary data of manufacturers, and an explanation of standard industrial classification codes. It also lists manufacturers according to the following classifications: alphabetic, geographic, standard industrial, products, and industrial parks/malls.  
AP CO PR

# **Nova Scotia film and video catalogue, 1986 to 1989**

Halifax : Dept. of Consumer Affairs, 1990. 218 p. MICROLOG 90-05922 3 fiche

This publication lists the films and videos alphabetically, and specifies for each the rating, and captions, if any.  
AP CU PR

# **Nova Scotia forest production survey, 1989**

Halifax : Dept. of Lands and Forests, 1989. 38 p. *CSI 51111.003*. MICROLOG 90-03891 1 fiche

Information on forest production was collected from producers, processors and buyers of primary forest products, using wood of Nova Scotia origin only. Firms reported the quantities sawn during the year, and whether the wood was purchased, custom-sawn or produced by the mill owners themselves. Roundwood production was obtained from buyers and

producers of pulpwood, pit-props, veneer logs and poles and piling. Pit props are included with poles and pilings for aggregation reasons. Lists of producers by size of annual production and by product are included, as are five-year averages.  
AP FO PR SC ST

# **Nova Scotia Hospital : Annual report 1987-88**

Halifax : The Hospital, 1989. 38 p. : ill. *CSI 52106.001*. MICROLOG 90-05406 1 fiche

The annual report provides a report of activities carried out by all departments of the Nova Scotia Hospital. The reports are given by the Chairman of the Board, the Executive Director and the Medical Director. The reports are from different committees (Building and Grounds, Patient Care, Board Development and more), and departments (Accounting and Data Processing, Maintenance, Medical Records, Nursing Service and more), as well as developments in patient care, education, training and research and information on the standings of their medical staff. Statistics on analysis of hospital recoveries and expenditures are also included.  
AP HE PR ST

# **Nova Scotia Human Rights Commission : Report 1986-88**

Halifax : The Commission, 1989. 34 p. *CSI 52107.001*. MICROLOG 90-03295 1 fiche

The Commission is responsible for the administration and enforcement of the Human Rights Act, which prohibits discrimination against any individual or class of individuals because of race, religion, creed, color, ethnic origin, national origin, sex, or physical or mental disability. This report reviews administration, investigation, affirmative action, public education, the research division, and field services.  
AP JU PR SA

# **Nova Scotia Liquor Commission : Annual report 1988-89**

Halifax : The Commission, 1990. 27 p. : ill., maps. *CSI 52109.001*. MICROLOG 90-05180 1 fiche

The annual report contains financial statements from the Commission with data on sources of gross liquor revenue, distribution of liquor revenue dollars, and a five year sales comparison. Includes the Auditors' report, the balance sheet, statement of income and statement of changes in financial position. The document also contains figures on the sale of alcoholic beverages by volume per capita, sales in hectolitres, sales by stores and a map of the distribution of stores across the province. Notes to the financial statements are also included.  
AP CO PR ST

# **Nova Scotia Lottery Commission : Annual report 1988-89**

Halifax : The Commission, 1989. 13 p. *CSI 52125.001*. MICROLOG 90-06147 1 fiche

The Atlantic Lottery Corporation, a joint partnership of the Atlantic Provinces, was established in the region to conduct and manage lottery schemes as a revenue source for the provincial governments to offset the cost of various programs and services. This annual report contains an auditor's report and financial statements.  
AP CU PR

# **Nova Scotia Municipal Finance Corporation : Annual report 1989**

Halifax : The Corporation, 1990. 19 p. *CSI 52145.001*. MICROLOG 90-06594 1 fiche

The Corporation's function is to provide financing of the capital requirements of municipalities, school boards and hospitals by the issuance of its securities, and relending the funds to municipal units and boards. This annual report presents statements of the financial position, of the revenue, expenditure and reserve fund, and of the changes in financial position.  
AP CO MU PR ST

# **Nova Scotia Power Corporation : Annual report 1988-89**

Halifax : The Corporation, 1989. 28 p. : ill. *CSI 52104.001*. MICROLOG 90-02603 1 fiche

This annual report includes information on the customers, the environment, employees, and the province. It contains a financial report.  
AP EN PR SC ST

# **Nova Scotia regional public libraries statistics, 1988**

Halifax : Dept. of Education ; Nova Scotia Provincial Library, 1989. 54 p. : ill. *CSI 52112.002*. ISSN 0708-5087 MICROLOG 90-00516 1 fiche

This report includes statistics on operating finances, capital finances, and branch maintenance finances. It also provides statistics on circulation for branches, bookmobiles, and books-by-mail. In addition, it presents resource statistics for print materials, non-print material, facilities, and personnel.  
AP CU PR ST

# **Nova Scotia Research Foundation Corporation : Annual report 1988-89**

Dartmouth, N.S. The Corporation, 1989. 12 p. : ill. *CSI 52114.001*. MICROLOG 90-00343 1 fiche

Annual report of the Foundation, presenting a corporate profile, a financial summary, an overview of the year's activities, and reports on projects in applied science, industry services, product development, the Industrial Research Assistance Program and the field service, and affiliates. A list of staff publications and papers, and activities of the staff in the community, are also given. A financial statement is included.  
AP PR PS SC

# **Nova Scotia Research Foundation Corporation : Annual report 1989-90**

Halifax : The Corporation, 1990. 12 p. : ill. Bibliogr. *CSI 52114.001*. MICROLOG 90-07220 1 fiche

Nova Scotia Research was established in 1946 to use science and technology to assist in the economic development of the province, in particular secondary manufacturing industry and the ocean industry. Report for 1989-90 presents a financial summary and a listing of projects in applied science, industry services and product development. Presents a short overview of the year's activities within each area and of its affiliates. A financial statement is included.  
AP CO PR SC

# **Nova Scotia Resources Limited : Annual report 1989**

Halifax : The Corporation, 1989. 19 p. : ill. *CSI 52115.001*. MICROLOG 90-02045 1 fiche

This Corporation is a provincial Crown corporation under the responsibility of the Minister of Mines and Energy, established in 1981 to invest in and manage the Province's interests in petroleum, energy and mineral resources development and related industrial projects. This annual report includes information on the Cohasset/Panuke project, milestones of the Cohasset and Panuke



projects, project descriptions, Nova Scotia offshore, and mineral activities. It provides a financial report.  
AP CO EN NR PR SC

### Nova Scotia statistical review -- 6th ed.

Halifax : Dept. of Industry, Trade and Technology, Statistical Services Branch, 1989. ii, 51 p. CSI 51103.002.  
MICROLOG 90-02049 1 fiche

This review includes statistics on comparative economic performance; population; the labour force; prices and incomes; exports; agriculture; fishing, mining, forestry; capital investment and construction; manufacturing; transportation, communications, and utilities; trade; finance, insurance, and real estate; community, business, and personal services; and public administration and defence.  
AP CO PR SA ST

### NRC B-2400 single cylinder research engine test facility : dynamometer system upgrade

by B.W. Moyes...et al. Ottawa : National Research Council Canada, Division of Mechanical Engineering, Fuels and Lubricants Laboratory, 1990. ix, 49 p. : ill. (Laboratory memorandum ; LM-FL-016)  
MICROLOG 90-06534 1 fiche

A Bombardier B-2400 single cylinder research engine was acquired in 1986 for fuels, lubricants and component research. Initial installation of the hardware began in the winter of 1985/6, with commissioning in January 1987. During the initial tests, persistent failures were experienced on the coupling between the dynamometer and the engine. It was concluded that the dynamometer was too large for this engine application. This report documents the details of the dynamometer upgrade, including system requirements, acquisition program objective, and evaluation tests/results.  
CA PS SC TR

### Nuclear emergency plan, part III : Bruce

Toronto : The Province, 1989. vi, 61 p. : ill. ISBN 0-7729-6352-5  
MICROLOG 90-04756 1 fiche

The Province of Ontario nuclear emergency plan parts I through VIII were developed pursuant to Section 8 of the Emergency Plans Act, 1983. This part III prescribes measures to be taken to deal with a nuclear emergency caused by the Bruce Nuclear Power Development. This plan deals mainly with actions at the provincial level and should be supplemented by the appropriate municipal plan from the Townships of Bruce and Kincardine and the Village of Tiverton. This document gives details on the plan data and organization and measures to be taken for internal and external notification, operations in general and for liquid emissions, and the provision of emergency information and public direction. Appendices detail response sector boundaries, alerting and lead times, outline plan and times for evacuation, the location of emergency facilities, and communications through television, radio and telephone.  
EN ON PR SC

### Nuclear emergency plan, part VI : Enrico Fermi 2

Toronto : The Province, 1989. vii, 81 p. : maps. ISBN 0-7729-6353-3  
MICROLOG 90-04269 1 fiche

Plan dealing with actions to be undertaken at the provincial and municipal levels in Ontario to deal with a nuclear emergency caused by the Enrico Fermi 2 nuclear plant in Monroe County, Michigan, U.S.A. The plan covers the operations of the participating organizations in both Michigan and Ontario; notification; phase I

and II actions; necessary actions in case of liquid emissions; and emergency information and public direction.  
EN ON PA PR SC

### Nuclear emergency plan, part VII : Darlington

Toronto : The Province, 1989. v, 64 p. : ill. ISBN 0-7729-6354-1  
MICROLOG 90-04268 1 fiche

Plan prescribing the measures to be taken to deal with a nuclear emergency caused by the Darlington Nuclear Generating Station. The plan deals mainly with actions at the provincial level, supplemented by those at the municipal level. This plan includes a general municipal plan and joint traffic control plan; data and organization of zones, response sectors, facilities, and telecommunications; notification; phase I and II operations, including evacuation, worker safety, monitoring and restoration; actions to be taken in the case of liquid emissions; and information and public direction, including the establishment of designated media and a local information centre.  
EN ON PA PR SC

### Nuclear strategy in the nineties : deterrence, defence, and disarmament

edited by Alex Morrison. Toronto : Canadian Institute of Strategic Studies, 1989. 111 p. Bibliogr. *Proceedings of the Canadian Institute of Strategic Studies Spring Seminar.* ISBN 0-919769-33-0  
MICROLOG 90-03510 2 fiche (Available on fiche only)

Includes the papers given at the conference which discuss the doctrine of deterrence; the utility of nuclear weapons; strategic defence in the 1990s; the nuclear non-proliferation regime; deterrence postures in the 1990s; the feasibility of non-nuclear defence; and the future of nuclear deterrence.  
● CA CI EX

### Nuclear winter

by L. Bertin. Ottawa : Canadian Institute for International Peace and Security, 1986. 8 p. Bibliogr. (Background paper ; no. 3)  
MICROLOG 90-03252 1 fiche

The term 'nuclear winter' has been used by many scientists to describe what they have come to believe could be the inevitable consequence of any major exchange of nuclear weapons. This paper discusses the theory of nuclear winter, criticisms of the theory, and strategic implications of the theory.  
● CA EX

### Numerical computation of underwater explosions due to fuel-coolant interactions

by J.H.S. Lee...et al. Ottawa : Atomic Energy Control Board, 1989. 116 p. : ill. Bibliogr. (Research report ; INFO-0312)  
MICROLOG 90-01367 2 fiche

If coarse molten material is released into a coolant the possibility exists for a violent steam explosion. A detailed quantitative description of the processes involved in steam explosions is currently beyond the capabilities of the scientific community. However, a conservative estimate of the pressure transients resulting from a steam explosion can be obtained by studying the dynamics of the shock associated with the expansion of a high-pressure vapour bubble. In this study, the hydrodynamic equations governing the shock propagation of an expanding bubble were integrated numerically using the flux corrected transport code. Simpler acoustic models based on experience with underwater explosions were also developed and used to estimate pressure transients and to calculate the peak pressures for benchmark cases. A simplified version of the Henry model was developed by neglecting the complex

description of the 2-phase flow inside the ruptured tube and the arbitrarily assumed heat transfer and condensation rates.  
CA EN PS SC

### Le Numéro d'assurance sociale : la réglementation de son usage

par D. Johansen. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 23 p. Bibliogr. (Etude générale ; BP-206F) L'éd. anglaise (*Social insurance numbers...*) sur la même fiche. ISBN 0-660-92711-X  
MICROLOG 90-01902 1 fiche

Bien que le NAS ait été institué aux fins des régimes fédéraux d'assurance-chômage et de pensions, son utilisation à d'autres fins ne fait l'objet d'aucun contrôle. Ainsi, beaucoup d'organismes fédéraux et provinciaux et d'entreprises privées s'en servent pour tenir leurs banques de données. Ce document traite des restrictions à l'obtention et à l'utilisation du numéro d'assurance sociale (NAS), le moyen d'identification le plus répandu au Canada.  
CA LA

### Nutrient deficiency symptoms in container-grown Douglas-fir and white spruce seedlings

by R. Van den Driessche. S.I. : Forest Resource Development Agreement : Victoria : Ministry of Forests, 1989. vii, 29 p. : ill. Bibliogr. (FRDA report ; 100) ISSN 0835-0752 ISBN 0-7726-1057-6  
MICROLOG 90-03813 1 fiche

Douglas-fir and white spruce were grown in a container nursery at different levels of macro- and micronutrients to produce deficiency symptoms. In 1987, seedlings were grown in 3-13 styroblocks using peat and perlite rooting medium, and each of the macronutrients was applied at 4 levels, including 0. High levels were N=200, P=50, K=100, Mg=50 and S=75 mg L<sup>-1</sup> of nutrient solution. Different levels of Ca were obtained by adding CaCO<sub>3</sub> to the rooting medium. In 1988, seedlings were grown in perlite contained in Leach cells, and deionized water was used for preparing nutrient solutions and for watering. Four levels of the micronutrients Cu, Zn, Mn, Mo, B, and Fe were tested, with the 4th level about 10 times the usually recommended to look for toxicity symptoms.  
● BC CA FO PR SC

### Nutrition and the Hitra disease : the Bjuhn project : a feeding trial with large salmon

by O. Lie...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 21 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5345) Originally published in Norwegian, by the Nutrition Institute of the Fisheries Directorate, at Bergen, Norway. ISSN 0704-3716  
MICROLOG 90-01479 1 fiche

The Bjuhn project studied the significance of nutrition in outbreaks of Hitra disease. A feeding trial with large salmon (average weight 1.4 kg) was started in 10 enclosures in September 1984 and concluded in May 1985. The fish were sampled 8 times at even intervals, with each sample consisting of 20 fishes per group for analysis and another 10 fishes to gather more data on weight and length. The sampling material was complemented by samples of healthy and Hitra-diseased salmon from a commercial fish farm. Analyses were done on blood, livers, whole fish, fillets, and feed.  
● CA CF FI LS SC

### Nutrition recommendations

Canada. Health and Welfare Canada. Scientific Review Committee. Ottawa : Health and Welfare Canada, 1990. 204 p. Bibliogr. French ed. (*Recommandations sur la*



nutrition) : 90-03926/3. ISBN 0-660-13417-9  
MICROLOG 90-03925 3 fiche

In October 1987 two committees were appointed to jointly review and revise nutrition recommendations. This is the report of the Scientific Review Committee and covers the relationship of diet and disease; recommended nutrient intakes for energy, carbohydrates, fibre, lipids, cholesterol, protein, fat-soluble vitamins, water-soluble vitamins, minerals, and electrolytes and water; and some non-essential dietary components, such as alcohol, aluminium, aspartame and caffeine. Recommendations are given.  
CA HE

#### Nutrition recommendations : a call for action

summary report of the Scientific Review Committee and the Communications/Implementation Committee. Ottawa : The Committees, 1989. 15 p. *French ed. (Recommandations sur la nutrition...)* on the same fiche. ISBN 0-662-17369-4  
MICROLOG 90-04344 1 fiche

Nutrition has long been recognized as a key factor in promoting good health and preventing disease. This report summarizes the latest edition of national guidelines that have been a cornerstone of nutrition policies and programs in Canada for almost 50 years. In addition, the report goes on to indicate the action that many sectors can take to assist Canadians in making healthy food choices. This includes governments at all levels, professional and voluntary organizations, food and food service industries and, of course, the consumer.  
CA CI HE

#### NWT labor force survey, winter 1989 : labor force activity, education and language

Yellowknife : Dept. of Culture and Communications, Bureau of Statistics, 1990. vii, 78 p. : ill. (Report ; no. 2)  
CSI 75102.201. ISBN 0-7708-2029-8  
MICROLOG 90-05181 1 fiche

This report presents a detailed examination of labour force activity for each ethnic group by sex and age category. It looks at the relationship between labour force activity and highest level of schooling, and examines languages spoken and labour force activity among native people. In addition, it provides statistical tables for each NWT region.  
LA NO PR ST

#### NWT labor force survey, winter 1989 : wage employment and traditional activities

Yellowknife : Dept. of Culture and Communications, Bureau of Statistics, 1990. viii, 124 p. : ill. (Report ; no. 3)  
CSI 75102.202. ISBN 0-7708-2028-X  
MICROLOG 90-05179 2 fiche

Examines patterns of employment in NWT during 1988; involvement in traditional activities such as hunting and fishing, trapping and northern crafts; and the relationship between traditional activities and employment in the wage economy. It presents information by region, ethnicity, sex, and age.  
LA NO PR ST

#### Objectif : progrès

Ottawa : Affaires indiennes et du Nord Canada, 1989. 13, 11 p. *Bilingue (A Commitment to progress)*. ISBN 0-662-57130-4  
MICROLOG 90-02508 1 fiche

Les Indiens inscrits et les Inuit jouissent d'un statut spécial au Canada en vertu des dispositions de la 'Loi sur les Indiens', des traités, de la Constitution et d'autres lois, tout en ayant les mêmes droits démocratiques que tous les Canadiens. Les Indiens inscrits et les

Inuit du Canada veulent avoir la possibilité de résoudre leurs propres problèmes et de déterminer leur propre évolution culturelle, sociale et économique. Ce document se penche sur cette question en donnant de nombreux renseignements.  
CA NO NP

#### Observance of Human Rights Day, Dec. 10, 1988 : the 40th anniversary of the Universal Declaration of Human Rights : report of Canada to the United Nations

Ottawa : Multiculturalism and Citizenship Canada, Human Rights Directorate, 1989. 28, 32 p. *Bilingual (Célébration de la Journée...)*. ISBN 0-662-57031-6  
MICROLOG 90-02465 1 fiche

This report describes events organised or carried out by federal government departments and agencies and by national non-governmental organizations. It also reports briefly on activities in the Provinces, and mentions actions which occurred in the Territories.  
CA JU

#### Observations of marine mammals by the Norwegian Polar Institute's Svalbard Expeditions of 1981 and 1982

by K.I. Ugland and V. Ree. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 30 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5316) *Originally published in Norwegian, by the Norwegian Polar Institute at Oslo, Norway* ISSN 0704-3716  
MICROLOG 90-02111 1 fiche

Biologists have been working for several years on mapping the living resources in the Svalbard area to give the Norwegian government advice on the management of these resources. Systematic counts of marine mammals and polar bears in the drift ice were initiated on the YME expedition in 1980. This paper presents the observations from the 2 summer expeditions in 1981 and 1982 with LANCE, describing the populations of walrus, ringed seal, harp seal, bearded seal, hooded seal, whales, narwhal, minke whale and fin whale.  
• CA CF FI SC

#### Observations on parasitism of pelagic juvenile fish

by L. Scheuring. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 14 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5120) *Originally published in German, at Leipzig.* ISSN 0704-3716  
MICROLOG 90-00049 1 fiche

Symbiosis and parasitism are 2 types of association with many transitional stages which often make it difficult for an observer to decide in favour of one over the other. This paper focuses on the association between jellyfish (*Cyanea capillata* and *Aurelia aurita*) and juvenile *Gadus merlangus* and *Caranx trachurus*, which usually stay below the mantle of the jellyfish or remain close by.  
• CA CF FI LS SC

#### Observations on the corrosion of zircaloy-2, containing palladium and gold

by C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1962. i, 7 p. Bibliogr. (Report ; PM-I 62-5)  
MICROLOG 90-04667 1 fiche

At the present time, zircaloy-2 is considered to be the most attractive material available for use as fuel sheathing and pressure tubing in water-cooled natural uranium nuclear reactors.

However, to keep up with reactor design, considerable work is being done to develop zirconium alloys with greater strength than zircaloy-2 and with as good or better corrosion resistance. This report describes the effect of additions of 0.062 wt % Pd and 0.106 wt % Au on the corrosion resistance of zircaloy-2 in steam at 400C (750F) and 1500 psi.  
• CA CM NR PS SC

#### Observations on the corrosion of zirconium alloys containing copper and molybdenum

by C.F. Dixon. Ottawa : Dept. of Energy, Mines and Resources, 1961. ii, 20 p. : ill. Bibliogr. (Investigation report ; IR 61-31)  
MICROLOG 90-04517 1 fiche

A program to study zirconium-base alloys containing 1.0 wt% to 2.0 wt% copper with 1.5 wt% to 2.5 wt% molybdenum for possible use in natural uranium fueled power reactors is being conducted. As part of this program, a series of alloys was prepared for corrosion testing in steam at 400C (750F) and 1500 psi. Additions of 0.25 wt% tin and 0.25 wt% iron were made to some Zr-Cu-Mo alloys and the corrosion behaviour of these alloys after heat treating at 750C (1380F) and 850C (1560F) was studied.  
• CA CM NR PS SC

#### Obstacles au commerce interprovincial des produits agro-alimentaires

Conférence interprovinciale des ministres et des sous-ministres de l'agriculture (1989 : Prince Albert, Sask.). Toronto : Secrétariat des conférences intergouvernementales canadiennes, 1989. 5, 4 p. *Bilingue (Interprovincial barriers to trade...)*  
MICROLOG 90-02632 1 fiche

L'éventail de politiques, de programmes et d'organismes canadiens du domaine de l'agriculture dénote le caractère complexe et délicat de la question des obstacles au commerce interne. Ce document vise à réorienter le débat vers la manière dont les ministères provinciaux et fédéral de l'agriculture devraient faire face à la question des obstacles au commerce des produits agro-alimentaires.  
• AG CA CO SC

#### Occupational deafness : disease or workplace problem? The way forward : a workshop

Occupational Deafness : disease or workplace problem? The way forward (1988 : Hamilton, Ont.). Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1988. 51 p. ill. *French ed (La Surdit  professionnelle...)* 90-01133/1. ISBN 0-660-13092-0  
MICROLOG 90-01083 1 fiche

Provides a transcript of the workshop which addressed the following issues: pre-selection, audiometry, job and workplace design as preventive measures, training, and evaluation.  
• CA HE LA

#### Occupational diseases in British Columbia, 1984-88

Victoria : Workers' Compensation Board of British Columbia, 1989. iii, 143 p. CSI 38161.200  
MICROLOG 90-04450 2 fiche

Publication showing data on claims for industrial disease that were accepted for wage loss, but not for claims that were accepted for medical expense but involved no time lost from work or on claims that were not accepted. Diseases are categorized as physical, chemical and biological agents, then specifically by disease, and by type of exposure. Data is broken down by sex, average age, and rate.  
BC HE LA PR ST



### Occupational Health and Safety Professionals : a changing role? A workshop

Occupational Health and Safety Professionals : a changing role? (1988 : Hamilton, Ont.). Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. 48 p. *French ed. (Changement de rôle pour...)* : 90-03321/1. ISBN 0-660-13093-9 MICROLOG 90-01082 1 fiche

This report presents a transcript of the workshop attended by 45 participants representing labour, industry, and most occupational health and safety professions. Presentations cover occupational health and safety delivery systems.

• CA HE LA

### Occupational Health and Safety Statistics Workshops

Occupational Health and Safety Statistics Workshops (1989 : Hamilton, Ont.). Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. 68 p. *French ed. (Ateliers régionaux sur les statistiques...)* : 90-05764/1. ISBN 0-660-13450-0 MICROLOG 90-03623 1 fiche

Papers presented at workshops held in Edmonton, Moncton, and Hamilton to examine the needs of governments, employers, labour and others for statistics pertaining to occupational health and safety, identify improvements which are needed in occupational health and safety statistics, and make specific recommendations to appropriate ministers.

• CA LA

### Occupational inventory of certified engineering technicians and technologists in Manitoba

Dalcor Innovations Ltd. Ottawa : Employment and Immigration Canada, Labour Market Outlook and Structural Analysis Branch, 1987. 53 p. *French ed. (Répertoire de techniciens...)* : 90-00699/1. MICROLOG 90-00698 1 fiche

Report based on the MANSCETT data development project, which includes the development of survey questionnaires and completion of a mail survey of the membership of the Manitoba Society of Certified Engineering Technicians and Technologists, and a computerized inventory of the Manitoba membership including basic biographic, demographic, geographic, education, employment, occupation and industry characteristics. The survey of the members was carried out in December 1986 with follow-up in January and February 1987. The report details the methodology of the survey and the hardware and software used, as well as non-member estimates by type of occupation. Recommendations are given for improvements in various areas of the project.

CA LA MS PS SC

### Occupational radiation exposures in Canada, 1988

Ottawa : Health and Welfare Canada, Environmental Health Directorate, Health Protection Branch, 1990. iv, 60 p. : ill. Bibliogr. *French ed. (Radioexpositions professionnelles...)* on the same fiche. CSI 21112.010. ISBN 0-662-17867-X MICROLOG 90-06856 2 fiche

Eleventh in a series of annual reports on occupational radiation exposures in Canada. The information is derived from the National Dose Registry of the Dept. of Health and Welfare. The report presents, by occupation, average yearly whole body doses by region, dose distributions, and variations of the average doses with time. Data concerning investigations of high exposures reported by the National Dosimetry Services are tabulated in summary

form.  
CA EN LA SC

### Occupational Repetitive Strain Injuries : a workshop

Occupational Repetitive Strain Injuries (1988 : Hamilton, Ont.). Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, Ottawa : National Research Council Canada, Associate Committee on the Occupational Application of Ergonomics Research, 1988. 95 p. : ill. Bibliogr. *French ed. (Lésions attribuables au travail...)* : 90-05334/2. ISBN 0-660-13030-0 MICROLOG 90-01081 2 fiche

Reports on a panel which examined injuries from the perspectives of research, labour, industrial and human engineering, compensation, and medicine.

• CA HE LA

### The Occurrence and mobility of hazardous organic chemicals in groundwater at several Ontario landfills : final report

by J.F. Barker...et al. Toronto : Environment Ontario, 1989. iii, 587 p. : ill. Bibliogr. MICROLOG 90-00234 7 fiche

For the past 4 years, the occurrence of organic contaminants in groundwaters at 6 sanitary landfill sites and at one waste disposal facility in southern Ontario was examined to determine what organics are contaminating groundwaters, how rapidly these contaminants travel and how persistent these organics are. The landfill sites selected represent a variety of hydrogeological conditions, representative of most sanitary landfill sites in southern Ontario. At all sites, the organic compounds found in water that percolated through the fill (leachate) were examined and certain common, toxic and readily-analyzed organics were selected for detailed study. Their distribution was determined by analyzing a large number of groundwaters collected from numerous wells placed to give a good, 3-dimensional picture. Sampling was often repeated through the study to define the variability of concentrations over time. At all sites, the organics chosen included volatile hydrocarbons and volatile aromatics. A technical summary is given of each landfill site.

EV ON PR SC

### The Occurrence of *Myxosoma cerebrales* spores in individual organs of the California trout

by S. Gradjanin and M. Cankovic. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 12 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5300) Originally published in *Serbo-Croatian*, in *Yugoslavia*. ISSN 0704-3716 MICROLOG 90-02115 1 fiche

Salmonid young at fish farms and in open water are particularly threatened by parasites of the phylum Protozoa, on which there is very little information. This paper describes the incidence of myxosomatosis, its causes, the extent and intensity of infestation by spores of *Myxosoma cerebrales* of the brain, the liver, the spleen, the kidneys, and the contents of the intestine during the first year of the fish's life. Four samples, each of 30 specimens of juvenile California trout that exhibited clinical signs of myxosomatosis were examined by the native preparation method between July and December and dissection and microscopic examination were carried out.

• CA CF FI LS SC

### Ocean Dumping Control Act : Annual report 1987-88

Ottawa : Environment Canada, 1989. 32, 33 p. Bilingual. Cover title: *Keeping the ocean clean*. CSI 21111.004. ISBN 0-662-56994-6 MICROLOG 90-02141 1 fiche

The Ocean Dumping Control Act (ODCA) was passed in 1975 to reflect Canada's commitment to marine environmental quality and to fulfill international obligations under the London Dumping Convention (LDC). The ODCA is part of Environment Canada's regulatory mandate. This annual report covers permits issued in the calendar year 1987, current permit trends and a forecast of 1989, a review of major enforcement and compliance activities; a review of ocean dumping research; and highlights of recent and upcoming LDC activities. The report also covers trends in dredging in the Atlantic and Pacific regions, the Arctic region, and in the Quebec region. Forecasts are given for dredging operations in the Miramichi River, New Brunswick and at Cap-aux-Meules, Quebec and in agriculture, solid waste disposal, disposal of sewage sludge, incineration at sea and radioactive wastes.

CA EV SC ST

### Oceanic changes associated with global increases in atmospheric carbon dioxide : a preliminary report for the Atlantic coast of Canada

by D.G. Wright...et al. Dartmouth, N.S. : Dept. of Fisheries and Oceans, Bedford Institute of Oceanography, Biological Sciences Branch, Marine Fish Division, 1986. vii, 78 p. : ill., maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1426) ISSN 0706-6457 MICROLOG 90-00683 1 fiche

Examination of possible changes in the marine environment which may influence the Atlantic Canadian fisheries industry. The report describes the ocean as it is today, including the current understanding of the dynamics that determine this state, and then, based on this framework, puts together a scenario of possible tendencies associated with predicted atmospheric changes. Changes in atmospheric conditions predicted for a doubling of atmospheric CO<sub>2</sub> concentrations are summarized, possible changes in the large-scale temperature and salinity structure of the North Atlantic Ocean are considered, possible changes in sea-ice conditions are discussed, the wind-driven circulation of the North Atlantic ocean are considered, and changes in the physical oceanographic conditions on the continental shelves are considered. Some of the problems facing modellers who attempt to predict changes in the Earth's atmosphere-ocean-cryosphere system are considered.

AP CA CF EV NR PS SC

### Oceanographic and meteorological observations from the Hibernia region of Newfoundland Grand Banks

by B. Petrie and D. Warnell. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 270 p. : ill., maps. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 69) ISSN 0711-6721 MICROLOG 90-06586 3 fiche

Report on the oceanographic and meteorological aspects of the Grand Banks, taken from current meter time series primarily from Hibernia, satellite-tracked drifter trajectories for the Grand Banks, sea level data from St. John's, hydrographic observations at Station 27, and wind observations from St. John's generally covering 1980-84. Maps of the mean currents for 3 depth intervals are presented, along with current, temperature and salinity time series for 3 depth intervals and for the total water depth less than and exceeding 100 m. Maps are also presented for mean, maximum and variable currents. Sea level and adjusted sea level data from St. John's are given, along with wind speed and direction data for 1980-86.

• AP CA CF NR PS SC



**Oceanographic observations during LIMEX, March, 1987**

by C.L. Tang. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. vii, 202 p. : ill., maps. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 72) ISSN 0711-6721  
MICROLOG 90-05520 3 fiche

During the winter and spring months, the waters of the northern Grand Banks and the Newfoundland Shelf are covered with sea ice, which, under severe conditions, can interfere with offshore drilling operations and hamper marine shipping. For planning of safe offshore operations, it is important to understand the dynamics of ice movement and to develop techniques to predict the extent of ice cover. In March 1987, a multi-disciplinary research program (LIMEX) was launched to collect field data for a number of sea ice studies. An expedition to the Newfoundland Shelf on CSS BAFFIN was organized in conjunction with an aircraft program of the remote sensing study based at Gander, Newfoundland. Data collected on BAFFIN include wind, ocean current, temperature and salinity under ice and in the open ocean, and ice drift. This report presents graphs of the data and gives information about the methods of data collection and data processing.

• AP CA CF NR PS SC

**Office automation and productivity : status report**

by G. Wybouw, R. Kanaan and R. Blake. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1987. 47 p. Bibliogr. ISBN 0-662-16251-X  
MICROLOG 90-02336 1 fiche

This report presents the results of research which looked at productivity measurement in an office automation environment. It gives a brief summary of what productivity is and describes the various approaches and schools of thought. CA LA PS SC

**Office de la sécurité du revenu des chasseurs et piégeurs cris (Québec) : Rapport annuel 1988-89**

Sainte-Foy, Québec : l'Office, 1989. 35 p. Bilingue. CSI 67195.001.  
MICROLOG 90-04729 1 fiche

Présente le rapport annuel des activités de l'Office de la sécurité du revenu des chasseurs et piégeurs cris pour l'exercice financier se terminant le 30 juin 1989. De plus, il décrit sommairement l'organisation administrative de l'Office, résume les résultats de l'année 1988-89 et comprend les résultats financiers pour cette même année.  
CU NP PR QU

**Office de planification et de développement du Québec : Rapport annuel 1988-89**

Québec : l'Office, 1989. 50 p. CSI 67250.001. ISSN 0708-4536 ISBN 2-551-12226-0  
MICROLOG 90-05088 1 fiche

Les fonctions majeures de l'Office gravitent autour de 3 axes principaux, soit la coordination de l'action gouvernementale en région, la concertation des agents de développement socio-économiques et la planification de politiques gouvernementales régionales. Ce rapport décrit les diverses activités et les principales réalisations des directions centrales et régionales de l'Office.  
CO PR QU

**Office des personnes handicapées du Québec : Rapport annuel 1986-87**

Québec : l'Office, 1989. 49 p. CSI 67213.001. ISSN 0710-6785 ISBN 2-551-08355-9  
MICROLOG 90-01004 1 fiche

L'Office des personnes handicapées du Québec a pour mandat de veiller à la coordination des services dispensés aux personnes handicapées, d'informer et de conseiller les personnes handicapées, de promouvoir leurs intérêts, et de favoriser leur intégration scolaire, professionnelle et sociale. Ce document présente le rapport annuel de l'Office des personnes handicapées du Québec. On y aborde l'Office, les services éducatifs, le travail, le plan de services et l'aide matérielle, la promotion des droits et l'organisation administrative.  
PR QU SA ST

**Office des personnes handicapées du Québec : Rapport annuel 1987-88**

Québec : l'Office, 1988. 60 p. CSI 67213.001. ISSN 0710-6785 ISBN 2-551-08505-5  
MICROLOG 90-05271 1 fiche

L'Office des personnes handicapées du Québec a pour mandat de veiller à la coordination des services dispensés aux personnes handicapées, de les informer et de les conseiller, de promouvoir leurs intérêts et de favoriser leur intégration scolaire, professionnelle et sociale. Ce rapport annuel décrit les principales activités de l'Office en 1987-88. Les domaines suivants sont approfondis: la conférence 'A part égale', le retour et le maintien dans le milieu, les services éducatifs, le travail, le plan de services et d'aide matérielle, la promotion des droits et l'organisation administrative.  
PR QU SA ST

**Office des professions du Québec : Rapport annuel 1988-89**

Québec : l'Office, 1989. 36 p. CSI 67151.001. ISSN 0702-0791 ISBN 2-551-12225-2  
MICROLOG 90-05277 1 fiche

L'Office des professions du Québec est un organisme de surveillance dont la finalité est d'assurer la protection du public par la régulation des professions. Ce rapport annuel contient des informations générales sur l'Office, sur les ressources humaines et financières, ainsi que sur les activités de l'Office. En annexes, on donne le nombre de membres de chaque corporation professionnelle selon le sexe et selon la région, et aussi un tableau de données financières.  
LA PR QU ST

**Office des provendes du Canada : Rapport annuel 1987-88**

Montréal : l'Office, 1989. 36, 36 p. : ill. Bilingue. CSI 22243.001.  
MICROLOG 90-00918 1 fiche

Etabli en 1967, l'Office a pour mission d'assurer a) la disponibilité des provendes dans l'est du Canada et en Colombie-Britannique, b) un espace d'emménagement suffisant pour les provendes dans l'est du Canada, et c) une stabilité raisonnable et une péréquation équitable de prix des provendes dans l'est du Canada, en Colombie-Britannique, au Yukon et dans les Territoires du Nord-Ouest. Ce rapport annuel aborde les sujets suivants: les activités de l'Office; la consommation, la production céréalière, les expéditions et les taux du transport ferroviaire; les prix et les moyennes mensuels ainsi que les tarifs ferroviaires du transport des céréales; et les éléments financiers tels l'état des résultats, l'état de l'avoir et l'évolution de la situation financière.  
AG CA CO SC ST

**Office des provendes du Canada : Rapport annuel 1988-89**

Ottawa : l'Office, 1989. 36, 36 p. : ill. Bilingue. CSI 22243.001.  
MICROLOG 90-07244 1 fiche

L'Office est une société de la Couronne qui a pour objet d'assurer: la disponibilité des provendes dans l'est du Canada et en Colombie-Britannique, un espace d'emménagement

suffisant pour les provendes dans l'est du pays, une stabilité raisonnable et une péréquation équitable des prix des provendes dans l'est du Canada, en Colombie-Britannique, au Yukon et dans les Territoires du Nord-Ouest. Ce rapport annuel renferme un résumé des activités de l'Office ainsi qu'une analyse de la situation de l'agriculture au Canada et dans le monde, relativement à l'approvisionnement en céréales fourragères, à leur utilisation et à leurs prix. Inclut aussi les états financiers.  
AG CA CO SC ST

**Office du crédit agricole du Québec. Fonds d'assurance-prêts agricoles et forestiers : Rapport annuel 1988-89**

Québec : le Fonds, 1990. 21 p. CSI 67157.001. ISSN 0828-6671 ISBN 2-551-14052-8  
MICROLOG 90-05089 1 fiche

Le Fonds a pour rôle d'assurer aux prêteurs le remboursement des pertes résultant des prêts consentis depuis le 1er août 1978 en vertu des 7 lois suivantes: la Loi favorisant le crédit agricole à long terme par des institutions privées, la Loi sur le crédit agricole, la Loi favorisant l'amélioration des fermes, la Loi favorisant le crédit à la production agricole, la Loi sur le financement agricoles, la Loi sur le crédit forestier et la Loi favorisant le crédit forestier par les institutions privées. Ce rapport présente un sommaire des activités pour l'exercice terminé le 31 mars 1989.  
AG CO FO PR QU SC

**Office du crédit agricole du Québec. Fonds d'assurance-prêts agricoles et forestiers : Rapport annuel 1989-90**

Québec : le Fonds, 1990. 20 p. CSI 67157.001. ISSN 0828-6671  
MICROLOG 90-07323 1 fiche

Le Fonds a pour rôle d'assurer aux prêteurs le remboursement des pertes résultant des prêts consentis depuis le 1er août 1978 dans le cadre des lois administrées par l'Office. Ce rapport présente un sommaire des activités pour l'exercice terminé le 31 mars 1990 ainsi que les états financiers.  
AG CO FO PR QU SC

**Office du crédit agricole du Québec : Rapport annuel 1988-89**

Québec : l'Office, 1990. 32 p. CSI 67152.003. ISSN 0828-6663 ISBN 2-551-14051-X  
MICROLOG 90-05276 1 fiche

Présente le rapport annuel de l'Office du crédit agricole du Québec pour l'exercice financier se terminant le 31 mars 1989, relativement aux programmes de financement agricole et de financement forestier. De plus, le document donne des statistiques sur ces programmes ainsi que les états financiers s'y rapportant.  
AG PR QU SC ST

**Office du crédit agricole du Québec : Rapport annuel 1989-90**

Québec : l'Office, 1990. 34 p. CSI 67152.003. ISSN 0828-6663 ISBN 2-551-14193-1  
MICROLOG 90-07261 1 fiche

Ce document présente le rapport annuel de l'Office du crédit agricole du Québec pour l'exercice financier se terminant le 31 mars 1990, relativement aux programmes de financement agricole et de financement forestier. Il porte principalement sur les points suivants: l'Office et ses programmes; l'Office en général; le programme de financement agricole; le programme de financement forestier; les informations statistiques; les statistiques sur le financement agricole, les statistiques sur le financement forestier; les états financiers; le financement forestier; et, les bureaux de l'Office du crédit agricole du Québec.  
AG CO PR QU SC ST



**Office franco-québécois pour la jeunesse : Rapport annuel 1988**

Montréal : l'Office, 1989. 18 p.  
CSI 67268.001.  
MICROLOG 90-06069 1 fiche

L'Office franco-québécois pour la jeunesse a pour but de favoriser les échanges entre les jeunes du Québec et ceux de la France. Ce rapport annuel comprend les éléments suivants les activités durant l'année, les caractéristiques des stagiaires du Québec, la liste des stages et les états financiers accompagnés du rapport des véritables.  
CU ED PR QU ST

**Office national des transports du Canada : Rapport annuel 1989**

Ottawa : l'Office, 1990. 73, 69 p. : ill. Bilingue.  
CSI 22207.003. ISBN 0-662-57149-5  
MICROLOG 90-05502 2 fiche

Ce document présente le deuxième rapport annuel de l'Office national des transports du Canada (ONT) qui a été créé le 1er janvier 1988 par la Loi de 1987 sur les transports nationaux. Il porte particulièrement sur le règlement des différends; l'entrée sur le marché et l'analyse du marché, les enquêtes sur les chemins de fers et les productoducs, les subventions au transport, et, les services internes

• CA SC ST TR

**Office occupancy patterns : office occupancy study for the central area of the City of Toronto**

Royal LePage Commercial Real Estate Services. Real Estate Consulting Services. Toronto : Toronto Planning and Development Dept., 1990. ix, 38 p. : ill. On cover  
Cityplan '91. 8. CSI 89181.222  
MICROLOG 90-06895 1 fiche

This study presents an analysis of tenant profile data, and examines the vacancy level in former premises. It also provides a discussion of historic and projected office occupancy patterns.  
MU ON PL ST

**The Office of the Commissioner of Official Languages : a twenty-year chronicle from 1970 to mid-1989**

by M. Héroux. Ottawa : Office of the Commissioner of Official Languages, 1989. v, 46, v, 49 p. Bibliogr. Bilingual (Histoire du Commissariat aux...)  
MICROLOG 90-04879 2 fiche

Presents a history of the Office highlighting its successes and failures. The first part relates the major events in each of the three Commissioners' seven-year terms, taking a chapter for each. The second part examines various facets of the institution, making comparisons and cross-references. The study is largely based on the annual reports of successive Commissioners.  
CA CU

**Office of the Information and Privacy Commissioner/Ontario : Annual report 1988**

Toronto : The Office, 1989. 94 p. : ill. French ed. : 90-00554-2. CSI 56239.001.  
MICROLOG 90-00553 2 fiche

The report contains the Commissioner's message, the Commissioner's mandate, a review of practices and procedures, and an effectiveness review  
JU ON PA PR ST

**Office space characteristics : metropolitan region, 1988**

Toronto : Metropolitan Toronto Planning Dept., Research Division, 1989. 83 p. : ill., maps

CSI 89187.003  
MICROLOG 90-02415 1 fiche

The purpose of this report is to analyze office space characteristics in the Metropolitan Region based on the Office Data Bank. It monitors the extent, nature and location of office space development and its related employment distribution, and identifies potential locations for new office developments. Finally, it provides background material for analytical and economic based studies while assisting in the development of alternative future scenarios of growth.  
MU ON PL

**Official languages : Annual report 1988-89**

Ottawa : Dept. of the Secretary of State of Canada, 1989. xi, 97, xi, 103 p. : ill. Bilingual (Langues officielles...)  
CSI 21120.003. ISBN 0-662-57137-1  
MICROLOG 90-02599 3 fiche

This document presents the annual report on the questions relevant to the mission of the Secretary of State. It discusses the new Act and official languages policy renewal, and program renewal and the 1988-89 fiscal year.  
CA PA ST

**Official Languages Act**

by J.-C. Ducharme. Ottawa : Library of Parliament, Research Branch, 1988. 12 p. (Background ; BP-184E) French ed. (Loi sur les langues officielles) on the same fiche.  
ISBN 0-660-13289-3  
MICROLOG 90-01908 1 fiche

This publication analyzes the preamble, the purpose of the Official Languages Act, and definitions. It also examines the various parts of the Act relating to issues such as proceedings of parliament, legislation, justice, services to the public, language of work and the Commissioner of Official Languages.  
CA CI JU

**Official languages in federal institutions : Annual report 1988-89**

Ottawa : Treasury Board, 1989. 59, 59 p. : ill. Bilingual (Les Langues officielles...)  
CSI 21124.005. ISBN 0-662-57060-X  
MICROLOG 90-03184 2 fiche

This report focuses on the Treasury Board's responsibilities under the Act for the overall direction and co-ordination of the programs in federal institutions dealing with three interrelated components: service to the public, language of work, and participation of English-speaking and French-speaking Canadians.  
CA CI PA

**Official Plan for the Peel planning area**

Peel (Ont. : Regional municipality). Brampton, Ont. : The Regional Municipality, 1988. x, 109 p. : maps, fold. maps.  
MICROLOG 90-04226 2 fiche

This Plan outlines the strategy for long-term growth and development of Peel Region. The Plan includes an introduction, giving the scope of the Plan, its legal status, and amendments; the goals and objectives for the region, including environmental management, mineral resources, agricultural resources, heritage resources, economic development, housing, social development and public health, utilities, and transportation, details of natural resources and environmental management, the regional infrastructure and its effect upon the water supply and sewer services, waste management and transportation, and guidelines and implementation of development. Appendices include a social development strategy, a health strategy, a strategy for affordable rental housing, noise exposure guidelines, and a list of sanitary landfill sites  
MU ON PL SC

**Official plan of the Regional Municipality of Ottawa-Carleton, 1989**

Ottawa-Carleton (Ont.). Ottawa : The Municipality, 1989. 88 p. : maps. Fold. maps not filmed  
MICROLOG 90-00543 2 fiche

The plan contains a regional development strategy, and a strategy for the urban area, and the rural area. It covers resource area policies, housing, environmental constraints, river corridors, the visual environment and heritage resources, environmental protection, and transportation.  
MU ON PL

**Official population list, 1989**

Edmonton : Alberta Municipal Affairs, Municipal Services Branch, 1989. 7 p. CSI 34112.003.  
MICROLOG 90-00355 1 fiche

Presents population information for cities, towns, villages, and summer villages and includes for each the date the census was taken.  
AL MU PR SA ST

**L'Offre en transport et les changements d'utilisation fonctionnelle du sol à Montréal entre 1964 et 1983**

par J.-P. Rodrigue. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 36 p. : ill. Bibliogr. (Publication ; no. 665)  
MICROLOG 90-01612 1 fiche

Dans la recherche sur les transports, la modélisation est une procédure souvent employée pour tenter d'apporter des réponses à des hypothèses de comportement dans une situation aux paramètres définis. Une des lacunes de cette méthodologie est l'absence de considération des implications à l'échelle spatiale du réseau de transport étudié. Cet article propose l'intégration du concept de l'offre en transport aux changements de l'utilisation fonctionnelle du sol à Montréal pour trois types de transport routier urbain: le transport privé, le transport en commun et le transport de marchandise. Des équations pour déterminer l'offre en transport selon la distance des infrastructures sont également élaborées.  
PR QU SC TR

**L'Offre et la demande dans l'industrie du taxi au Québec : caractéristiques de l'offre et de la demande**

par M. Trudel. Québec : Gouvernement du Québec, Ministère des transports, 1988. viii, 71 p. Bibliogr. (Etudes et recherches en transports) (Socio-économie des transports) ISBN 2-550-18519-6  
MICROLOG 90-04238 1 fiche

Cette étude présente les résultats de deux sondages réalisés auprès des exploitants de taxi et d'un relevé des appels reçus par les compagnies de service de taxi du Québec. Ces données permettent de préciser la disponibilité du service offert à la clientèle et l'importance économique de cette industrie de transport.  
CO PR QU SC TR

**Les Oignons**

par M. Valk. Toronto : Ministère de l'agriculture et de l'alimentation, 1989. 35 p. : ill. L'éd. anglaise (Onions) sur la même fiche. ISBN 0-7729-6166-2  
MICROLOG 90-04463 1 fiche

L'oignon a été cultivé par l'homme depuis la nuit des temps. C'est probablement en Asie mineure et dans le bassin méditerranéen que sa culture est d'abord apparue. Depuis, de nombreuses sortes d'oignons ont été mises au point pour répondre aux préférences particulières des consommateurs et aux différentes conditions de croissance que l'on



trouve aux quatre coins du monde. Ce document se penche sur les semences, le sol, la nutrition, l'irrigation, la culture et le désherbage, les différentes productions d'oignons et d'oignonsnets, la récolte, l'entreposage, et la lutte contre les insectes et les maladies.  
AG ON PR SC

#### Oil and gas exploration, drilling and production summary, 1986

by T.R. Carter. Toronto : Ministry of Natural Resources, 1989. iv, 132 p. (Oil and gas paper ; no. 9) CS1 55116.009. ISSN 0229-8074  
MICROLOG 90-00837 2 fiche

This annual summary was compiled from records submitted by licensed operators and covers the calendar year 1986. The report covers leasing licenses and activity onshore in southwestern Ontario, offshore in Lake Erie, and in the Hudson and James Bay lowlands; geophysical and geochemical activity; drilling licenses, permits and activity; production of oil and natural gas; and natural gas and salt cavern storage. An explanation of the operations and organization of the Section are included, as well as a listing of licenses issued and a summary of wells drilled.  
EN NR ON PR PS SC ST

#### Oil and gas fiscal regimes of the western Canadian provinces

Edmonton : Alberta Energy, Projects and Supply Development Division, Conventional Oil, Gas and Coal Branch, 1988. 33 p. ISBN 0-86499-467-2  
MICROLOG 90-02493 1 fiche

This report compares the fiscal regimes in British Columbia, Alberta, Saskatchewan and Manitoba. Since 1985, federal and provincial governments have made numerous fiscal changes, many in response to the drop in world oil prices. The new fiscal policies generally have reflected governments' willingness to forego revenues in an effort to aid the oil and gas industry, with certain exemptions. The federal government has also begun the tax reform process, the full effects of which have yet to be realized. In this document, the existing corporate tax regime is described. A comparison of fiscal regimes must recognize the differing scale and nature of oil and gas operations among the 4 provinces, with Alberta accounting for 80-90% of Canada's oil and gas productions, while British Columbia, Saskatchewan and Manitoba are much smaller producers. The document describes Crown royalties and incentives and freehold taxes for each type of fuel (crude oil, natural gas, natural gas byproducts, nonconventional oil).  
AL CO EN PR SC

#### Oil and gas in Alberta : an uncertain future : a discussion paper

prepared by Energy and Non-renewable Resources Sub-Committee, Public Advisory Committees to the Environment Council of Alberta ; for the Alberta Conservation Strategy Project. Edmonton : Environment Council of Alberta, 1989. vii, 53 p. : ill. Bibliogr.  
MICROLOG 90-02294 1 fiche

The demand for Alberta's oil and gas resources has been a major factor behind the province's economic growth in recent decades. The province has also experienced the effects of an economic recession when petroleum prices declined dramatically. This paper discusses Alberta's oil and gas resources, their development and economic significance, and the supply of and demand for these resources. Oil and gas reserves cannot be developed without interactions with other resources and resource users. These impacts are discussed, as well as the legislative framework within which development occurs. The paper

concludes with a section on managing Alberta's non-renewable resources for the future and some ideas for an energy strategy. A glossary is included.  
AL EN NR PR SC

#### Oil Crops : proceedings

edited by Abbas Omran. Ottawa : International Development Research Centre, 1989. xi, 332 p. : ill. Bibliogr. (Manuscript report ; 252e)  
MICROLOG 90-03843 4 fiche (Available on fiche only)

The Oilcrops Network was established in 1981 by the International Development Research Centre (IDRC) to serve, advise, and co-ordinate the efforts of oilcrop scientists of the IDRC-supported projects in eastern/southern Africa and South Asia. Four subnetworks were established in 1987, dealing with brassica, sunflower, sesame, and other oilcrops. This volume includes the proceedings of the 2nd meeting of the brassica subnetwork, the first meeting of the other oilcrops subnetworks, and the first meeting of the oilcrops network steering committee. A number of papers were presented at each of these meetings, dealing with oilseed crops in India, Egypt, Ethiopia, Kenya, Cyprus, Shanghai, Nepal, Bhutan, Pakistan, Bihar, and Bangladesh. Papers cover research into varieties of oilseed crops, pests and diseases, and production.  
AG CA EX SC

#### The Oil Heating Association of Canada clean air program, phase I : facilities, techniques and procedures

by T.D. Brown. Ottawa : Dept. of Energy, Mines and Resources, 1973. ii, 17 p. : ill. Bibliogr. (Investigation report ; IR 73-32)  
MICROLOG 90-04520 1 fiche

First in a series of reports describing the results obtained in an investigation to document the performance of available residential oil burning equipment in typical space and hot water heating applications in Canada. The report describes the program, facilities, measurement techniques, and test procedures developed.  
• CA CM EN EV SC

#### The Oil Heating Association of Canada clean air program, phase II : evaluation of burners with high-speed motors in warm-air furnaces

by T.D. Brown. Ottawa : Dept. of Energy, Mines and Resources, 1973. iii, 24 p. Bibliogr. (Investigation report ; IR 73-33)  
MICROLOG 90-04521 1 fiche

Report containing the primary data and evaluation of the tests carried out on the Grimsby and Anthes warm-air furnace on two burners only. The Beckett Model AF and the Aero Model F-AFC were tested with 3450-rpm motors and were operated with and without slip clutches.  
• CA CM EN EV SC

#### The Oil Heating Association of Canada clean air program, phase III : evaluation of burners with slow-speed motors in warm-air furnaces

by T.D. Brown. Ottawa : Dept. of Energy, Mines and Resources, 1973. iv, 42 p. : ill. Bibliogr. (Investigation report ; IR 73-70)  
MICROLOG 90-04522 1 fiche

Description of tests done with the Grimsby and Anthes warm-air furnaces using 4 burners equipped with low-speed (1725 rpm) motors. Tests were done for the smoke index, flue gas losses, nitric oxide emissions, carbon monoxide production and combustion performance.  
• CA CM EN EV SC

#### The Oil Heating Association of Canada clean air program, phase IV : evaluation of burners with high and low speed motors in a domestic hot-water boiler

by T.D. Brown. Ottawa : Dept. of Energy, Mines and Resources, 1974. iv, 31 p. : ill. Bibliogr. (Investigation report ; IR 73-43)  
MICROLOG 90-04523 1 fiche

Phase IV of the project presents performance characteristics of 6 test burners in a hot-water boiler and preliminary comparisons of the data with that obtained for the warm-air furnaces. Tests were conducted for combustion performance at the standard draft and modified draft conditions, smoke production, carbon monoxide production, nitric oxide emissions, and flue gas losses.  
• CA CM EN EV SC

#### The Oil Heating Association of Canada clean air program, phase V : evaluation of burners with high and low speed motors in a domestic hot water heater

by T.D. Brown. Ottawa : Dept. of Energy, Mines and Resources, 1974. iv, 28 p. Bibliogr. (Investigation report ; IR 74-45)  
MICROLOG 90-04524 1 fiche

Phase V of the project presents a performance evaluation of 6 test burners in a domestic hot water heater manufactured by Aero Tool Co. and equipped with a ceramic fibre combustion chamber. Tests were conducted for combustion performance at standard and modified draft conditions, smoke production, carbon monoxide production, nitric oxide emissions, and flue gas losses and recovery rate.  
• CA CM EN EV SC

#### Oil pipeline performance review, 1986

S.I. : Canadian Petroleum Association, Pipeline Division, 1986. 23 p. CS1 99512.004.  
MICROLOG 90-03302 1 fiche (Available on fiche only)

All liquid hydrocarbon pipelines in Canada, including crude oil, refined products and High Vapour Pressure (HVP) lines were requested to participate in an industry analysis by submitting voluntary, confidential performance and failure reports. Pipelines included in this review fall within the scope of Canadian Standards Association Standard Z183-M86, oil pipeline transportation systems. However, only oil lines downstream of production facilities and refined petroleum product lines are covered. Multi-phase lines, producer operated pipelines and flow lines now included in Z183-M86 are not covered. Incidents resulting in a spill of 1.5 cu m or more of oil, or any amount of HVP material, and any incident involving an injury, a death, a fire, or an explosion are classified as reportable. A list of participating pipelines is included.  
• CA EN PS SC TR

#### Oil pipeline performance review, 1988

S.I. : Canadian Petroleum Association, Pipeline Division, 1989. 19 p. : ill. CS1 99512.004.  
MICROLOG 90-04903 1 fiche (Available on fiche only)

All liquid hydrocarbon pipelines in Canada, including crude oil, refined products and high vapour pressure (HVP) lines are requested to participate in this industry analysis by submitting voluntary, confidential performance and failure reports. Pipelines included fall within the scope of CAN3-Z183-M86, oil pipeline transportation systems. However, only oil lines and high vapour pressure pipelines downstream of production facilities and refined petroleum



product lines are covered. Incidents resulting in a spill of 1.5 cu m or more of oil, or any amount of HVP material, and any incident involving an injury, a death, a fire, or an explosion are classified as reportable. A 10-year historical review is also given.

• CA EN SC ST

### Oil Sands Geology Forum

Oil Sands Geology Forum (2d : 1989 : Calgary, Alta.). Edmonton : Alberta Research Council, Alberta Geological Survey ; Alberta Dept. of Energy, Alberta. Oil Sands Technology and Research Authority, 1989. 64 p. : ill. Bibliogr. MICROLOG 90-05581 1 fiche

Papers presented at the forum, giving results from the reservoir analysis program and from the resource characterization program. Reservoir analysis studies reservoirs in detail to develop new methodologies for application to enhanced oil recovery, including integration of geological studies with the petrographic image analysis of pore systems. The resource characterization program covers strategic geology research, primarily the AOSTRA underground test facility, and including mapping the AOSTRA lease and surrounding area and delineating reservoir characteristics and developing exploitation strategies.

AL EN NR PR PS SC

### Oil spill debris separation tank, for recovered spilled fluids

Prairie Regional Oil Spill Containment and Recovery Advisory Committee. Research and Development Subcommittee. Calgary, Alta. : Canadian Petroleum Association, 1989. 6 p. : ill., fold. ill. MICROLOG 90-04405 1 fiche (Available on fiche only)

Brief description of a separation tank to handle spilled liquids collected during a spill response. The tank cleans rocks, sticks, grass and other debris from recovered spillsite fluids, thereby enabling the majority of the resulting oil/water mixture to be processed through company facilities rather than being hauled to reclaimers.

• CA EN EV SC

### Oil spill preparedness in the upstream petroleum industry

S.I. : Canadian Petroleum Association ; Independent Petroleum Association of Canada, 1989. ix, 116 p. Bibliogr. MICROLOG 90-03394 2 fiche (Available on fiche only)

Assessment of the Canadian upstream petroleum industry's current state-of-preparedness for dealing with oil spills resulting from exploration and producing activities. The study uses realistic worst case scenarios to assess the industry's ability to respond to large offshore spills caused by oilwell blow-outs in the Beaufort Sea, Grand Banks, and Scotian Shelf areas during drilling and onshore oil spills from a variety of sources. It does not address future production scenarios in the Beaufort Sea, off the east coast or future exploration activities off the west coast.

• AP CA EN EV NO SC

### Les Oiseaux menacés du Québec

par M. Robert. Québec : Association québécoise des groupes d'ornithologues ; Ottawa : Environnement Canada. Service canadien de la faune, 1989. ix, 109 p. : ill. Bibliogr. ISBN 2-9801553-0-6 MICROLOG 90-06691 2 fiche

En novembre 1988 le Service canadien de la faune, dans le cadre du Plan d'action Saint-Laurent, mandait l'Association québécoise des groupes d'ornithologues pour faire le bilan des espèces d'oiseaux menacées du Québec en accordant une attention particulière au corridor du Saint-Laurent. Cette étude résulte de ce mandat et vise à évaluer, à partir de la littérature et de diverses banques de données,

la situation des espèces d'oiseaux du Québec et à classer ces dernières dans l'une des catégories suivantes : espèces vulnérables, menacées, en danger, extirpées, disparues et non retenues.

EV LS PR QU SC

### Oldman River Dam design report, vol. 1 -- Updated

prepared by UMA Engineering Ltd. ; in association with Acres International Limited. Edmonton : Alberta Public Works, Supply and Services, 1988. xiii, 163 p. : ill., fold. maps. Bibliogr. MICROLOG 90-03848 3 fiche

The Oldman River Dam project will provide slow regulation and onstream storage of a dependable supply of water which will permit multi-purpose use and irrigation service area expansion in southern Alberta. This report presents the concepts, criteria, parameters and methods used to design the earth and rock fill dam across the river valley; the earth fill dyke located across the low saddle to the northeast of the dam; the excavation of the spillway approach channel and for the spillway headworks, chute, flip bucket and plunge pool; the drainage tunnels in both river banks, which will also provide access to the reservoir control valve chamber; the grout curtain from west of the spillway, across the river valley along the dam axis and to the east of the valve chamber; the five road embankments; parts of the permanent road across the top of the dam, dyke and spillway approaches; and instrumentation to measure the performance of the dam. This report supplements the preliminary engineering report (1986) and supersedes the design brief for these structures, first issued in 1986.

AG AL PL PR PS SC

### Oldman River Dam design report, vol. 2 : appendix B -- Updated

prepared by UMA Engineering Ltd. ; in association with Acres International Limited. Edmonton : Alberta Public Works, Supply and Services, 1988. 502 p. : ill., maps. Bibliogr. Fold. maps not filmed. MICROLOG 90-03849 6 fiche

Summary of the findings of all geological and geotechnical site investigations and laboratory testing regarding the shear strength aspects of bedrock, overburden and fill materials for the dam, dyke and spillway, in particular the design assessment carried out to evaluate the shear strength of seams within the bedrock foundation. The information is used to determine the design seams and their shear strength parameters as used in the stability analyses.

AG AL PL PR PS SC

### Oldman River Dam design report, vol. 3 : appendix C -- Updated

prepared by UMA Engineering Ltd. ; in association with Acres International Limited. Edmonton : Alberta Public Works, Supply and Services, 1988. 165 p. : ill. Bibliogr. MICROLOG 90-03850 4 fiche

Analysis of the stability of the Oldman River dam and dyke for both static and earthquake induced dynamic loading conditions. The conventional 2-dimensional static limit equilibrium method of slices was used to calculate the safety factors against shear failure of the dam and dyke during the conditions that will exist in the embankment at the end of dam construction, during steady state seepage, during rapid reservoir drawdown, and following an earthquake. The last condition was analyzed using a pseudo-static seismic simulation of the earthquake loading. A static non-linear finite element analysis of the stresses that will exist at the end of dam construction was done to examine the stress transfer between the core and the shells of the dam, to determine if hydraulic fracturing of the core

might occur, to check that no continuous overstressed zones will exist and to provide basic input to the dynamic analysis on the stress-deformation condition prior to the application of seismic loading. The ability of the dam to resist seismic forces was analyzed using a rigorous dynamic finite element program which incorporates strain dependent shear modulus and damping parameters. The results were compared with the simplified earthquake induced permanent displacement approach and the pseudo-static limit equilibrium method.

AG AL PL PR PS SC

### Oldman River Dam Project : review of Greggs & Associates report

prepared for Alberta Public Works, Supply and Services ; by UMA Engineering Ltd. ; in association with Acres International Limited. Edmonton : UMA Engineers Ltd. ; Acres International Limited, 1989. 161 p. : ill., maps. Bibliogr. MICROLOG 90-03810 2 fiche

A report on the bedrock structure of the Oldman River dam site area was prepared by Dr. R.G. Greggs in February 1989 for Friends of the Oldman River, Calgary, Alberta. Dr. Greggs' report states that the lower reservoir and dam site areas of the Oldman River dam project are traversed by vertical faults which are subject to intermittent movement, adversely affecting the dam and related structures. This report evaluates the statements made by Dr. Greggs. Geological data collected on the project are presented and the statements made by Dr. Greggs regarding faults and fault movements are assessed in the light of the collected data.

AG AL PR PS SC

### Oldman River Dam spillway design report

prepared for Alberta Public Works, Supply and Services ; by UMA Engineering Ltd. ; in association with Acres International Limited. Edmonton : UMA Engineering Ltd. ; Acres International Limited, 1989. 152 p. : ill., fold. maps. Bibliogr. MICROLOG 90-03811 2 fiche

Summary of the design concepts, criteria and parameters which formed the basis for the design of the spillway of the Oldman River dam project. The main items of work include final excavation for the spillway headworks, chute and flip bucket; supply and installation of rock support; foundation preparation; supply and installation of the drainage system; construction of the reinforced concrete spillway structure approximately 340 m long and 95-40 m wide comprising the headworks, chute and flip bucket; supply and installation of embedded items in primary concrete for the gates and stoplogs; construction of the precast prestressed concrete bridge structure; placement of backfill and riprap erosion protection; supply and installation of electrical and mechanical systems for the spillway and drainage tunnels; and supply and installation of instrumentation. This design report covers the works to be completed under the entire spillway contract.

AG AL PR PS SC

### Oligochaeta of the small lakes of southern Karelia

by T. Timm. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5155) Originally published in Russian, by the Institute of Zoology and Botany, Academy of Sciences of the Estonian SSR, at Tallin, USSR. ISSN 0704-3716 MICROLOG 90-00096 1 fiche

Description of the Oligochaeta of the small lakes of the Southern Karelia, consisting of 2010 specimens from 98 samples of



zoobenthos, collected from 1963-65 by co-workers of the Karelian Division of the State Scientific Research Institute of Lake and River Fisheries.  
● CA CF FI LS SC

# **Oligochaete fauna of small Latvian rivers under conditions of human activity**

by E. Parele. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 7 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5157) *Originally published in Russian, by the Institute of Zoology and Botany, Academy of Sciences of the Estonian SSR, at Tallin, USSR.* ISSN 0704-3716  
MICROLOG 90-00101 1 fiche

Study of the oligochaete fauna of the Sloene River, carried out in 1969, 1973 and 1975 in a 15 km section located between Tukums and the inflow of the river into Lake Valgums. The work was done at stream gauging stations upstream and downstream of the town of Tukums and near Lake Valgums. This paper describes the species composition and quantitative development of the oligochaetes under the influence of human activity and makes a sanitary assessment of the river.  
● CA CF FI LS SC

# **Olinyk Township, Sudbury mining division 41J/16**

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 17 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 537) *Fold. maps not filmed.*  
MICROLOG 90-03000 1 fiche

Geological data inventory for Olinyk Township, including a checklist of sources, mineral commodities reference list, exploration work done by company, drillhole summary, topographical maps available, results of a general index search, selected references, and aerial maps available.  
NR ON PR PS SC

# **On guard for thee : war, ethnicity, and the Canadian state, 1939-45**

edited by Norman Hillmer, Bohdan Kordan and Lubomyr Luciuk. Ottawa : Canadian Committee for the History of the Second World War, 1988. xx, 282 p. Bibliogr. ISBN 0-660-12749-0  
MICROLOG 90-02634 4 fiche

Contains a collection of papers originally presented to a symposium entitled 'Ethnicity, the State, and War : Canada and its Ethnic Minorities, 1939-1945' held at Queen's University, 25-27 September 1986. Since that meeting some of the papers have been substantially revised by their authors.  
CA CU EX

# **On the artificial seedling and rearing experiments of settled juvenile of the sea cucumber**

by Z. Ikeda and K. Katayama. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 18 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5356) *Originally published in Japanese.* ISSN 0704-3716  
MICROLOG 90-01488 1 fiche

Study of the production of artificial seedlings and intermediate rearing methods for mass production of seedlings and release of sea cucumbers.  
● CA CF FI SC

# **On the chemistry of petroleum and coal**

by H.H. Oelert and L. Lenart. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 30 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5202) *Originally published in German, by Verlag Chemie at Weinheim, Federal Republic of Germany.* ISSN 0704-3716  
MICROLOG 90-02707 1 fiche

Paper describing the chemical composition of petroleum and coal, outlining various procedures of primary processing in their present form, and demonstrating future aspects of a more intensive chemical utilization and its technological problems.  
● CA CF EN PS SC

# **On the determination of phosphates in foods**

by Y. Tonogai and K. Tanaka. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 14 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5187) *Originally published in Japanese, by Nihon Shokuhin Eisei Gakkai at Tokyo, Japan.* ISSN 0704-3716  
MICROLOG 90-00070 1 fiche

It is possible that excessive intake of phosphoric acid disturbs the balance of minerals and affects the human body negatively. This paper discusses the qualitative analysis of phosphates in foods by thin-layer chromatography, and the quantitative analysis by atomic absorption spectrophotometry. For soft drinks, the paper discusses the fractional quantitative analysis for the addition of various kinds of condensed phosphates.  
● AG CA CF LS SC

# **On the development of *Pecten albicans* Schroter**

by Y. Tanaka. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 18 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5321) *Originally published in Japanese.* ISSN 0704-3716  
MICROLOG 90-02106 1 fiche

Paper on the early larval development stage of *Pecten albicans* Schroter and its morphology, particularly the provincial aspect of the floating stage larvae.  
● CA CF FI LS SC

# **On the embryonic and postembryonic growth and sexual maturity of Okhotsk ringed seal**

by G.A. Fedoseev. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5277) *Originally published in Russian.* ISSN 0704-3716  
MICROLOG 90-02747 1 fiche

The ringed seal of the Sea of Okhotsk is the main species of the seal industry in the Far East, comprising 65% of the total catch. This paper compares the age of sexual maturity of ringed seals in the Canadian North and in the Soviet North and describes their embryonic and postembryonic growth.  
● CA CF FI LS SC

# **On the fauna of tubificids and lumbriculids *Oligochaeta: Tubificidae, Lumbriculidae* of the Chukchi Peninsula**

by N.L. Sokol'skaya. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 37 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5214) *Originally published in Russian, in the USSR.*

ISSN 0704-3716  
MICROLOG 90-02695 1 fiche

The oligochaeta fauna of the Chukchi Peninsula is currently known only from the material accumulated from expeditions from 1972-74. One hundred and eighty samples were collected, mainly from rivers and streams, composing over 4,000 specimens. This paper describes species encountered from the family tubificidae and family lumbriculids.  
● CA CF FI LS SC

# **On the natural seeds collection, intermediate culture, and release of the sea urchin *Strongylocentrotus intermedius***

Dept. of Mariculture, Hokkaido Central Fisheries Experimental Station. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 48 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5200) *Originally published in Japanese, in Japan.* ISSN 0704-3716  
MICROLOG 90-02709 1 fiche

Sea urchin fishing in Hokkaido is the most important shallow-sea fishing industry after kelp and scallops. This paper summarizes the results of reports published over the last 10 years on their biology, seeding, methods of seed collection, preservation of the seed, and raising of the urchins.  
● CA CF FI LS SC

# **On the occurrence of *Isochaetides newaensis* (Mich.) (Oligochaeta) in Slovakia**

by S. Hrabec. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 6 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5238) *Originally published in Czech, in Czechoslovakia.* ISSN 0704-3716  
MICROLOG 90-02671 1 fiche

Description of *Isochaetides newaensis* (Mich.), based on individuals collected from the eastern portions of the Danube in the vicinity of Sturovo in Czechoslovakia.  
● CA CF FI LS SC

# **On the odontology of certain marine Odontoceti and their dentine and enamel structures**

by A. Keil and H. Von Nolting. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 45 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5367) *Originally published in German.* ISSN 0704-3716  
MICROLOG 90-01497 1 fiche

Explanation of dentition in 11 species using 13 teeth stored dry and supplied by the Whale Research Institute in Tokyo. Morphological and histological comparisons were made, with the external shape of the teeth and the size of their pulp cavities photographed and X-rayed. The material was sectioned and the sections were ground until only first-order polarization colours appeared in the enamel (if present) or the section became transparent. Some sections were decolagenated for polarizing microscopic analysis of their imbibition behaviour. Untreated sections were infiltrated with liquids of different refractive indices to make it possible to evaluate the degree of mineralization of the phase contrast.  
● CA CF FI LS SC

# **On the question of developing a common method of calculating salinity of sea water by specific electroconductivity, temperature and hydrostatic pressure**

by V.I. Ziburdaev and P.A. Kalashnikov  
Ottawa : National Research Council, Canada



Institute for Scientific and Technical Information, 1988. 12 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5397) *Originally published in Russian.* ISSN 0704-3716  
MICROLOG 90-01544 1 fiche

Proposal for a serial scheme for salinity calculations, with estimation of its maximum error and consideration of the influence of differing units of temperature measurement and electroconductivity on the calculation error of salinity.  
● CA CF NR PS SC

#### On the role of environmental councils in relation to the Canadian Environmental Advisory Council

by P.M. Bird. Ottawa : Canadian Environmental Advisory Council, 1989. v. 29 p. Bibliogr. *French ed. (Rôle des conseils...) on the same fiche.* ISBN 0-662-17044-X  
MICROLOG 90-03089 1 fiche

Review of various studies and observations concerning different kinds of councils and their characteristics. Not all relevant councils are included, particularly in the provincial area, and no recommendations are given. The report gives a history of the Canadian Environmental Advisory Council and describes external pressures for a reformed Council. The types of environmental councils (ministerial, independent, expanded ministerial) are described, along with the structure, relationships and functions of governmental councils and advisory bodies as set out by various studies. Additional processes and mechanisms for advising the minister and the public are then described, concluding with an overall assessment and conclusions. The role of the Council in 1981 and 1984 is given, along with data on the work performed from 1983/4 to 1987/8.  
CA EV SC

#### On the selectivity of gillnet for pomfret

by K. Shimazaki, S. Sasaki and S. Yamamoto. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 18 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5174) *Originally published in Japanese, at Hokkaido, Japan.* ISSN 0704-3716  
MICROLOG 90-00081 1 fiche

Pomfret is an important species as a constituent of an ecological system which migrates from the subtropical region to the subarctic region from spring to summer. Recently, this species has been noted as a promising resource yet to be developed. In order to clarify the distribution, biological composition, and the relative abundance of the fish, it is necessary to study whether or not the amount of catch and the value of the biological measurements obtained by gillnets can be used. This report gives the results of selectivity curves of mesh sizes for pomfret and the composite curves using samples obtained by experimental fishing done by the research vessel Hokusei Maru in the summer of 1980.  
● CA CF FI SC

#### On the sensitivity to low pH of some selected freshwater crustaceans *Daphnia and Gammarus, Crustacea*

by J. Brehm and M.P.D. Meijering. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 15 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5213) *Originally published in German, by E. Schweizerbart'sche Verlagsbuchhandlung at Stuttgart, Federal Republic of Germany.* ISSN 0704-3716  
MICROLOG 90-02696 1 fiche

Measuring pH levels is a standard test in limnology, but in contrast to oxygen concentrations, salinities, or temperatures, pH levels are rarely discussed in detail for their capacity to limit ecophysiological factors and have a decisive influence on the distribution of aquatic organisms. According to the distribution pattern of time and locality in water bodies, *Gammarus pulex* should be less sensitive to acid than its sister species *Gammarus fossarum*. Of the species pair *Daphnia magna* and *Daphnia pulex*, the latter should be more acid-resistant. To clarify this matter, laboratory and field tests were carried out on the different acid sensitivities of these 4 crustacean species.  
● CA CF EV FI LS SC

#### On the significance of lipids in Antarctic zooplankton

by W. Hagen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 150 p. : ill., maps. (Canadian translation of fisheries and aquatic sciences ; no. 5458) *Originally published in German, by Alfred-Wegener-Institut für Polar- und Meeresforschung at D-2850 Bremerhaven.* ISSN 0704-3716  
MICROLOG 90-00583 2 fiche

Description of the special significance of lipids for animals of the polar regions such as polar whales and seals. The paper begins with a review of various studies of lipids in polar plankton, then investigates the use of global qualitative and quantitative data on the lipids of zooplankton from the Antarctic Peninsula (spring, summer) and Weddell Sea (summer). Supplemented by biological data (developmental stage, sex, length, wet- and dry-weights, abundance, primary productivity) the findings can help in answering questions on ontogeny and seasonality. The study focused on copepods and Euphausiacea, which make up the major fraction of the Antarctic zooplankton biomass. Data is included on other lipids of various other zooplankton species, from different taxa and trophic levels, which are important components in the trophic chain of the South Polar Sea.  
● CA CF FI LS SC

#### On winter food for whitefish or observations on the biology of whitefish caught by ice fishing

by T. Turunen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 7 p. (Canadian translation of fisheries and aquatic sciences ; no. 5454) *Originally published in Finnish.* ISSN 0704-3716  
MICROLOG 90-00608 1 fiche

This paper deals with the biology of whitefish ice-fished in Hoytinen, North Karelia, Finland, and their potential as a winter catch. Whitefish were caught in winter 1987, measured for length and weight, age determined using scale samples, growth determined by back-calculation, gill rakers removed, and stomachs collected for food analysis. The paper gives the results of the analysis and discusses the use of whitefish as winter catch.  
● CA CF FI LS SC

#### Onions

by M. Valk. Toronto : Ministry of Agriculture and Food, 1988. 27 p. : ill. *French ed. (Les Oignons) on the same fiche.* ISBN 0-7729-4416-4  
MICROLOG 90-04463 1 fiche

The onion crop is one of the most important vegetable crops grown in Ontario. This brochure covers methods of cultivation, weed control, harvesting, storage, insect and disease control, and types of onions (for pickling and for green bunching).  
AG ON PR SC

#### Ontario. Advisory Council on Occupational Health and Occupational Safety : Annual report 1988-89

Toronto : The Council, 1989. ii, 114 p. *French ed. : 90-02255/2.* CSI 56144.001. ISSN 0708-5117  
MICROLOG 90-02253 2 fiche

Annual report of the Council, commenting on changes and current proposed modifications to the Occupational Health and Safety Act, advice on biotechnology, and mandatory health surveillance. The legal mandate of the Council and its objectives are also included, along with a list of the various task forces and their terms of reference. Data is also given on fatal and non-fatal injuries and days lost for the current and previous 5 years.  
HE LA ON PR ST

#### Ontario. Bibliothèque de l'Assemblée législative : Rapport annuel 1989-90

Toronto : la Bibliothèque, 1990. ix, 58, viii, 56 p. : ill. Bibliogr. *Bilingue.* CSI 56157.001. ISSN 0832-8005  
MICROLOG 90-05818 2 fiche

Le rôle de la Bibliothèque est de fournir des services d'information, de référence et de recherche qui répondent aux besoins des députés, de leur personnel et des agents principaux de l'Assemblée. La bibliothèque s'efforce d'atteindre ce but en sélectionnant, en acquérant, en cataloguant et en assurant l'entretien des documents appropriés. Ce rapport annuel pour l'année financière terminée le 31 mars 1990 fait le bilan des réalisations de la bibliothèque. Il examine, entre autres, les services en français, l'information, les services d'information et de référence, le développement de la collection, le service des coupures de presse, les services techniques et systèmes, ainsi que le service de recherche.  
CU ON PA PR ST

#### Ontario. Board of Funeral Services : Annual report 1989

Toronto : The Board, 1990. 9 p. *CSI 56152.001.* MICROLOG 90-06773 1 fiche

The Review Board has two separate and distinct functions. The first is to review decisions of the Complaints Committee and the second function is to hear or review proposed decisions of the Licensing Committee in cases where the Committee refuses to grant registration to an applicant. This document reviews the activities of the Licensing, Complaints, and Discipline committees.  
ON PR SA

#### Ontario. Bureau du registraire général : Rapport annuel 1988

Toronto : le Bureau, 1989. 9 p. *CSI 56166.001F.* ISSN 0843-9524  
MICROLOG 90-04175 1 fiche

Présente le rapport annuel du Registraire général, relatif à l'enregistrement des naissances, des mariages, des décès, des mortuaires, des adoptions, des divorces et des changements de nom dans la province de l'Ontario, pour l'exercice terminé le 31 décembre 1988.  
HE ON PR ST

#### Ontario. Civil Service Commission : Annual report 1988-89

Toronto : The Commission, 1989. 44 p. *Bilingue.* CSI 56147.001. ISSN 0319-7263  
MICROLOG 90-06045 1 fiche

In 1986, the Civil Service Commission was assigned a revised role of monitoring the government's performance as an employer. The Commission's responsibilities for policy development and administration were delegated to a new organization, the Human Resources Secretariat. This report outlines the activities



of the Commission in fulfilling its mandate and the achievement of the Human Resources Secretariat in performing its delegated responsibilities in the areas of strategic planning, employee relations and compensation and corporate services.  
LA ON PA PR ST

**Ontario. College Relations Commission : Annual report 1987-88**

Toronto : The Commission, 1989. 19 p.  
CSI 56189.001. ISSN 0706-0092  
MICROLOG 90-06047 1 fiche

Presents the Commission's duties and members, the negotiation process, staff and facilities. The document also reports negotiations and appointments as well as other developments including grievance mediation and the establishment of the College's Collective Bargaining Commission. An appendix featuring the statement of expenditures ends this report.  
ED LA ON PR

**Ontario. Comité consultatif de la ministre sur les appareils et accessoires fonctionnels : Rapport annuel 1987-88**

Toronto : le Comité, 1989. 30 p. *Bilingue.*  
CSI 56257.001. ISSN 0843-607X  
MICROLOG 90-01380 1 fiche

Le Programme d'appareils et accessoires fonctionnels (PAAF) est un programme du ministère de la Santé de l'Ontario qui offre aux résidents de l'Ontario atteints d'un handicap physique de longue durée de l'aide pour le paiement de certains appareils et fournitures nécessaires, par exemple les fauteuils roulants, les membres artificiels ou les respirateurs. Ce rapport présente les principales activités entreprises par le Comité consultatif et ses sous-comités au cours de la période allant du 1er avril 1987 au 31 mars 1988 et souligne les questions principales qui ont été discutées au cours de cette période dont notamment la planification de l'extension aux adultes du Programme.  
ON PR SA

**Ontario. Commission de la Fonction publique : Rapport annuel 1988-89**

Toronto : la Commission, 1989. 44 p. *Bilingue.*  
CSI 56147.001. ISSN 0319-7263  
MICROLOG 90-06045 1 fiche

La Commission surveille les réalisations du gouvernement en tant qu'employeur, particulièrement en ce qui a trait au respect du principe du mérite et à la promotion des valeurs propres à la fonction publique. Ce rapport annuel décrit les activités de la Commission et présente les progrès qu'a réalisés le Secrétariat des ressources humaines dans l'exercice des responsabilités qui lui ont été confiées.  
LA ON PA PR ST

**Ontario. Commission de révision des loyers : Rapport annuel 1987-88**

Toronto : la Commission, 1988. 22, 22 p. *Bilingue.* CSI 56269.001. ISSN 0843-5073  
MICROLOG 90-01647 1 fiche

Ce rapport annuel comporte un résumé de l'origine de la Commission, des courts curriculum vitae des membres, et une explication de la structure et le rôle de la Commission. Il inclut aussi un sommaire des activités de la Commission pour l'année 1987-88, et des tableaux statistiques.  
ON PR SA ST

**Ontario. Commission des évaluations environnementales : Rapport annuel 1989-90**

Toronto : la Commission, 1990. 24, 24 p. : ill. *Bilingue.* CSI 56151.001  
MICROLOG 90-07040 1 fiche

La Commission a le pouvoir d'autoriser ou de rejeter des projets affectant l'environnement sur renvoi des demandes à leur égard par le Ministre. La Loi s'applique aux projets du gouvernement provincial et des municipalités, mais non à ceux du secteur privé, sauf s'ils sont désignés expressément par le Ministre. Ce rapport annuel pour l'année financière 1989-90 inclut des informations sur les compétences de la Commission, les remarques sur les audiences, sur l'aide financière accordée aux intervenants, sur le projet d'amélioration du programme d'évaluation environnementale. Il donne aussi un répertoire des décisions.  
EV ON PR SC

**Ontario. Commission des relations de travail en éducation : Rapport annuel 1988-89**

Toronto : la Commission, 1989. 48 p. : cartes géogr. *L'éd. anglaise sur la même fiche*  
CSI 56117.001. ISSN 0707-7149  
MICROLOG 90-07073 2 fiche

La Commission a pour principal mandat de surveiller et de faciliter toutes les négociations locales entre enseignants et conseils scolaires. Ce rapport annuel pour l'exercice terminé le 31 août 1989 fournit des informations sur la structure et la composition de la Commission, sur les parties en présence, sur les négociations, ainsi que sur les tâches du personnel de la Commission. Inclut aussi un aperçu historique des négociations entre les enseignants et les conseils scolaires.  
ED LA ON PR

**Ontario. Commission on Conflict of Interest : Annual report 1988-89**

Toronto : The Commission, 1990. 13, 14 p. *Bilingual.* CSI 56285.001. ISSN 1180-0550  
MICROLOG 90-06043 1 fiche

The Commissioner's mandate is to advise, investigate, educate and administer an ethical code of conduct of all members of the Legislature. This annual report reviews practices and procedures. It includes statistical and financial information.  
JU ON PR

**Ontario. Commission on Election Finances : Annual report 1988**

Toronto : The Commission, 1989. 52 p.  
CSI 56214.002. ISSN 0835-1872  
MICROLOG 90-01379 1 fiche

This annual report discusses the activities of the Commission during the year, and the guidelines developed by the Commission. It also includes a judicial review, and reports on third-party election activities. It provides financial statements.  
ON PA PR

**Ontario. Commission sur les conflits d'intérêts : Rapport annuel 1988-89**

Toronto : la Commission, 1990. 14, 13 p. *Bilingue.* CSI 56285.001. ISSN 1180-0550  
MICROLOG 90-06043 1 fiche

Présente le rapport annuel de la Commission sur les conflits d'intérêts pour la période du 1er septembre 1988 au 31 décembre 1989. Le rapport porte particulièrement sur : l'histoire de la législation; le mandat; la période couverte par le rapport; la pratique et les procédures, les données statistiques; les données financières; et l'annexe.  
JU ON PR

**Ontario. Conseil consultatif sur la santé et la sécurité au travail : Rapport annuel 1988-89**

Toronto : le Conseil, 1989. ii, 113 p. *L'éd. anglaise : 90-02253/2.* CSI 56144.001F. ISSN 0843-7874  
MICROLOG 90-02255 2 fiche

Ce document présente le rapport annuel du Conseil consultatif sur la santé et la sécurité au travail. On se penche particulièrement sur les mémoires consultatifs du Conseil et les réponses du ministre, la correspondance donnant suite à des Mémoires consultatifs; l'administration; et, les groupes d'étude du Conseil consultatif.  
HE LA ON PR ST

**Ontario. Conseil des disciplines sanitaires : Ontario. Commission d'appel des denturologues : Rapport annuel 1988**

Toronto : Ministère de la santé, 1989. 16, 16 p. *Bilingue.* CSI 56153.001. ISSN 0715-0717  
MICROLOG 90-07095 1 fiche

Ce document présente le rapport annuel du Conseil des sciences de la santé pour l'exercice se terminant le 31 décembre 1988. Il comprend également un rapport portant sur les activités de la Commission d'appel des denturologues. Il porte principalement sur les points suivants: la composition du Conseil, les fonctions; les questions et commentaires; les délais dans le processus de révision, les attitudes des professionnels; les attitudes des patients; les communications, et, les statistiques.  
HE ON PR ST

**Ontario. Criminal Injuries Compensation Board : Annual report 1987-88**

Toronto : The Board, 1988. 61 p.  
CSI 56150.001  
MICROLOG 90-00510 1 fiche

This document presents information on the number of applications by area, types of crime as listed on applications, and a comparative summary of applications and disposition. It provides examples of decisions  
JU ON PA PR SA

**Ontario. Education Relations Commission : Annual report 1987-88**

Toronto : The Commission, 1989. 50 p. : maps. *CSI 56117.001*  
MICROLOG 90-02764 1 fiche

Describes the members and organizational structure of the Commission, the parties, a history of teacher/school board bargaining in Ontario, and negotiation staff activities  
ED LA ON PR

**Ontario. Education Relations Commission : Annual report 1988-89**

Toronto : The Commission, 1989. 47 p. maps. *French ed on the same fiche*  
CSI 56117.001. ISSN 0706-0092  
MICROLOG 90-07073 2 fiche

The Commission oversees bargaining procedures for over 230 sets of negotiations which fall under its jurisdiction. The annual report reviews negotiation activity including renewals, third party appointments, supervised votes, strikes, lock-outs and school closings, voluntary binding arbitration and final offer selection, grievance arbitration, advisements, and duration of agreements. Staff activities reviewed include negotiation monitoring, selection and training of third parties, quasi-judicial matters (complaints), preventative mediation and information services. Also includes biographical information of Commissioners and sanction records.  
ED LA ON PR

**Ontario. Environmental Assessment Board : Annual report 1989-90**

Toronto : The Board, 1990. 24, 24 p. : ill. *Bilingual* CSI 56151.001  
MICROLOG 90-07040 1 fiche

Annual report of the Board, presenting information on the jurisdiction under the



Environmental Assessment Act, the Environmental Protection Act, the Ontario Water Resources Act, and the Consolidated Hearings Act; hearing notes; the Intervenor Funding Project Act; the environmental assessment program improvement project; and an index of decisions. Mini-biographies of Board members are also included.  
EV ON PR SC

**Ontario. Environmental Compensation Corporation : Annual report 1988-89**

Toronto : The Corporation, 1989. 15, 15 p.  
*Bilingual. CSI 56290.001.*  
MICROLOG 90-07349 1 fiche

Annual report of the Corporation, created in 1985 to authorize compensation to spill victims who are unable to obtain compensation for their loss or damage elsewhere. This report provides a retrospective of experience, illustrated by synopses of example cases dealt with which explain the nature of claims the ECC receives, and a summary of the decision-making approach used by the ECC Board of Directors. A short statement of expenditures is included.  
CO EV ON PR SC

**Ontario. Healing Arts Radiation Protection Commission : Annual report 1988-89**

Toronto : The Commission, 1989. 18 p.  
*CSI 55111.006.*  
MICROLOG 90-05129 1 fiche

The H.A.R.P. Act was passed in 1980 to promote and ensure patient safety in the healing arts of chiropractic medicine, dentistry, medical radiology, physics, podiatry and radiological technology. This annual report gives the Commission's organization and responsibilities, its duties and its method of operation. A summary of the activities during the year, including amendments to regulations, image quality testing, promotion of X-ray safety, the establishment and development of peer review systems, updating the guidelines to the legislation, and review of the therapeutic use of X-rays are given. Goals for the coming year are also included, along with membership of the Commission and its advisory committees.  
HE ON PR SC

**Ontario. Health Disciplines Board [and] Ontario. Denture Therapists Appeal Board : Annual report 1988**

Toronto : Ministry of Health, 1989. 16, 16 p.  
*Bilingual. CSI 56153.001.* ISSN 0715-0717  
MICROLOG 90-07095 1 fiche

The Health Disciplines Board reviews the complaints committees' decisions of the colleges governing these 5 health disciplines (dentistry, medicine, nursing, optometry, and pharmacy). It can also hear or review proposed decisions of the registration committees of these colleges. This annual report for the calendar year 1988 covers issues and comments, trends in professional and patient attitudes, and communications. Statistical tables provide data for cases by college and by disposition. The document concludes with a brief report on the Denture Therapists Appeal Board.  
HE ON PR ST

**Ontario. Legislative Assembly. Standing Committee on Public Accounts : Annual report 1989**

Toronto : The Committee, 1990. x, 102 p.  
*CSI 56286.001.* ISSN 0319-9622  
MICROLOG 90-06325 2 fiche

The annual report documents the Committee's activities, and provides a summary of the investigative process employed by the Committee and an overview of the 1989 agenda and Committee reports.  
ON PA PR

**Ontario. Legislative Library : Annual report 1989-90**

Toronto : The Library, 1990. viii, 56, ix, 58 p. : ill. Bibliogr. *Bilingual. CSI 56157.001.* ISSN 0832-8005  
MICROLOG 90-05818 2 fiche

The goal of the Legislative Library is to provide information, reference and research services to meet the needs of the members of the Legislative Assembly, their staff and senior officers of the Assembly. This report describes the services and projects of the Library such as the user survey, research services, technical services and systems, checklist and catalogue service, French language services, information systems, Management Advisory Committee, Ontario Government Libraries Council and staff activities.  
CU ON PA PR ST

**Ontario. Minister's Advisory Committee on Assistive Devices : Annual report 1987-88**

Toronto : The Committee, 1989. 28 p.  
*Bilingual. CSI 56257.001.* ISSN 0843-4859  
MICROLOG 90-01380 1 fiche

Annual report outlining major activities taken by the Committee and its 7 subcommittees. The report describes the assistive devices program which provides Ontario residents who have long-term physical disabilities with assistance in paying for certain necessary equipment and supplies such as wheelchairs, artificial limbs or respiratory equipment. A chronology of the program is given, along with the mandate and activities of the advisory committee and its future objectives. Descriptions of subcommittees are also included. Members of each committee and subcommittee are listed.  
ON PR SA

**Ontario. Ministère de l'agriculture et de l'alimentation : Rapport annuel 1987-88**

Toronto : le Ministère, 1988. 35, 35 p. : ill. *Bilingue. CSI 55101.001.* ISSN 0704-2159  
MICROLOG 90-00559 1 fiche

Rapport annuel portant sur les grandes lignes d'un plan stratégique sur la compétitivité, la qualité, l'éducation et la formation, la stabilité financière et enfin l'amélioration de la gestion des ressources pédagogiques et aquatiques.  
AG ON PR SC ST

**Ontario. Ministère de l'agriculture et de l'alimentation : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 56 p. : ill. *Bilingue. CSI 55101.001.* ISSN 0704-2159  
MICROLOG 90-06044 1 fiche

Rapport annuel pour l'exercice terminé le 31 mars 1989 faisant le bilan des activités et des réalisations du Ministère. Cette discussion porte principalement sur les 5 objectifs du ministère : compétitivité (les exportations), qualité (les recherches et sécurité), stabilité financière (commissions de commercialisation, revenu des agriculteurs), éducation et formation, et conservation du sol et de l'eau. Le document comprend aussi des données statistiques et les états financiers.  
AG ON PR SC ST

**Ontario. Ministère de l'éducation. Commission de planification et de mise en oeuvre : Rapport annuel 1988-89**

Toronto : la Commission, 1989. 21, 19 p.  
*Bilingue. CSI 56225.001.* ISSN 0828-296X  
MICROLOG 90-05141 1 fiche

La Commission a pour mandat de conseiller le ministre relativement aux moyens précis à prendre pour la mise en oeuvre de la politique de financement des écoles secondaires

catholiques. Elle supervise aussi les plans pluriannuels de mise en oeuvre soumis par les conseils d'écoles séparées catholiques. Dans son rapport annuel, la Commission résume ses activités du 1er juillet 1988 au 30 juin 1989. Celles-ci ont été divisées en 2 secteurs : activités (conseils au ministre, communications, réunions et présentations), et planification au niveau des conseils scolaires.  
ED ON PR

**Ontario. Ministère de l'éducation : Rapport annuel 1988-89**

Toronto : le Ministère, 1990. 36, 36 p. : ill. *Bilingue. CSI 55108.008.* ISSN 0317-6436  
MICROLOG 90-07075 1 fiche

Document présentant le rapport annuel du ministère de l'Éducation pour l'exercice commençant le 1er avril 1988 et se terminant le 31 mars 1989. Il fait état des changements apportés aux programmes d'enseignement élémentaire et secondaire et rend compte de l'engagement du ministère face à ce domaine. Finalement, il expose en détail les nombreux programmes et activités du ministère pendant cette période.  
ED ON PR

**Ontario. Ministère de l'énergie : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 21, 21 p. : ill. *Bilingue. CSI 55109.001.* ISSN 0317-4581  
MICROLOG 90-04898 1 fiche

Le ministère de l'Énergie de l'Ontario a 4 grands objectifs : assurer un approvisionnement adéquat d'énergie, promouvoir les économies d'énergie, encourager la recherche et le développement; fournir des conseils au gouvernement en matière de politique énergétique. Ce rapport annuel présente les faits saillants dans les domaines suivants : l'importance de l'énergie, la gestion de la demande d'énergie, l'assurance de la sécurité des approvisionnements en énergie, et la R-D. Le document contient aussi des renseignements statistiques sur l'organisation et les finances du Ministère.  
EN ON PR SC

**Ontario. Ministère de l'industrie, du commerce et de la technologie : Rapport annuel 1987-88**

Toronto : le Ministère, 1988. 12, 12 p. : ill. *Bilingue. CSI 55112.001.* ISSN 0833-1715  
MICROLOG 90-06545 1 fiche

Le Ministère a pour mandat de renforcer la position de l'économie provinciale sur les marchés internationaux, de favoriser la création d'emplois valorisants et d'assurer un contexte favorable à l'investissement en Ontario. Ce rapport annuel pour l'exercice 1987-88 explique les activités des divisions : la Division de l'industrie du Nord, la Division des politiques et de la technologie, la Division de l'expansion industrielle et commerciale, la Division des petites entreprises, la Division de l'administration et les organismes du ministère. Le document contient aussi l'état des dépenses, l'organigramme et la liste des bureaux régionaux et à l'étranger.  
CO ON PR PS SC

**Ontario. Ministère de la consommation et du commerce : Rapport annuel 1987-88**

Toronto : le Ministère, 1988. 50 p. : ill. *Bilingue. CSI 55105.001.* ISSN 0707-2384  
MICROLOG 90-00819 1 fiche

Rapport annuel portant sur les divisions et services suivants : la Division des pratiques commerciales (Fonds d'indemnisation des commerçants de véhicules automobiles, Régime de garanties des logements neufs de l'Ontario et Fonds d'indemnisation de l'industrie du tourisme), la Division de l'enregistrement; la Division des normes techniques; les politiques et



l'administration (Division de la technologie de l'information, services juridiques, politiques et planification et Division des services de soutien), la Commission d'appel des enregistrements commerciaux; la Régie des alcools de l'Ontario, la Commission des permis de vente d'alcool de l'Ontario; la Commission des courses de l'Ontario; ainsi que les états financiers.  
CO ON PR ST

**Ontario. Ministère de la consommation et du commerce : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 59 p. : ill.  
*Bilingue. CSI 55105.001. ISSN 0707-2384*  
MICROLOG 90-07098 1 fiche

Rapport du Ministère pour l'année 1988-89 traçant les grandes lignes des activités des différentes divisions et commissions incluant les divisions des pratiques commerciales, de l'enregistrement et des normes techniques; les Commissions d'appel des enregistrements commerciaux, des permis de vente d'alcool et des courses; la Régie des alcools; ainsi que les services des politiques et de l'administration. Comprend aussi les états financiers.  
CO ON PR

**Ontario. Ministère de la culture et des communications : Rapport annuel 1988-89**

Toronto : le Ministère, 1990. 38, 36 p. : ill.  
*Bilingue. CSI 55107.001. ISSN 0840-7193*  
MICROLOG 90-06351 1 fiche

Institué dans le but de faciliter le passage de l'Ontario à l'ère de l'information, les objectifs stratégiques du ministère sont les suivants: faire mieux connaître le rôle de l'Ontario comme chef de file dans la radiotélédiffusion et dans les télécommunications, présenter la position de l'Ontario sur les politiques et les initiatives fédérales en matière de culture et de communications, miser sur le potentiel des entreprises de ces secteurs pour stimuler la croissance économique, multiplier les occasions de participer aux activités culturelles et de bénéficier des communications, appuyer les initiatives locales et renforcer le leadership et l'autonomie des organismes culturels, promouvoir l'excellence en éducation, renforcer le rôle des Archives publiques de l'Ontario en gestion de l'information, et améliorer la capacité du ministère de répondre aux exigences d'un milieu changeant. Ce rapport décrit les activités de l'année des programmes et des divisions du Ministère. On inclut en annexe des statistiques financières.  
CU ON PA PR TE

**Ontario. Ministère de la santé : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 28, 28 p.  
*Bilingue. CSI 55111.001. ISSN 0702-6684*  
MICROLOG 90-03749 1 fiche

Ce document présente le rapport annuel du Régime d'assurance-santé de l'Ontario pour la période de douze mois terminée le 31 mars 1989. On y donne des renseignements sur le système de soins de santé de l'Ontario; la planification et les programmes, la santé individuelle, les soins en établissements; le paiement des demandes de règlement et des systèmes; la santé communautaire; les données financières, et l'état des recherches et des dépenses.  
HE ON PR

**Ontario. Ministère des affaires civiques : Rapport annuel 1988-89**

Toronto : le Ministère, 1990. 16, 16 p. : ill.  
*Bilingue. CSI 55102.001. ISSN 0840-7185*  
MICROLOG 90-06328 1 fiche

Ce rapport annuel porte sur les sujets suivants: le multiculturalisme, les relations interraciales, les autochtones, l'établissement des immigrants et le développement multiculturel, et

les droits de la personne. En annexe on inclut les états des dépenses et le nombre de personnel classifié.  
CU JU ON PR

**Ontario. Ministère des affaires municipales : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 18, 16 p.  
*Bilingue. CSI 55115.001. ISSN 0833-1731*  
MICROLOG 90-03167 1 fiche

Document présentant le rapport annuel du ministère des Affaires municipales pour l'exercice 1988-89. On y donne des renseignements sur les points suivants: le renforcement des administrations locales; l'imputabilité de la responsabilité des administrations locales; les ressources financières; l'accès des municipalités à l'expertise; et, la promotion des intérêts de la province.  
MU ON PR

**Ontario. Ministère des institutions financières : Rapport annuel 1988-89**

Toronto : le Ministère, 1990. 30 p. *Bilingue. CSI 55130.001. ISSN 0838-2840*  
MICROLOG 90-07076 1 fiche

Ce rapport annuel contient une revue des activités des différentes divisions et directions du Ministère, incluant la Direction des compagnies de prêt et de fiducie, la Section des courtiers en hypothèques, la Direction des caisses populaires et des coopératives, la Division des assurances, la Commission des valeurs mobilières de l'Ontario et la Commission des régimes de retraite de l'Ontario. Le document inclut aussi les états financiers.  
CO ON PR

**Ontario. Ministère des richesses naturelles : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 42, 42 p. : ill.  
*Bilingue. CSI 55116.001. ISSN 0383-5901*  
MICROLOG 90-04361 1 fiche

Le Ministère a pour mandat de gérer les terres et les eaux de la Couronne dans la province pour le bien-être économique et social de la population de l'Ontario. Ce rapport annuel pour l'exercice se terminant le 31 mars 1989 couvre les sujets suivants: les ressources forestières, le centre d'aviation et de lutte contre les incendies, les terres et les eaux, et les loisirs de plein air. Le document contient aussi les organigrammes, les états financiers, ainsi que les organismes, conseils et commissions rattachés au ministère.  
NR ON PR SC

**Ontario. Ministère des services correctionnels : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 71, 71 p. : ill.  
*Bilingue. CSI 55106.001. ISSN 0835-5649*  
MICROLOG 90-06042 2 fiche

Le Ministère est chargé des programmes de traitement et de réhabilitation destinés aux contrevenants condamnés à des peines de moins de 2 ans. Pour les jeunes de 16 et 17 ans, le Ministère fournit des programmes et des services d'hébergement spéciaux conformément à la Loi sur les jeunes contrevenants. Ce rapport annuel pour l'année financière terminée le 31 mars 1989 fait le bilan des activités et des réalisations du ministère des Services correctionnels et de la Commission ontarienne des libérations conditionnelles.  
JU ON PR ST

**Ontario. Ministère des transports : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 36 p. : ill. *L'éd anglaise sur la même fiche. CSI 55120.001. ISSN 0703-6140*  
MICROLOG 90-05060 1 fiche

Ce rapport annuel présente les activités du Ministère pour l'exercice terminé le 31 mars 1989. Le document présente les sujets suivants: transports municipaux et provinciaux; régions du Ministère; génie et construction; entretien et exploitation des voies publiques; réglementation, et dépenses pour chaque route.  
ON PR SC TR

**Ontario. Ministère du logement : Rapport annuel 1988-89**

Toronto : le Ministère, 1989. 24, 24 p.  
*Bilingue. CSI 55126.001. ISSN 0835-0221*  
MICROLOG 90-05059 1 fiche

Document comprenant les rapports annuels du ministère du Logement pour l'exercice terminé le 31 mars 1989, et de la Société du logement de l'Ontario pour l'année civile 1988. Fournit le bilan des activités des différentes composantes du Ministère incluant: gestion des ressources générales, l'industrie du bâtiment, la révision des loyers, ainsi que le logement communautaire.  
ON PL PR SA

**Ontario. Ministère du solliciteur général : Rapport annuel 1986-87**

Toronto : le Ministère, 1987. v, 70 p. *Bilingue. CSI 55124.001. ISSN 0380-5794*  
MICROLOG 90-00280 1 fiche

Rapport portant sur le ministère et le Bureau du ministère du Solliciteur général. On y aborde particulièrement les domaines suivants: la Division de l'élaboration des politiques et des programmes, la Commission de police de l'Ontario, la Police provinciale de l'Ontario, la Division de la sécurité publique, le Bureau de la planification des mesures d'urgence de l'Ontario, la Commission d'arbitrage de la police de l'Ontario, et la division des ressources.  
JU ON PR

**Ontario. Ministère du trésor et de l'économie : Rapport financier 1989**

Toronto : le Ministère, 1989. 34 p. : ill.  
*CSI 55121.005F. ISSN 0708-5613*  
MICROLOG 90-01663 1 fiche

Ce document présente le rapport financier de la province de l'Ontario pour 1989, et expose les principaux éléments des finances de l'Ontario et comprend un sommaire des états financiers de la province pour l'exercice clos le 31 mars 1989.  
CO ON PA PR

**Ontario. Ministry of Agriculture and Food : Annual report 1987-88**

Toronto : The Ministry, 1988. 35, 35 p. : ill.  
*Bilingual. CSI 55101.001. ISSN 0704-2159*  
MICROLOG 90-00559 1 fiche

This annual report reviews competitiveness, quality, financial stability, education and training, and soil and water. It includes a summary of expenditure and revenue.  
AG ON PR SC ST

**Ontario. Ministry of Agriculture and Food : Annual report 1988-89**

Toronto : The Ministry, 1989. 56 p. : ill.  
*Bilingual. CSI 55101.001. ISSN 0704-2159*  
MICROLOG 90-06044 1 fiche

This annual report reviews the activities of the Ministry for the previous year. Discussion centres around the 5 goals of competitiveness (exports), quality (research and safety), financial stability (marketing boards, farmer income), education and training, and soil and water conservation. Statistical tables and financial statements are included.  
AG ON PR SC ST



**Ontario. Ministry of Citizenship :  
Annual report 1988-89**

Toronto : The Ministry, 1990. 16, 16 p. : ill.  
*Bilingual. CSI 55102.001. ISSN 0840-7185*  
MICROLOG 90-06328 1 fiche

This annual report describes the Ministry's activities for the year under the headings of multiculturalism, race relations, native people, immigrant settlement and multicultural development, and human rights. Appendices give basic financial and employment statistics.  
CU JU ON PR

**Ontario. Ministry of Consumer and  
Commercial Relations : Annual report  
1987-88**

Toronto : The Ministry, 1988. 50 p. : ill.  
*Bilingual. CSI 55105.001. ISSN 0707-2384*  
MICROLOG 90-00819 1 fiche

This publication reports on the following divisions: Business Practices (Motor Vehicle Dealers Compensation Fund, Ontario New Home Warranty Program, Travel Industry Act Compensation Fund); Registration; Technical Standards; Policy and Administration; Commercial Registration Appeal Tribunal; Liquor Control Board of Ontario; Liquor Licence Board of Ontario; Ontario Racing Commission, and it concludes with financial statements of the ministry.  
CO ON PR ST

**Ontario. Ministry of Consumer and  
Commercial Relations : Annual report  
1988-89**

Toronto : The Ministry, 1989. 59 p. : ill.  
*Bilingual. CSI 55105.001. ISSN 0707-2384*  
MICROLOG 90-07098 1 fiche

This report reviews the activities of the Ministry and its branches. Some areas highlighted include the Motor Vehicle Dealers Compensation Fund, the Ontario New Home Warranty Program; the Travel Industry Act Compensation Fund, the Commercial Registration Appeal Tribunal; the Liquor Control and Licensing Boards of Ontario and the Ontario Racing Commission. Financial statements are included.  
CO ON PR

**Ontario. Ministry of Correctional  
Services : Annual report 1988-89**

Toronto : The Ministry, 1989. 71, 71 p. : ill.  
*Bilingual. CSI 55106.001. ISSN 0835-5649*  
MICROLOG 90-06042 2 fiche

The Ministry provides treatment and rehabilitation programs for offenders convicted by the courts and sentenced to terms of up to two years. For 16- and 17-year olds, the Ministry provides accommodations and programming as set out in the Young Offenders Act. This annual report provides an organizational chart of the Ministry, a report on operations in the regions, and focuses on community corrections, Ontario Board of Parole, institutions, youth services, and the Minister's Advisory Committee on Corrections.  
JU ON PR ST

**Ontario. Ministry of Culture and  
Communications : Annual report 1988-89**

Toronto : The Ministry, 1990. 36, 38 p. : ill.  
*Bilingual. CSI 55107.001. ISSN 0840-7193*  
MICROLOG 90-06351 1 fiche

The Ministry was created by the provincial government to smooth Ontario's transition to the information age. This annual report reviews the major achievements and activities of the Ministry  
CU ON PA PR TE

**Ontario. Ministry of Education.  
Planning and Implementation  
Commission : Annual report 1988-89**

Toronto : The Commission, 1989. 19, 21 p.  
*Bilingual. CSI 56225.001. ISSN 0828-296X*  
MICROLOG 90-05141 1 fiche

The Commission's mandate is: to supervise extension of secondary school grades, maintain a viable public secondary education system, ensure that teachers and other employees will be treated fairly as enrolment shifts from the public system, promote sharing of facilities and of solutions to classroom needs which will ensure that existing stock of capital facilities is well utilized, and ensure that Roman Catholic school boards offer full secondary school programs. This report concentrates on the planning stage of the mandate and makes recommendations to the Minister. Includes appendix tables outlining Roman Catholic Schools who: have not received extended funding, have extended funding; accommodation changes resulting from extension of public funding; transferred schools; shared schools; en-bloc transfers; and a list of separate secondary schools established since June 1984. A statement of expenditures is also included.  
ED ON PR

**Ontario. Ministry of Education :  
Annual report 1988-89**

Toronto : The Ministry, 1990. 36, 36 p. : ill.  
*Bilingual. CSI 55108.008. ISSN 0317-6436*  
MICROLOG 90-07075 1 fiche

This annual report provides a review of the Ministry's activities in 1988-89 under headings such as smaller classes, computers in schools and special education, student retention and transition, co-operative education, adopt-a-school programs, national indicator program, OAC English exams, French-language governance, teacher education, extension of the Roman Catholic Separate School system, trustee distribution and education financing. Programs and services such as distance and continuing education, official-languages monitor program, provincial schools, exchange programs, the student leadership centre and learning materials are discussed. Finally, the committees, agencies, and commissions which fall within the authority of the Ministry are described.  
ED ON PR

**Ontario. Ministry of Energy : Annual  
report 1988-89**

Toronto : The Ministry, 1989. 21, 21 p. : ill.  
*Bilingual. CSI 55109.001. ISSN 0317-4581*  
MICROLOG 90-04898 1 fiche

Ontario is Canada's largest energy-consuming market and the Ministry is responsible for devising policies and implementing programs that ensure Ontario's demands, keeping abreast of national and foreign energy developments, and dealing effectively with the changing market in prices and supplies. The report reviews activities within the Ministry itself and how it can make the province more aware of electricity conservation, environmental protection and encouragement of renewable energy supplies. Financial statements are also included.  
EN ON PR SC

**Ontario. Ministry of Financial  
Institutions : Annual report 1988-89**

Toronto : The Ministry, 1990. 30 p. *Bilingual*  
*CSI 55130.001. ISSN 0838-2840*  
MICROLOG 90-07076 1 fiche

This annual report gives an overview of activities in the different divisions and branches of the Ministry including the Loan and Trust Corporation Branch, Mortgage Brokers Section, Credit Unions and Co-operatives Branch, Insurance Division, the Ontario Securities Commission and the Pension Commission of Ontario. The document also includes financial

statements.  
CO ON PR

**Ontario. Ministry of Health : Annual  
report 1988-89**

Toronto : The Ministry, 1989. 28, 28 p.  
*Bilingual. CSI 55111.001. ISSN 0702-6684*  
MICROLOG 90-03749 1 fiche

This annual report outlines the major activities and accomplishments of the Ministry. It includes a statement of revenue and expenditure, and reviews the Ontario Drug Benefit Program.  
HE ON PR

**Ontario. Ministry of Housing : Annual  
report 1988-89**

Toronto : The Ministry, 1989. 24, 24 p.  
*Bilingual. CSI 55126.001. ISSN 0835-0213*  
MICROLOG 90-05059 1 fiche

This annual report provides information on the housing supply policy, the rent review, building programs wing, and the Ontario Housing Corporation. Along with financial statements, a description of the social housing wing, and the corporate resources management wing is also included.  
ON PL PR SA

**Ontario. Ministry of Industry, Trade  
and Technology : Annual report 1987-88**

Toronto : The Ministry, 1988. 12, 12 p. : ill.  
*Bilingual. CSI 55112.001. ISSN 0833-1715*  
MICROLOG 90-06545 1 fiche

The Ministry has a mandate to help the Ontario economy become more competitive in the global market in order to enhance the standard of living, support the growth of quality employment and ensure a favourable investment climate in the province. The annual report discusses activities by Ministry division: Industry and Trade Expansion; Policy and Technology; Small Business, Services and Capital Projects; Northern Industry, Administration and Agencies. A statement of expenditures and organization chart are also included.  
CO ON PR PS SC

**Ontario. Ministry of Labour : Annual  
report 1988-89**

Toronto : The Ministry, 1989. 81 p.  
*CSI 55114.001. ISSN 0318-4641*  
MICROLOG 90-05287 1 fiche

Review of the year's activities and caseloads for the following agencies falling under the Ministry's jurisdiction: Industrial Relations Division, Occupational Health and Safety Division, Labour Policy and Programs, Finance and Administration Division, and other organizations including the Science Policy Advisor, Legal Services Branch, Co-ordinator of French Language Services and Director of Appeals and Communication Branch. Boards and Commissions are also included: Ontario Labour Relations Board, Advisory Council on Occupational Health and Occupational Safety, Workers' Compensation Board and others.  
LA ON PR ST

**Ontario. Ministry of Municipal Affairs :  
Annual report 1988-89**

Toronto : The Ministry, 1989. 16, 18 p.  
*Bilingual. CSI 55115.001. ISSN 0833-1731*  
MICROLOG 90-03167 1 fiche

The mission of the Ministry is to support strong local governance, by guiding local settlement patterns and by guiding and supporting other ministries as they develop and deliver provincial policies and programs that affect local governments. This annual report outlines the major activities and accomplishments of the Ministry.  
MU ON PR



**Ontario. Ministry of Natural Resources. Northwestern Ontario Forest Technology Development Unit : Annual report 1988-89**

Thunder Bay, Ont. : The Unit, 1989. 16 p. Bibliogr. *CSI 56247.001*. MICROLOG 90-06665 1 fiche

Annual report of the Unit, highlighting program activities in technology management, technology transfer, and development and demonstration projects. The report reviews and reports on the status of those approved activities outlined in the 1988/89 work plan, including both projects funded by the Unit and those funded by other organizations and administered by the Unit. Information on funding and a list of technical reports are also included. FO ON PR SC

**Ontario. Ministry of Natural Resources : Annual report 1988-89**

Toronto : The Ministry, 1989. 42, 42 p. : ill. *Bilingual. CSI 55116.001*. ISSN 0383-5901 MICROLOG 90-04361 1 fiche

The mandate of the Ministry is to manage the Crown lands and waters of the Province with programs in wildlife, fisheries, forestry, parks, conservation areas and other outdoor recreation areas, forest fire control, aviation services, land management, water management, and flood forecasting and research. The annual report reviews activities for the year in each of these areas. NR ON PR SC

**Ontario. Ministry of the Environment. Technical Support Section. Northwestern Region : Annual report 1987**

Toronto : The Region, 1988. 65 p. : maps. *CSI 55123.007*. ISSN 0713-9330 MICROLOG 90-01648 1 fiche

Results of the Ministry's air quality assessment program for 1987 in northwestern Ontario. It includes data from 10 communities where long-term monitoring is conducted, plus summaries of special surveys in Thunder Bay. EV ON PR SC ST

**Ontario. Ministry of the Solicitor General : Annual report 1986-87**

Toronto : The Ministry, 1987. v, 70 p. *Bilingual. CSI 55124.001*. ISSN 0380-5794 MICROLOG 90-00280 1 fiche

The ministry is responsible for overseeing law enforcement and public safety across Ontario. This annual report reviews the activities carried out by the Ministry. JU ON PR

**Ontario. Ministry of Transportation : Annual report 1988-89**

Toronto : The Ministry, 1989. 32 p. : ill. *French ed. on the same fiche. CSI 55120.001*. ISSN 0703-6140 MICROLOG 90-05060 1 fiche

The Ministry oversees maintenance, construction, repairs, and management of the Province's highways (including safety and regulation), transit, aviation, marine services, railways, CTCR, truck and bus registration. The annual report reviews expenditures in all these areas. It also gives descriptions on municipal and provincial transportation, engineering and construction and transportation regulation. An organizational chart is included. ON PR SC TR

**Ontario. Office des affaires francophones : Rapport annuel 1988-89**

Toronto : l'Office, 1989. 16, 16 p. *Bilingue. CSI 56197.001*. ISSN 0832-7262 MICROLOG 90-07006 1 fiche

L'Office des affaires francophones de l'Ontario a pour mandat de fournir au ministre délégué aux Affaires francophones l'appui et les ressources nécessaires à l'accomplissement des responsabilités qui lui sont confiées en vertu de la Loi sur les services en français. Ce rapport annuel pour l'exercice se terminant le 31 mars 1989 aborde les sujets suivants: l'organigramme, la Direction des communications, la Direction des politiques et de la recherche, la Direction des services aux ministères, et le Fonds de soutien à la communauté. On trouve, en annexes, l'état financier et une liste de subventions de plus de 10 000 \$. CU ON PA PR

**Ontario. Office of Francophone Affairs : Annual report 1988-89**

Toronto : The Office, 1989. 16, 16 p. *Bilingual. CSI 56197.001*. ISSN 0832-7262 MICROLOG 90-07006 1 fiche

The mandate of the Office is to advise government, its agencies and ministries on matters concerning the Francophone population and the provision of French language services, with the larger concern of maintaining ties with the Francophone community and encouraging its development. This report reviews activities of the branches within the Office and complaints under the French Language Services Act. It also describes the Community Support Fund. Appendices provide a statement of expenditures and a list of grants of over \$10,000. CU ON PA PR

**Ontario. Office of the Ombudsman : Annual report 1988-89**

Toronto : The Office, 1989. 48 p. : ill. *CSI 56164.001*. MICROLOG 90-00470 1 fiche

This annual report provides an overview of the last fiscal year and includes a selection of case summaries which illustrate the varied complaints that come before the Ombudsman. It also presents detailed summaries of recommendation denied cases and tables of all recommendations outstanding from past reports. JU ON PA PR

**Ontario. Office of the Provincial Auditor : Annual report 1988-89**

Toronto : The Office, 1989. 239 p. : ill. *CSI 55125.001*. ISSN 0843-4050 MICROLOG 90-02140 3 fiche

This annual report contains comments on government-wide matters and special reviews, comments on ministry and crown agency audits, the public accounts of the province, the Office, the Standing Committee on Public Accounts and a list of exhibits, along with matters of special interest. CO ON PA PR

**Ontario. Rent Review Hearings Board : Annual report 1987-88**

Toronto : The Board, 1988. 22, 22 p. *Bilingual. CSI 56269.001*. ISSN 0843-5073 MICROLOG 90-01647 1 fiche

The report recalls the genesis of the Board, and contains information on the services and the organizational set-up of the Board. It also includes a statistical summary of the appeal cases processed by the Board during the fiscal year, and detailed statistical tables touching on the Board's different activities. ON PR SA ST

**Ontario. Société d'indemnisation environnementale : Rapport annuel 1988-89**

Toronto : la Société, 1990. 15, 15 p. *Bilingue. CSI 56290.001*. MICROLOG 90-07349 1 fiche

La Société d'indemnisation environnementale (SIE) a été créée le 29 novembre 1985, en vertu de la Partie IX de la Loi sur la protection de l'environnement. La SIE est dirigée par trois administrateurs qui sont nommés par le lieutenant-gouverneur en conseil et dont la liste figure à l'annexe 1. Elle compte également quatre employés qui assurent le soutien juridique, exécutif et administratif. Ce rapport brosse un bilan de l'expérience acquise par la SIE depuis sa création, il y a trois ans. Afin de mieux illustrer cette expérience, on y a inclus un aperçu des différents genres de dossiers qui ont été traités et qui témoignent de la nature des demandes qui sont présentées, ainsi qu'une description sommaire du processus de prise de décision utilisé par le conseil d'administration. CO EV ON PR SC

**Ontario. Tribunal d'appel des accidents du travail : Rapport annuel 1989**

Toronto : le Tribunal, 1990. ii, 37, ii, 35 p. : ill. Bibliogr. *Bilingue. CSI 56231.001*. ISSN 0833-5451 MICROLOG 90-07072 1 fiche

Le Tribunal d'appel des accidents du travail est un tribunal tripartite qui a été institué en 1985 pour entendre les appels interjetés contre les décisions de la Commission des accidents du travail. Le Tribunal est une institution judiciaire distincte, indépendante de la Commission. Ce rapport, qui constitue le rapport du président du Tribunal et celui du Tribunal même, est publié à l'intention du ministre du Travail et des différents groupes intéressés au Tribunal. On y trouve une description du fonctionnement du Tribunal pendant la période visée et un examen de certaines questions pouvant présenter un intérêt particulier. LA ON PR ST

**Ontario. Workers' Compensation Appeals Tribunal : Annual report 1989**

Toronto : The Tribunal, 1990. ii, 35, ii, 37 p. : ill. Bibliogr. *Bilingual. CSI 56231.001*. ISSN 0833-5451 MICROLOG 90-07072 1 fiche

The Workers' Compensation Appeals Tribunal is a tripartite tribunal established by statute in October 1985, to hear and determine appeals from decisions of the Ontario Workers' Compensation Board. It is an independent tribunal separate and apart from the Board. This annual report focuses on the Chairman's report and the Tribunal report covering such issues as implications of Bill 162 amendments, highlights of 1989 cases, pensions, occupational disease and stress, chronic pain, the relationship with the Ombudsman, judicial review, and the appeals process. LA ON PR ST

**Ontario. Workers' Compensation Board : Annual report 1988**

Toronto : The Board, 1989. 44 p. : ill. *CSI 56177.001*. MICROLOG 90-00575 1 fiche

This annual report includes 1988 highlights, a description of the organization structure, the mission statement, the president's report, and the financial report. It lists Board offices. LA ON PR

**Ontario : l'industrie minière d'aujourd'hui**

Toronto : Ministère du développement du Nord et des mines, 1989. 32, 29 p. : ill., cartes géogr. *Bilingue (Ontario mining today)*. MICROLOG 90-04211 1 fiche

Le début de l'exploitation des ressources minérales de l'Ontario remonte à une époque antérieure à la création de la province. L'industrie minière est l'une des premières à



s'être implantée en Ontario et à y avoir suscité l'apparition de centres de peuplement, qui, de simples campements, sont devenus de petites villes, pour se transformer plus tard en d'importants centres urbains, tels que Timmins, Kirkland Lake, Sudbury et Cobalt. Ce document se penche sur la questions et en donne les points saillants.  
NR ON PR SC

**Ontario Advisory Council for Disabled Persons : Annual report 1988-89**

Toronto : The Council, 1989. 29, 29 p. : ill. *Bilingual*. CSI 56230.001. ISSN 0840-8777  
MICROLOG 90-03474 1 fiche

The Council's mandate is to advise the Government of Ontario on matters related to the well being of disabled persons. This annual report outlines the key issues and accomplishments of the Council.  
ON PR SA

**Ontario Advisory Council on Multiculturalism and Citizenship : Annual report 1988-89**

Toronto : The Council, 1989. 10, 10 p. *Bilingual*. CSI 56107.001. ISSN 0710-8990  
MICROLOG 90-03476 1 fiche

This annual report includes a history of the Council, reviews Council activities, and lists council members.  
CU ON PR

**Ontario Advisory Council on Senior Citizens : Annual report 1988-89**

Toronto : The Council, 1989. 32, 34 p. : ill. *Bilingual*. CSI 56108.001. ISSN 0704-2663  
MICROLOG 90-03475 1 fiche

The Council's mandate is to advise the Government of Ontario on matters related to the well being of the aged and aging persons. This annual report outlines the key issues and accomplishments of the Council.  
ON PR SA

**Ontario Advisory Council on Women's Issues : Annual report 1987-88**

Toronto : The Council, 1988. 12, 12 p. : ill. *Bilingual*. CSI 56227.001  
MICROLOG 90-00558 1 fiche

The mandate of the Council is to advise the government on matters pertaining to women's issues. This annual report contains a financial statement, a list of council members, a message from the acting president, and a review of sole mothers support.  
ON PR SA

**Ontario Advisory Council on Women's Issues : Annual report 1988-89**

Toronto : The Council, 1989. 12, 12 p. : ill. *Bilingual*. CSI 56227.001. ISSN 0830-9442  
MICROLOG 90-04359 1 fiche

The Council monitors and assesses existing legislation, policies and programs related to the needs of women; identifies specific areas requiring the attention of the Government and recommends legislation and program changes; consults with groups and holds public meetings, and responds to requests for advice and consultation from the Minister Responsible. Also lists Council members and meetings, conferences and meetings attended, various speaking engagements and groups who addressed the Council. Describes Council's activities in various issue areas.  
ON PR SA

**Ontario Arts Council : Annual report 1987-88**

Toronto : The Council, 1988. 63 p. *Bilingual*. CSI 56110.001.  
MICROLOG 90-03169 1 fiche

This annual report outlines the major activities and accomplishments of the Council and includes an auditor's report.  
CU ON PR

**Ontario Board of Parole : Annual report 1989**

Toronto : The Board, 1989. ii, 18, ii, 18 p. : ill. CSI 56283.001. ISSN 0847-1746  
MICROLOG 90-03601 1 fiche

The Board is responsible for the supervised conditional release of adult offenders sentenced to Ontario provincial correctional institutions. This annual report outlines the major activities and accomplishments of the Board and includes a fiscal summary.  
JU ON PR ST

**Ontario Cancer Treatment and Research Foundation : Cancer in Ontario, 1988 : screening for cancer**

Toronto : The Foundation, 1989. v, 311 p. : ill. Bibliogr. CSI 56111.002. ISSN 0315-9884  
MICROLOG 90-01390 4 fiche

The object of the Foundation is to establish and conduct a program of research, diagnosis and treatment in cancer. This document provides information on education, regional cancer centres, the Ontario Cancer Institute, special services, research programs, epidemiology and statistics, and information systems.  
HE ON PR ST

**Ontario child health study : children at risk**

Toronto : Ministry of Community and Social Services, 1989. iv, 30 p. : ill. Bibliogr. French ed. (*Etude sur la santé des enfants...*) : 90-05342/1. ISBN 0-7729-6288-X  
MICROLOG 90-04999 1 fiche

The Ontario Child Health Study (OCHS) was a province-wide survey of the mental and physical health of a randomly selected sample of more than 3,000 Ontario children aged 4-16, carried out in 1983 as the first part of a longitudinal study. This summary highlights major findings on groups of children at risk for psychiatric disorder, perceived need of professional help for emotional or behavioural problems, and poor school performance. It looks at how well the risk indicators of family on social assistance, one parent in the home, and family living in subsidized housing can identify groups of children with increased rates of the 3 outcomes. Results are presented for the frequency and overlap of the risk indicators and of the outcomes; the strength of the association between the risk indicators and the outcomes, and the extent to which they vary as a function of the child's sex, age, and urban or rural area of residence; the extent to which family dysfunction and low income explain or account for the relationship between a risk indicator and an outcome; and the issues of attributable risk.  
HE ON PR

**Ontario collective bargaining review, 1988**

Toronto : Ministry of Labour, Industrial Relations Division, Office of Collective Bargaining Information, 1989. 15 p. : ill. CSI 55114.003. ISSN 0840-5646  
MICROLOG 90-00745 1 fiche

This report reviews collective bargaining developments in Ontario in 1988. It describes the economic climate in which collective bargaining took place, and analyzes the following: the extent of bargaining and the stages at which settlements were reached; the duration of negotiations and term of agreements; the key negotiations; the wage and benefit changes in major agreements and the incidence of work stoppages.  
LA ON PR ST

**Ontario collective bargaining review, 1989**

Toronto : Ministry of Labour, Industrial Relations Division, Office of Collective Bargaining Information, 1990. 13 p. : ill. CSI 55114.003. MICROLOG 90-05858 1 fiche

This report reviews collective bargaining developments in Ontario in 1989. It describes the economic climate in which collective bargaining took place, and analyzes the following: the extent of bargaining and the stages at which settlements were reached; the duration of negotiations and term of agreements; the issues and key negotiations; the wage and benefit changes in major agreements and the incidence of work stoppages.  
LA ON PR ST

**Ontario Council of Regents for Colleges of Applied Arts and Technology : Annual report 1988-89**

Toronto : The Council, 1989. 24, 22 p. *Bilingual*. CSI 56114.001.  
MICROLOG 90-06949 1 fiche

The Council of Regents' primary role is to provide informed policy advice, for consideration by the Minister of Colleges and Universities, that will promote and encourage the well-being and effectiveness of Ontario's system of colleges of applied arts and technology. This annual report highlights the major activities and accomplishments of the Council and provides a statement of operating expenditures.  
ED ON PR

**Ontario Council on University Affairs : Annual report 1987-88**

Toronto : The Council, 1988. 243 p. CSI 56115.001.  
MICROLOG 90-01308 3 fiche

Contains the full text of all advisory memoranda issued during the year as well as a list of the Council's public meetings for the year and the response of the government to the recommendations made by Council.  
ED ON PR

**Ontario Development Corporations : Annual report 1988-89**

Toronto : The Corporations, 1989. 23, 23 p. *Bilingual*. CSI 56187.002.  
MICROLOG 90-04735 1 fiche

The Ontario Development Corporations are made up of four Crown corporations: the Ontario Development Corporation, the Northern Ontario Development Corporation, the Eastern Ontario Development Corporation and the Innovation Ontario Corporation. The annual report briefly describes different aspects the Corporations are involved in followed by a financial review which provides statements for each of the Corporations as well as audited financial statements that combine the financial positions and results of operations of the Corporations. A list of field offices is also included.  
CO ON PA PR

**Ontario dimensional stone producers : directory 90**

Toronto : Ministry of Northern Development and Mines, 1990. 16, 16 p. *Bilingual* (*Les Producteurs de pierre...*). ISBN 0-7729-6988-4  
MICROLOG 90-05587 1 fiche

Directory featuring the companies which quarry and/or process natural stone in Ontario for dimensional stone products - a measured stone primarily for building construction products, monuments, paving or ornamental use. Listings are given alphabetically by producer for stone quarries, by stone category for stone producers, and alphabetically by processing



companies.  
NR ON PR SC ST

### Ontario Energy Board : Annual report 1988-89

Toronto : The Board, 1989. 25, 27 p. : ill.  
*Bilingual.* CSI 56118.001. ISSN 0317-4891  
MICROLOG 90-04360 1 fiche

Annual report of the Board, presenting an overview of the year's activities, with more detailed information on the relations and regulations of the natural gas and electrical industries, cost awards to intervenors, Board organization and structure, and a glossary of terms.

EN ON PR PW SC

### Ontario Energy Corporation : Annual report 1988

Toronto : The Corporation, 1989. 7 p.  
CSI 56119.001.  
MICROLOG 90-02150 1 fiche

In 1988, the Corporation made further progress in fulfilling the divestment mandate assigned to it by the Government of Ontario. This annual report includes a president's report; a list of the board of directors, officers, and auditors, and financial statements.

EN ON PR SC

### Ontario Film Development Corporation : Annual report 1988-89

Toronto : The Corporation, 1989. 22, 22 p. : ill.  
*Bilingual.* CSI 56228.001. ISSN 0836-1363  
MICROLOG 90-06327 1 fiche

The Corporation has a mandate to contribute to both the cultural and economic health of the province. Its mission is to encourage investment, employment and growth in film and television. This annual report presents the year's highlights by division, and lists projects in production for 1988-89, projects in development for 1988-89, special projects for 1988-89, and international distribution projects. It also contains financial statements.

CU ON PR

### Ontario Fisheries Advisory Council : Annual report 1988-89

Toronto : The Council, 1989. 9, 9 p.  
*Bilingual.* CSI 56181.001. ISSN 0840-7495  
MICROLOG 90-03350 1 fiche

Second annual report of the Council, established in 1987 to advise on various aspects of fisheries management programs. The report describes the responsibilities and operations of the Council, revenue gains from fishing licences and its expenditure, and review of projects. Recommendations to the Minister and the Minister's answers cover the disposition of the incidental catch in Lake Huron, change in the mandate of the fishing licence review committee, assessment of royalties on landings of the commercial fisheries of the Great Lakes, increasing fishing opportunities, and the establishment of local advisory councils in fishing districts. Public concerns and the minister's response include the interaction of Crown land camping and angling, the allocation of funds from the residential licence program to the City of Sault Ste. Marie for the operation of a hatchery, and the use of licence funds in support of the Ministry's Crown land as a development tool (CLADT) program.

FI ON PR SC

### Ontario Food Terminal Board : Annual report 1988-89

Toronto : The Board, 1989. 18 p. : ill.  
CSI 56190.001.  
MICROLOG 90-01045 1 fiche

This document compares the financial statements of 1989 with those of the previous year. A list of various types of leaseholders is included.

AG CO ON PR

### Ontario forest industry statistical reports for 1987

Toronto : Ministry of Natural Resources, 1988. ii, 64 p. : ill. CSI 55116.011.  
MICROLOG 90-00347 1 fiche

Data on 1987 mill licence returns, bark and wood residues production and consumption, and interprovincial and international trade in wood and wood products. An overview of the year's activities is first given, with further details on volume, production of sawmills and panelboard; pulp and paper mills; production and consumption of pulpchips, hogfuel, sawdust, and bark; shipments of wood and wood products from Crown and patent lands; and exports and imports of wood and wood products. Data covers 1977 to the present in various categories.

FO ON PR SC ST

### Ontario French Language Services Commission : Annual report 1988-89

Toronto : The Commission, 1990. 25, 26 p.  
*Bilingual.* CSI 56224.001. ISSN 0835-9415  
MICROLOG 90-06326 1 fiche

Deriving authority from the 1986 French Language Services Act, the Commission reviews the availability and quality of French language services in selected designated areas of Ontario and makes recommendations for improvement in public service agencies, non-profit corporations, government agencies. The Commission was to be dissolved in 1989 when the legislative guarantees of the Act came into effect. This final report discusses the scope of its governing Act and discusses the Commission's mandate, organization, scope and activities for the year. Contains financial statements.

ON PA PR

### Ontario Human Rights Commission : Annual report 1988-89

Toronto : The Commission, 1989. 46, 46 p.  
CSI 56124.001. ISSN 0702-0538  
MICROLOG 90-06546 2 fiche

The policy of the Commission is to ensure that equal rights and opportunities be provided; to promote understanding and compliance with the code; to recommend programs to assist disadvantaged persons or groups; to conduct programs of public information; to examine statutes and make recommendations for reforms and to inquire into incidents of discrimination and act to eliminate conflict. This report focuses on last year's legal developments, the activities of the race relations division, discusses discrimination because of handicap, gives examples of complaints of discrimination and lists decisions of the boards of inquiry and the courts.

JU ON PR SA ST

### Ontario Human Rights Commission policy statement on height and weight requirements

Ontario Human Rights Commission. Toronto : Ministry of Citizenship, 1989. 4, 4 p.  
*Bilingual (Déclaration de principes... exigences...).* ISBN 0-7729-5964-1  
MICROLOG 90-03270 1 fiche

These guidelines contain the Commission's interpretation of the Code provisions as they relate to height and weight requirements-related discrimination.

JU ON PR

### Ontario Hydro. Research Division : Annual report 1988

Toronto : The Division, 1988. 52 p. : ill.  
CSI 56125.009 ISSN 0843-6606  
MICROLOG 90-00569 1 fiche

Annual report of this Division, giving an overview of its activities in the areas of chemical, civil, electrical, mechanical,

metallurgical and operations research. In addition, divisional services and projects are detailed, with the cooperation between this division and others set out. Awards and achievements of the staff are listed, along with resources and costs, publications, and presentations.

EN ON PR SC

### Ontario Hydro. Research Division : Annual report 1989

Toronto : The Division, 1990. 52 p. : ill.  
CSI 56125.009 ISSN 0828-3869  
MICROLOG 90-05131 1 fiche

Annual report of the Division, presenting information on the electrical, chemical, civil, mechanical, and metallurgical branches, as well as divisional services, operations research, presentations and publications by the staff. Divisional projects, resources and costs, awards and achievements are also included.

EN ON PR SC

### Ontario Hydro : Annual report 1989

Toronto : Ontario Hydro, 1990. 52 p. : ill.  
CSI 56125.001  
MICROLOG 90-04730 1 fiche

Ontario Hydro's prime objective is to supply the people of Ontario with electricity at cost while maintaining high standards of safety and service. This annual report covers present and future needs of Ontarians, financial highlights, results and statements of operations. A list of directors and officers and a chart of the Corporate organization is also included.

EN ON PR SC ST

### Ontario Hydro and economic development : a briefing paper

by M. Eliesen. Toronto : Ministry of Energy, 1989. iii, 225 p. : ill.  
MICROLOG 90-01726 3 fiche

This project reviewed the policies and programs of Ontario Hydro and evaluated strategies for improving the utility's potential to stimulate economic activities. The report provides an historical description and analysis of Ontario Hydro's past and current role in economic matters with an evaluation and comparison with the activities of other utilities in Canada. The report also provides a detailed account of the specific policies and procedures of Manitoba Hydro in the building of the Limestone Generating Station, for future application to Ontario Hydro. After an assessment of recent recommendations of the report by the Premier's Council, some general observations and conclusions were made.

EN ON PA PR SC

### Ontario Hydro statistical yearbook : supplement to the eighty-first annual report for the year 1988

Ontario Hydro. Toronto : Ontario Hydro, 1988. 255 p. : ill. CSI 56125.002 ISSN 0382-2834  
MICROLOG 90-04243 3 fiche

Overview of Ontario Hydro's operations during 1988, with supporting data, giving a description of the Corporation and its responsibilities, operations, planning and construction, environmental initiatives, research, and employment equity. Detailed information is given on available electricity supply, capacity and demand, total resources, sales, customers served, transmission lines and circuits, distribution lines, financial matters, power districts, and municipal electric service. Comparative data covers the last 5 years.

EN ON PR SC ST

### Ontario Labour Relations Board : Annual report 1988-89

Toronto : The Board, 1989. 95 p. Bibliogr.  
CSI 56126.001. ISSN 0711-849X  
MICROLOG 90-05509 2 fiche



Contains information on the organizational structure and administrative developments within the Board, a statistical summary and analysis of the caseload, and a section highlighting significant decisions during the year. Also continues to update the legislative history of the Labour Relations Act and notes amendments to the Act that were passed during the year.  
LA ON PR ST

#### Ontario Milk Marketing Board : Annual report 1988-89

Toronto : The Board, 1990. 32 p. : ill.  
*Bilingual. CSI 56194.001.*  
MICROLOG 90-05130 1 fiche

Following the chairman's report on international events which will effect the operation of the Board as a supply management system, the report from the Board covers these topics: milk production and supply management, national dairy policy, pricing, quotas and policy, quality, producer services and pools, milk and cheese marketing, transportation, planning and research, market expansion activities, Board-industry relations, producer licence fees and staff. In addition to normal financial statements, the report includes a statement of market expansion funds, details of grants, statement of quota exchange funds, statement of Dairy Science Research Chair Fund, pool operation, and market-sharing quota levies.  
AG CO ON PR ST

#### Ontario Milk Marketing Board : Rapport annuel 1988-89

Toronto : l'Office, 1990. 32 p. : ill. *Bilingue. CSI 56194.001.*  
MICROLOG 90-05130 1 fiche

Tout d'abord le message du président de l'Office fait mention des événements internationaux qui concerne le système de gestion des approvisionnements. Ensuite, le corps du rapport traite des sujets suivants: la production de lait et la gestion des approvisionnements, la politique laitière nationale, le prix du lait et les quotas, la qualité du lait, les services rendus aux producteurs et les pools des producteurs, lait de transformation et fromage, le transport, planification et recherche, l'expansion du marché, les relations avec l'industrie, droits d'acquisition des permis de production, et le personnel. Enfin, on donne les états financiers détaillés (en anglais). On inclut aussi des statistiques financières concernant des subventions, des quotas, et les recherches.  
AG CO ON PR ST

#### Ontario mineral score, 1988

Toronto : Ministry of Northern Development and Mines, Mineral Development and Lands Branch, 1989. 217 p. : ill. *CSI 55117.004.* ISSN 0714-122X  
MICROLOG 90-00507 3 fiche

Eighth edition of SCORE (Screen Co-ordinated Resource Evaluation), which assists in keeping the mining industry, the general public and the government fully informed on matters pertaining to one of the major industries in Ontario. Information includes volume and value of mineral commodities, employment, wages, production costs, exploration expenditures, fuel and electricity used, smelting and refining, and mining claims, prospectors licences and assessment work. Data is given by both general category and by specific mineral, with comparisons between Ontario and Canadian value and production.  
NR ON PR PS SC ST

#### Ontario mining today

Toronto : Ministry of Northern Development and Mines, 1989. 29, 32 p. : ill., maps. *Bilingual (Ontario : l'industrie minière...).* ISBN 0-7729-5988-9  
MICROLOG 90-04211 1 fiche

Mining and mineral development in Ontario is older than the province itself. It was among the first industries to take hold and attract people, first creating mining camps and then small towns and communities which later grew into major centres such as Timmins, Kirkland Lake, Sudbury and Cobalt. This document looks at the industry in general and discusses specific minerals and their importance.  
NR ON PR SC

#### The Ontario motorist protection plan : summary

Toronto : Ministry of Financial Institutions, 1989. 9, 10 p. *Bilingual (Le Régime de protection...).* MICROLOG 90-01619 1 fiche

Summary of the Ontario motorist protection plan, to be introduced by the Ontario government in an effort to achieve a balance between affordable insurance rates and appropriate benefit levels. It is a comprehensive plan that deals with not only the immediate concerns about cost and compensation, but also the issues of accident prevention, highway safety and consumer protection. The report includes an overview of the current system, then explains the new plan in terms of accident prevention, bodily injury compensation, property damage, regulatory reform, consumer protection, and benefits receivable.  
CO ON PR

#### Ontario municipal affairs lexicon

Ontario. Ministry of Municipal Affairs. French Language Services Branch. Toronto : The Branch, 1989. 240 p. *Bilingual (Lexique des affaires...)* ISBN 0-7729-6513-7  
MICROLOG 90-05005 3 fiche

The terms in this glossary reflect the breadth of municipal affairs vocabulary, under the following general categories: provincial government administration, municipal administration, planning, finance, general administration, and legal terminology. Considerable weight has been given to housing terms.  
MU ON PA PR

#### Ontario Municipal Board : Annual report 1988-89

Toronto : The Board, 1989. 16 p. *CSI 56135.001.*  
MICROLOG 90-05496 1 fiche

The Board has jurisdiction over accounts of schools, public utilities, municipal administration, and through statute authority it governs administration of the Assessment Act, the Planning Act, the Municipal Act, and the Expropriations Act. This annual report reviews the year's current issues in workload and changes in Bills 128 and 100. A list of publications and a description of their computer integration is available. A list of hearings and a financial summary is included as well as charts on statutes from which the Ontario Municipal Board derives jurisdiction and authority, members and administration.  
MU ON PA PR ST

#### Ontario Northland Transportation Commission : Annual report 1988

Toronto : The Commission, 1989. 32 p. : ill. *French ed. on the same fiche.* *CSI 56134.001.* ISSN 0703-072X  
MICROLOG 90-00541 1 fiche

This annual report discusses telecommunication, land passenger services, rail services, norOntario, marine services, and freight services. It includes financial statements.  
ON PR TR

#### Ontario public library statistics, 1987

Toronto : Ministry of Culture and Communications, Libraries and Community Information Branch, 1988. 421 p. *Bilingual*

(Statistiques de bibliothèques...)  
*CSI 55107.003.* ISSN 0827-9861  
MICROLOG 90-02956 5 fiche

Presents data on Ontario totals, general statistics for library boards by size and type, audio-visual services, capital operations, and contracting municipalities.  
CU ON PR ST

#### Ontario Racing Commission : Annual statistical report for 1988

Toronto : Ministry of Consumer and Commercial Relations, 1988. vi, 58 p. : ill. *CSI 56137.001.* ISSN 0228-4560  
MICROLOG 90-03168 1 fiche

This report presents statistical information on thoroughbred racing, standardbred racing, improvement programs, the thoroughbred improvement program, and the standardbred improvement program.  
CU ON PR ST

#### Ontario Science Centre : Annual report 1988-89

Toronto : The Centre, 1989. 19 p. : ill. *Bilingual. CSI 56139.001.*  
MICROLOG 90-05077 1 fiche

The annual report reviews the activities of the past year, and the Centre's major exhibition on sports that took place at the Centre. Reviews general admission, hours and administrative organization data for the Centre as well.  
CU ON PR SC

#### Ontario scrap tires inventory study : final report

R.J. Long Consulting Limited. Toronto : Ministry of the Environment ; Ministry of Energy, 1986. vii, 47 p. : ill., maps. *Bibliogr.* ISBN 0-7729-3554-8  
MICROLOG 90-01706 2 fiche

More than 10 million scrap passenger tire equivalents are generated annually in southern Ontario. This report describes scrap tire generation demographics and reviews current initiatives to reduce, reuse, recover and recycle this component of municipal solid waste. The southern Ontario study area consisted of 41 counties and regions, including 26 cities with populations greater than 50,000 persons. For this study, southern Ontario was subdivided into inventory units representing the 18 Ministry of the Environment administrative districts. A survey of more than 300 scrap tire generators was conducted which included agriculture, aviation, bus, construction, manufacturing, military, municipal, remoulding, retail sales, trucking and tire and casing dealer sectors. The report discusses such recycling and reuse as tire remoulding (retreading), blasting mats, rubber products, and tire grinding and reclaim.  
EN EV ON PR SC TR

#### Ontario Securities Commission : Annual report 1989

Toronto : The Commission, 1989. 24 p. : ill. *CSI 56140.001.* ISSN 0837-4880  
MICROLOG 90-03162 1 fiche

The OSC's mandate is investor protection and fairness and efficiency of the capital markets in Ontario. This annual report outlines the major activities and accomplishments of the Commission. It includes a telephone directory.  
CO ON PR

#### Ontario Shoreline Management Advisory Council : Annual report 1988-89

Toronto : The Council, 1989. 39, 53 p. *Bilingual CSI 56284.001.* ISSN 0844-7217  
MICROLOG 90-05099 2 fiche

Annual report of the Council, including its mandate, suggestions from the government for activities in its second year; a summary of the public and other meetings and presentations



during the year, and recommendations on such topics of concern as lake levels, jurisdiction over various areas of the shoreline, prevention of floods and hazards; shore protection, the shoreline resource, information/education, and the priority of the shoreline management program. A list of information meetings is included.  
EV ON PR SC

#### Ontario Training Corporation : Annual report 1988-89

Toronto : The Corporation, 1989. 12, 12 p. ill. *Bilingual*. CSI 56259.001  
MICROLOG 90-07379 1 fiche

The Corporation's mandate is to stimulate quality training in the workplace. This annual report outlines the major activities and accomplishments of the Corporation for its first year of operation. It includes financial statements.  
LA ON PR

#### Ontario universities benefits survey, 1989-90

prepared by Council of Senior Administrative Officers, Universities of Ontario ; on behalf of Ontario Association of University Personnel Administrators, Ontario Confederation of University Faculty Associations and Council of Ontario Universities. Toronto : The Council, 1990. 2 v. *Contents: Vol. 1 : Benefits excluding pensions -- vol. 2 : Pensions*. CSI 99465.001. ISSN 0711-6896 ISBN 0-88799-250-1  
MICROLOG 90-04723 2 fiche

Contains general benefits questions, and information on Ontario Health Insurance, supplementary health insurance, long-term disability, sick leave entitlement, long term disability, life insurance, survivor benefits, the dental plan, post-retirement benefits, vacation entitlement, sabbatical leave policies, housing loan policies, free tuition policies, parking policies, access to athletic facilities, and daycare.  
ED ON PR

#### Ontario universities statistical compendium, 1970-88, part A : macro-indicators

Council of Ontario Universities. Research Division. Toronto : The Council, 1989. iii, 42 p. CSI 99465.002. ISBN 0-88799-242-0  
MICROLOG 90-02408 1 fiche

This publication measures the real resources available to the Ontario university system as a function of the volume of activity therein. It also compares trends in the resources made available for higher education in other jurisdictions and to other provincially funded activities.  
ED ON PR ST

#### Ontario Waste Management Conference : proceedings

Ontario Waste Management Conference (36th 1989 : Toronto, Ont.). Toronto : Environment Ontario, 1989. xiii, 319 p. : ill., maps. Bibliogr. MICROLOG 90-00425 4 fiche

Papers presented at the conference, beginning with a governmental environmental overview in Canada and Ontario, including the actions of the Environmental Assessment Board and implications for real estate transactions. Further sessions included current and future methods of waste management, air quality management, water quality management, and recycling. Particular locations mentioned included the St. Basile-le-Grand PCB fire cleanup, operating experience at the Swan Hills facility in Alberta, sulphur containment at Inco, Dofasco's approach to water conservation, and the Metro Toronto commercial/industrial solid waste reduction program.  
CI EV ON PR SC

#### Ontario Waste Management Corporation : Annual report 1988-89

Toronto : The Corporation, 1989. 16 p. : ill. CSI 56143.001.  
MICROLOG 90-02574 1 fiche

Ontario lags behind other parts of the industrialized world in the way we manage our hazardous wastes. In western European countries, businesses routinely send their hazardous wastes to central facilities for safe treatment and disposal. The Corporation is proposing to build such a facility themselves. This annual report presents highlights of the year, and discusses the facility, site assessment, market assessment, analytical services, waste reduction, hearings preparation, and communications. It also includes financial statements.  
ON PR PW

#### Ontario Waste Management Corporation proposed waste treatment and disposal facility, Township of West Lincoln, Regional Municipality of Niagara : a funding program for public interest participants : brief

prepared by Ian A. Blue ; on behalf of the Ontario Waste Management Corporation ; for submittal to the Environmental Assessment Board. Toronto : Ontario Waste Management Corporation, 1987. 41 p. Bibliogr. MICROLOG 90-02858 1 fiche

Submission of the Ontario Waste Management Corp. (OWMC) to the funding panel of the Environmental Assessment Board, including a summary of the Phase 3B and 4A funding programs and the technical reports produced, the technical reports which OWMC commissioned relevant to its proposed EA submission, OWMC funding criteria, and samples of funding applications.  
EV ON PR SC

#### Ontario's Energy Choices Conference : the northern perspective : conference proceedings

Ontario's Energy Choices Conference : the northern perspective (1989 : Sudbury, Ont.). Toronto : Ministry of Energy, 1989. 186 p. ill. MICROLOG 90-00398 3 fiche

Addresses from the conference on energy choices in northern Ontario, including an overview of perceptions and choices, supply/demand considerations, industrial perspectives, community perspectives, and new directions.  
EN NO ON PR SC

#### Ontario's labour market : long term trends and issues in the 1990's

Toronto : Ministry of Skills Development, Labour Market and Research, 1990. xiv, 65 p. : ill. *French ed. (Le Marché du travail de l'Ontario...)* : 90-06780/2. CSI 55131.205. ISBN 0-7729-6946-9  
MICROLOG 90-06778 1 fiche

The purpose of this study is to analyze changes in the job mix of Ontario's economy and their implications for skills development. It reviews a number of trends in Ontario's economy that have affected demand in the labour market during the past 28 years. It also provides an analysis of how the mix of jobs in Ontario has evolved over time in response to these changes in the economy. It uses a projection to the year 2000 of trends in the demand for labour across occupations to offer a number of insights into future shifts in the occupational mix and their implications for the educational and training requirements of the work force. In addition, it presents a projection of labour supply growth and changes in the demographic characteristics of the work

force during the decade ahead, along with a review of sources of new labour force entrants with advanced levels of education and training. It concludes with a discussion of labour market issues that will become much more important in the 1990s.  
CO LA ON PR ST

#### Ontario's mineral wealth

Toronto : Canada-Ontario Mineral Development Agreement, 1989. 17, 17 p. : ill. *Bilingual (Richesses minérales...)*. ISBN 0-7729-5645-6  
MICROLOG 90-00870 1 fiche

Pamphlet giving an overview of the mineral geology of Ontario, the history of mining for precious metals, base metals, uranium, iron, and industrial minerals, exploration, description of open pit and underground mining, and the uses for the metals and minerals found.  
● CA NR ON SC

#### Open learning and distance education in Canada

Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1990. 46, 51 p. (Canadian studies resource guide) *Bilingue (L'Enseignement ouvert...)*. ISBN 0-662-5721C-6  
MICROLOG 90-06860 2 fiche

There is a growing understanding and acceptance of open and distance learning approaches by practitioners within the educational community, as well as those working in the private sector. Yet many Canadians remain unaware of the learning opportunities afforded them through the effective application of instructional design and instructional technology. This guide to open learning and distance education in Canada has been prepared for readers who wish to develop an elementary understanding of the current state of open and distance learning in this country.  
CA ED

#### Opening the doors to lifelong learning : empowering undereducated adults : report

British Columbia. Provincial Literacy Advisory Committee. Victoria : Minister of Advanced Education, Training and Technology, 1989. ix, 113 p. ISBN 0-7719-8911-9  
MICROLOG 90-02665 2 fiche

Contains advice from the Provincial Literacy Advisory Committee to the Minister of Advanced Education, Training and Technology concerning an effective strategy to meet the challenge of adult literacy; an effective awareness campaign; innovative and practical approaches to literacy program development, development of a Ministry policy on adult literacy; and plans for celebrating the United Nations International Literacy Year in 1990.  
BC ED PR

#### Operation of the Canadian Multiculturalism Act : Annual report 1988-89

Ottawa : Multiculturalism and Citizenship Canada, 1989. 149, 159 p. *Bilingual*. CSI 22313.002. ISBN 0-662-57218-1  
MICROLOG 90-03483 4 fiche

Reviews the major developments in multiculturalism, covers activities in multiculturalism, highlighting what has been done to support the objectives of the Act, and summarizes the activities and decisions taken in support of the Act by approximately 150 federal institutions.  
CA CU PA

#### Operational testing of two thermal energy storage furnaces

by N.H. Milligan. Toronto : Ontario Hydro, Research Division, 1989. 12 p. (Report ;



no. 89-274-K)

MICROLOG 90-03522 1 fiche

Thermal energy storage is a practical method of shifting on-peak load to off-peak hours. One of the most convenient and largest loads available for shifting in the residential sector is space heating, where a diversified load of approximately 8 kW can be shifted to off-peak periods using such furnaces. This report presents the results of an evaluation of 2 thermal energy storage furnaces in the laboratory. One furnace used a low density crushed rock as the storage medium; the other used high density ceramic brick. The furnaces were tested to determine standby heat loss, operating efficiencies, and safety.  
EN ON PR PS SC

### Operational yields resulting from typical silvicultural treatments under FRDA

prepared for Ministry of Forests, Industry Development and Marketing Branch and Forestry Canada, Pacific and Yukon Region, Economic Analysis Section; by Stephen Smith. S.I. : Forest Resource Development Agreement, 1989. i, 72 p. Bibliogr. (FRDA report ; 099) *Contractor: Stephen Smith and Associates* ISSN 0835-0752 ISBN 0-662-17381-3  
MICROLOG 90-04419 1 fiche

Under the Forest Resources Development Agreement, investments are made which affect the quantity and quality of timber available for harvest in the future. This report provides estimates of the biological responses to different treatments (investments) applied using the PROGNOSIS model, a forest stand simulation model developed by the U.S. Forest Service. The report covers the existing literature and studies in the planting of backlog areas, brushing and weeding and conifer release, juvenile spacing, fertilization, spacing and fertilization, and growth response; a description of the PROGNOSIS model and its use; response estimates for interior species and for coastal species, and operational conditions.  
• BC CA FO PR SC

### Les Opérations de maintien de la paix

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1988. 2 p. Bibliogr. (Fiche d'information ; 4) *L'éd. anglaise (Peacekeeping) sur la même fiche.* ISBN 0-662-95437-8  
MICROLOG 90-01976 1 fiche

L'objectif des opérations de maintien de la paix est de favoriser l'arrêt des hostilités et de protéger la paix entre pays ou collectivités en conflit, au moyen d'interventions non-violentes. Pour ce faire, des forces multinationales, des contingents militaires ou des unités de la police civile, selon le cas, jouent le rôle de surveillants impartiaux. Cette fiche d'information se penche particulièrement sur les opérations de maintien de la paix.  
• CA EX

### Opportunities and limitations for harvesting and processing Iceland scallops

by T. Venvik and O. Vahl. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 76 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5191) *Originally published in Norwegian, by Universitetet i Tromsø at Tromsø, Norway* ISSN 0704-3716  
MICROLOG 90-00074 1 fiche

Evaluation of the opportunities for utilizing Iceland scallop resources and of how harvesting and processing technology is to be adapted for Norwegian conditions. The report includes a general overview of the biology of Iceland scallops, their distribution, density, food

uptake, propagation and growth; possible harvesting techniques and arrangement, equipment, and organization on board the fishing vessel; an evaluation of possible products and processing technologies; and an economic evaluation of markets, price levels, and costs.  
• CA CF FI SC

### Opportunities for health care professionals in northern Alberta

Peace River, Alta. : Northern Alberta Development Council, 1989. 81 p. : ill. MICROLOG 90-00924 1 fiche

This document provides a description of northern Alberta, and discusses opportunities in the north. It also contains profiles of community health care centres.  
AL HE LA PR

### Opportunities for technology transfer in communications in New Brunswick : final report

Government of New Brunswick, Atlantic Canada Opportunities Agency. Fredericton : Applied Management Consultants, 1990. ii, 50 p. MICROLOG 90-06983 1 fiche

The federal Dept. of Communications (DOC) is seeking opportunities to transfer technology developed at their research facilities, particularly that carried out at the Communications Research Centre (CRC) and the Canadian Workplace Automation Research Centre (CWARC). New Brunswick is also interested in opportunities for increasing its base of technology-related business and developing advanced technological applications. This study was undertaken in response to both these interests and was managed by a steering committee of DOC and provincial government representatives. The economic sectors included fisheries, mining, justice, environment, forestry, transportation, municipal affairs, information systems, and health services. Information was gathered through visits to CRC and CWARC and structured group interviews from the relevant sectors, then selection of the highest potential technology transfer candidates and development of a strategy for the use of each.  
• AP CA PS SC TE

### L'Opposition dans un régime parlementaire

par G. Schmidt. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. 23 p. Bibliogr. (Etude générale ; BP-47F) *L'éd. anglaise (The Opposition in a parliamentary...) sur la même fiche.* MICROLOG 90-01917 1 fiche

Ce document porte sur l'opposition dans un régime parlementaire. Il traite des points suivants : le gouvernement et l'opposition dans les démocraties parlementaires; le rôle de l'opposition au Canada; les droits et responsabilités de l'opposition; l'exemple de la 32<sup>e</sup> législature (1980-1984); et, l'étape suivante: le rôle de l'opposition au cours de la 33<sup>e</sup> législature (1984-1988).  
CA PA

### The Opposition in a parliamentary system

by G. Schmidt. Ottawa : Library of Parliament, Research Branch, 1988. 21 p. Bibliogr. (Background ; BP-47E) *French ed. (L'Opposition dans un régime...) on the same fiche.* ISBN 0-660-13283-4  
MICROLOG 90-01917 1 fiche

The paper examines the government and opposition in parliamentary democracies; the opposition's role in Canada; opposition rights and responsibilities: the case of the 32<sup>nd</sup> parliament, 1980-1984; and opposition during the 33<sup>rd</sup> parliament, 1984-1988.  
CA CI PA

### Optical technologies : CD-ROM and other compact discs : characteristics, production and market -- Rev.

by J.V.T. Knoppers and M. Simoneau. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1988. ii, 46 p. : ill. Bibliogr. *French ed. (Technologies optiques...)* : 90-05465/1. ISBN 0-662-16556-X  
MICROLOG 90-05468 1 fiche

This paper provides an overall picture of optical technologies by describing the technical aspects of compact discs and the CD-ROM production process. Also discusses the optical technology market.  
CA PS SC TE

### An Optimal algorithm for weighted minimax flow centers on trees -- Rev.

by H.A. Eiselt and M. Gendreau. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 8 p. Bibliogr. (Publication ; no. 634)  
MICROLOG 90-06420 1 fiche

Let a tree be given with supplies assigned to its nodes and weights assigned to its edges. The problem considered here is to locate a facility so that the flow pattern which results from shipping all supplies to the facility is such that it minimizes the largest weighted flow on any individual edge. Some properties of such facility locations are first derived and then a linear time algorithm for their determination is given.  
PR PS QU SC TR

### Optimisation de certains facteurs de production en exploitation minière souterraine : thèse

par M. Laflamme. Québec : Université Laval, Faculté des sciences et de génie, 1989. xv, 167 p. : ill. Bibliogr. *Entrepreneur: L'Association des mines de métaux du Québec, inc. CANMET contract: 79182-01-SQ.* MICROLOG 90-05651 2 fiche

Le premier chapitre de ce document présente une étude bibliographique qui vise à démontrer l'originalité et le caractère personnel de cette démarche. Le chapitre suivant sert à établir les bases du travail accompli. On y retrouve un sommaire des trois mines participantes, suivi d'une liste des informations utilisées pour chaque mine, puis d'une présentation de trois outils informatiques appliqués à ces données, soit : analyse de régression multiple, création d'une base de connaissances; et, réseaux de neurones. Finalement, la conclusion met en relief les principaux points dégagés de l'étude, ainsi qu'une série de recommandations concernant des avenues ultérieures de recherche dans le secteur.  
• CA CM NR PS QU SC

### Optimization in the decommissioning of uranium tailings : a report

MacLaren Plansearch Inc. Ottawa : Atomic Energy Control Board, 1987. vi, 270 p. : ill. Bibliogr. (Research report ; INFO-0321)  
MICROLOG 90-04406 4 fiche

Detailed examination of the problem of choosing the optimal decommissioning approach for uranium and mill tailings sites. Various decision methods are discussed and evaluated, and their application in similar decision problems are summarized. The report includes, by means of a demonstration, a step-by-step guide to how cost-benefit, cost-effectiveness, multi-attribute utility theory and decision system techniques can be applied to a decommissioning problem. The strengths and weaknesses of the various methods are highlighted.  
CA EV NR SC



# Optimizing infrared detection for bridge deck deterioration

by T. Masliwec. Toronto : Ministry of Transportation, Research and Development Branch, 1990. iii, 57 p. : ill. Bibliogr. MICROLOG 90-05555 1 fiche

Infrared thermography is used in non-contact, non-destructive testing of bridge decks for deterioration. The thermographic images, in mapping the ambient temperature levels of the surveyed deck, identify areas of relative heat concentration that correlate well with subsurface delaminations in the deck. While the system is capable of mapping such deterioration in exposed or asphalt covered decks, operational limits, due to weather conditions, inhibit its year-round use. This report describes research studies undertaken to develop a theoretical heat transfer model for different types of bridge deck, to assess the validity of the theoretical model by collecting field data and performing correlation tests, and to provide guidelines for the application of the infrared imaging system relative to the ambient conditions at test sites. ON PR SC TR

# Options : housing for older Canadians : conference proceedings

Options : housing for older Canadians (1988 : Halifax, N.S.). Ottawa : Canada Mortgage and Housing Corporation, 1989. ii, 163 p. French ed. (Logements pour les canadiens...) : 90-05746/3. MICROLOG 90-05748 2 fiche

The Conference was the first-ever national forum for the cross section of people involved in housing for seniors: seniors themselves, builders and developers, financial institutions, health care and support service professionals, architects, gerontologists, non-profit organizations and government agencies at all levels. These proceedings are a summary of each of the sessions at the Conference. CA CI SA

# Ordovician oil shale-source rock sediments in the central and eastern Canada mainland and eastern Arctic areas, and their significance for frontier exploration

by G. Macauley...et al. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1990. iv, 51 p. : ill., maps. Bibliogr. (Paper : 90-14) ISSN 0068-7650 ISBN 0-660-13595-7. MICROLOG 90-05937 1 fiche

Organic geochemistry (including Rock-Eval pyrolysis, total organic carbon analyses, and chromatography of the saturate extract fractions) and optical microscopy data (including maceral identification, reflectance and fluorescence determinations) are examined and the stratigraphic relationships of 8 organic-rich deposits are reviewed. Regional distribution of the organic-rich zones, kerogen typing, thermal maturation conclusions and petroleum product characterizations are analyzed for their significance to adjacent frontier exploration areas. AP CA EN NO NR SC

# Ordre des audioprothésistes du Québec : Rapport annuel 1986-87

Québec : l'Ordre, 1987. 29 p. CSI 67151.017. MICROLOG 90-04378 1 fiche

Rapport présenté au ministre responsable de l'application des lois professionnelles conformément aux dispositions du Code des professions. Contient un résumé des activités professionnelles pour l'année et un rapport de chacun des comités. Inclut aussi les états financiers. LA PR QU

# Ordre des chiropraticiens du Québec : Rapport annuel 1988-89

Québec : l'Ordre, 1989. 39 p. : ill. CSI 67151.002. ISBN 2-9801675-0-9 MICROLOG 90-04368 1 fiche

Rapport présenté au ministre responsable de l'application des lois professionnelles conformément aux dispositions du Code des professions. Contient un résumé des activités professionnelles pour l'année et un rapport de chacun des comités. Inclut aussi les états financiers. LA PR QU

# Ordre des techniciens en radiologie du Québec : Rapport annuel 1988-89

Québec : l'Ordre, 1989. 28 p. CSI 67151.004. MICROLOG 90-04364 1 fiche

Rapport présenté au ministre responsable de l'application des lois professionnelles conformément aux dispositions du Code des professions. Contient un résumé des activités professionnelles pour l'année et un rapport de chacun des comités. Inclut aussi les états financiers. LA PR QU

# Ordre des technologues des sciences appliquées du Québec : Rapport annuel 1988-89

Montréal : l'Ordre, 1989. 19 p. CSI 67151.013. MICROLOG 90-04366 1 fiche

Rapport présenté au ministre responsable de l'application des lois professionnelles conformément aux dispositions du Code des professions. Contient un résumé des activités professionnelles pour l'année et un rapport de chacun des comités. Inclut aussi les états financiers. LA PR QU

# Organic parameters in reagent water and effluents

Ontario. Ministry of the Environment. Quality Assurance Office. Toronto : The Office, 1989. 64 p. : ill. (Interlaboratory study : 88-1) MICROLOG 90-03231 1 fiche

Interlaboratory performance studies, or round robins, are conducted to assess the comparability of data among different laboratories and help in the identification of biases, precision or accuracy problems and in improving individual laboratory performance and maintaining performance standards. The Ontario Ministry of the Environment instituted an on-going program of round robins to assess and promote the performance of environmental laboratories providing analytical services for a variety of different programs. Round robin 88-1 was designed to assess the analytical variability of organic parameters in reagent water and 2 different effluent matrices. Eight laboratories were invited to participate: 1 government lab, 2 industrial labs, and 5 commercial labs. Two sets of 9 samples were distributed to each participant, consisting of spiked reagent water and two different spiked effluents. One set of samples was spiked with volatile organic compounds and the other set of samples was spiked with extractable organic compounds. This report gives the results of those tests. EV ON PR SC

# L'Organisation du loisir municipal au Québec

Québec : Ministère du loisir, de la chasse et de la pêche, 1989. 30 p. : ill. ISBN 2-550-19877-8 MICROLOG 90-01793 1 fiche

Depuis le Sommet québécois du Loisir, de nombreuses études ont permis de combler en partie l'absence de données sur la pratique du loisir des Québécois. La situation concernant l'organisation du loisir, et principalement dans

les municipalités de moins de 5 000 habitants, demeure cependant peu connue. Lors de la dernière année d'application du Programme national de soutien aux activités de loisir municipal (PNSALM), le ministère du Loisir, de la Chasse et de la Pêche a doublé son formulaire d'inscription d'un questionnaire sur le mode d'intervention en loisir dans les municipalités. Ce document fait la lumière sur le sujet. CU MU PR QU

# Organisation et financement des services de transport en commun en France

par M. Beaulé et L. Beaulieu. Québec : Gouvernement du Québec, Ministère des transports, 1988. 89 p. (Etudes et recherches en transports) (Systèmes de transport) ISBN 2-550-18929-9 MICROLOG 90-01785 2 fiche

L'état du développement des services au Québec appelle une révision des orientations passées. De ce point de vue, l'expérience française peut s'avérer fort pertinente. L'histoire récente du développement des transports urbains dans ce pays est en effet assez semblable à celle du Québec. Ce document porte essentiellement sur l'organisation des services de transport en commun en France; le financement; le transport scolaire; et les agglomérations de Lyon, de Grenoble et d'Annecy. PR QU SC TR

# Organisation temporelle du travail sur les navires de la Garde côtière canadienne : impacts physiologiques et psychologiques

préparé pour le Centre de développement des transports, Group des politiques et de la coordination, Transports Canada : par René Boulard, Marie-Alice Telle-Lamberton [et] Michel Vézina. Montréal : Université Laval, Groupe interdisciplinaire de recherche sur l'organisation, la santé et la sécurité du travail, 1989. xvi, 254 p. : ill. Bibliogr. MICROLOG 90-07187 3 fiche

L'objectif de cette étude est de recueillir des données systématiques sur les répercussions physiologiques et psychologiques des horaires de travail en vigueur sur les navires de la Garde côtière canadienne. Ce document présente une étude entreprise sur le NGCC visant à examiner les impacts physiologiques et psychologiques des horaires de 12 heures pendant 28 jours consécutifs. L'étude se penche particulièrement sur la synthèse des connaissances, l'analyse ergonomique, l'étude chronobiologique; et, les conclusions et recommandations. CA HE LA

# Organisation temporelle du travail sur les navires de la Garde côtière canadienne : impacts physiologiques et psychologiques : rapport sommaire

préparé pour le Centre de développement des transports, Group des politiques et de la coordination, Transports Canada : par René Boulard, Marie-Alice Telle-Lamberton [et] Michel Vézina. Montréal : Université Laval, Groupe interdisciplinaire de recherche sur l'organisation, la santé et la sécurité du travail, 1989. v, 19 p. : ill. Bibliogr. L'éd anglaise (Scheduling of work.. summary...) 90-07191/1. MICROLOG 90-07197 1 fiche

L'objectif de cette étude est de recueillir des données systématiques sur les répercussions physiologiques et psychologiques des horaires de travail en vigueur sur les navires de la Garde côtière canadienne. Il s'agit essentiellement de documenter les effets des horaires afin de les rendre plus efficaces, et de proposer certaines modifications applicables à tous les navires. Ces horaires présentent



quelques caractéristiques spéciales: il s'agit d'horaires quotidiens de 12 heures prenant place à l'intérieur d'un cycle de 28 jours consécutifs de travail suivi d'une période égale de repos et affectant tout l'équipage d'un navire. Non seulement le travail en mer est-il particulier, mais la mission même du navire où le recueil des données sur le terrain a été effectué est spéciale: recherche et sauvetage. CA HE LA

### Les Organismes centraux : leur rôle

par L. Fortin. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 22 p. Bibliogr. (Etude générale ; BP-201F) L'é.d. anglaise (Central agencies...) sur la même fiche. ISBN 0-660-92706-3 MICROLOG 90-01885 1 fiche

Cette analyse est axée sur le contexte historique et les changements récents qui ont touché le Cabinet du Premier ministre, le Bureau du Conseil privé, le Bureau des relations fédérales-provinciales et le Secrétariat du Conseil du Trésor. On fait également mention de la contribution du ministère des Finances, étant donné que les publications récentes dans ce domaine reconnaissent clairement à ce ministère un rôle important dans le processus d'élaboration des politiques fédérales. CA PA

### Organization of municipalities

Edmonton : Municipal Statutes Review Committee, 1990. iii, 41 p. (Legislation paper ; no. 2) MICROLOG 90-04600 1 fiche

This document covers the following sections of the draft legislation: organization of the council, elected officials, administration, and corporate responsibilities. It includes a summary of the comments received on the Preliminary Draft Legislation Paper No. 2 as an appendix at the end of this paper. AL JU MU

### Organizational and spatial frameworks for state of the environment reporting

by G. Sheehy. Ottawa : Canadian Wildlife Service, State of the Environment Reporting Branch, Strategies and Scientific Methods Division, 1989. vi, 37 p. Bibliogr. French ed. (Rapport sur l'état de l'environnement...) on the same fiche. ISBN 0-662-16865-8 MICROLOG 90-03097 1 fiche

State of the Environment (SOE) reporting is designed to provide high quality, comprehensive assessments of environmental conditions and trends. This report compares alternative organizational and spatial reporting frameworks, and analyzes their strengths and weaknesses as a basis for guiding resource managers preparing SOE reports. The report also explains how different authors and different countries have approached the complex task of reporting conditions and trends in their environment, and explains the utility and value of SOE methods. • CA EV SC

### Organizations assessing their needs

by D. Cameron, S. Humphries and D. Pleitsch. Toronto : Ministry of Agriculture and Food, 1989. 2 p. Bibliogr. (Factsheet) ISSN 0225-7882 MICROLOG 90-01818 1 fiche

Organizations periodically review what they do and have done to determine how closely this corresponds to what was intended and whether any changes are needed. This document presents 10 questions, 5 which help determine the present state of the organization, and 5 which focus on the organization's future direction. AG ON PA PR

### Organizing and Financing Energy Efficiency Projects in Public Buildings : proceedings

Organizing and Financing Energy Efficiency Projects in Public Buildings Seminar (1988 : St. John's, Nfld.). St. John's : Dept. of Mines and Energy, 1989. 62 p. MICROLOG 90-03771 1 fiche

A seminar held in St. John's on March 29, 1988 introduced the energy performance contracting (EPC) concept to a diverse group with various responsibilities for the operation of provincial facilities. Speakers explained the applications of this process to energy efficiency retrofits for public buildings and outlined procedures, discussed benefits, and gave advice concerning EPC projects. This report presents questions and answers highlighting the main points of discussion, followed by the written notes of the seminar speakers. AP EN PL PR SC

### Organizing for the homeless

by J. Ward. Ottawa : Canadian Council on Social Development, 1989. xiv, 117 p. Bibliogr. ISBN 0-8810-390-5 MICROLOG 90-01342 2 fiche (Available on fiche only)

This document offers concrete guidance about organizing, such as: how to get people out to meetings and how to make things happen once they are there; how to deal with public sector bureaucrats and politicians; and how to create your own media. CA SA

### Orientations : examen des organismes administratifs de l'Ontario : aperçu

Toronto : Conseil de gestion du gouvernement de l'Ontario, 1989. 29, 28 p. Bilingue (Directions : review of Ontario's...). ISBN 0-7729-5922-6 MICROLOG 90-02614 1 fiche

L'administration d'une province de la taille de l'Ontario est une tâche très complexe qui exige des milliers de personnes et des centaines d'organisations. Le pouvoir d'adopter des lois appartient à la législature tandis que la supervision et l'application quotidiennes de ces lois ont été déléguées à plus de deux douzaines de ministères, 85 000 fonctionnaires et 580 organismes. Ce document donne un aperçu de ce que représentent les organismes administratifs de l'Ontario. ON PA PR

### Orientations : portrait statistique de l'université au Canada, 1990

Ottawa : Association des universités et collèges du Canada, Division de la recherche, des politiques et de la planification, 1990. 121, 119 p. : ill. Bilingue (Trends : the Canadian...). CSI 99408.006. ISSN 0847-5482 ISBN 0-8876-122-8 MICROLOG 90-03600 3 fiche

Renfermant des tableaux établis à l'aide de données publiées principalement par Statistique Canada, ce document se veut un dossier de consultation rapide sur l'état de l'université au Canada. Il renferme des renseignements de base sur les inscriptions, les grades, diplômes et certificat, le corps professoral, les finances, et la recherche. • CA ED ST

### ORNAMENT : Ontario road noise analysis method for environment and transportation : technical document

by V. Schroter and C. Chiu. Toronto : Environment Ontario, Noise Assessment and Systems Support Unit, 1989. iv, 71 p. : ill. Bibliogr. ISBN 0-7729-6376-6 MICROLOG 90-04273 1 fiche

Background and description of a procedure to predict road traffic noise based on road traffic

parameters, receiver description and topographical features. The Ministry of the Environment requires the use of this method to assess the noise impact from existing roadways on planned residential land uses, to assess the noise impact of roadway projects, and to establish the ambient noise level criterion for approval of new noise sources and for complaint investigation. Based on a model developed by the U.S. Federal Highway Administration, ORNAMENT evaluates a reference sound level and adjusts it by a series of adjustments accounting for the gradient of the roadway, the pavement surface, the distance between the road and the receiver, the topography and any shielding obstructing the sound path. It is valid from 15 m to about 500 m, with decreasing accuracy after that distance. The method does not apply to traffic volumes less than 40 vehicles per hour and to speeds less than 50 km/h. EV ON PR SC TR

### L'OTAN : Organisation du Traité de l'Atlantique Nord

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1988. 2 p. (Fiche d'information ; 2) L'é.d. anglaise (NATO : North...) sur la même fiche. ISBN 0-662-94840-8 MICROLOG 90-01979 1 fiche

Le Canada, les Etats-Unis et la plupart des pays d'Europe appartiennent soit à l'OTAN (Organisation du Traité de l'Atlantique Nord), soit au Pacte de Varsovie (également appelé Organisation du Traité de Varsovie ou OTV). Ces deux organisations sont en fait des alliances, c'est-à-dire des groupes guidés par des intérêts communs. Dans le contexte des relations internationales, une alliance suppose habituellement que les membres partagent des intérêts militaires. Les alliances que sont l'OTAN et l'OTV ont pour objet d'empêcher toute attaque contre leurs membres respectifs. Cette fiche fait la lumière sur l'OTAN. • CA EX

### L'OTAN dans le nouveau contexte international

par M. Rossignol. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 25 p. Bibliogr. (Etude générale ; BP-205F) L'é.d. anglaise (NATO in a changing world) sur la même fiche. ISBN 0-660-92710-1 MICROLOG 90-01901 1 fiche

Depuis la création de l'OTAN en 1949, la cohésion de l'Alliance a été mise à rude épreuve par une longue succession de crises politiques causées par des frictions entre ses membres, des divergences sur la stratégie militaire et des appréciations changeantes de la menace qu'elle a mission de contrer. Ce document se penche sur le malaise de l'Alliance et sur la position de l'OTAN à l'ère de Gorbatchev. Cependant, on porte une attention toute particulière aux sujets suivants: le relâchement du lien entre les Etats-Unis et l'Europe occidentale, les répercussions du Traité INF, l'Allemagne de l'Ouest et la modernisation des missiles nucléaires de courte portée, les conséquences de la stratégie défensive soviétique, l'avenir des alliances. CA EX

### The Other shoe : the GST : stage two of tax reform

by R.D. Brown. Toronto : C.D. Howe Institute, 1989. 16 p. Bibliogr. (Fiscal policy monitor ; no. 3) ISSN 0843-641X MICROLOG 90-01017 1 fiche

This document examines reasons for replacing the federal sales tax, the basic mechanics of the value-added tax, and difficulties in convincing Canadians of the need for a general sales tax. • CA CI CO



**Ottawa-Carleton (Ont.) : Annual report 1989**

Ottawa : The Municipality, 1990 32 p. ill.  
 CSI 89171.002  
 MICROLOG 90-06939 1 fiche

This annual report outlines the major activities and accomplishments of the Council. It identifies its future agenda, and provides financial statements. It also includes a five-year review. The environment, sustainable development, financial preparedness, and institutional change are discussed in the report.  
 MU ON PA

**Our parks : vision for the 21st century**

Task Force on Park Establishment (Canada).  
 Waterloo, Ont. : University of Waterloo,  
 Heritage Resources Centre, 1987. xiv, 77 p. :  
 ill. Bibliogr. ISBN 0-921245-06-8  
 MICROLOG 90-02177 1 fiche

This document discusses the imperative of protecting Canada's natural heritage, and opportunities for public support, economic benefits, and support of aboriginal peoples. In addition, it presents an action plan for natural areas of Canadian significance.  
 CA CU EV

**Our two official languages over time**

Ottawa : Office of the Commissioner of Official Languages, 1990. xiii, 40, xiii, 44 p. *Bilingual (Nos deux langues...)*.  
 MICROLOG 90-07166 2 fiche

This chronology summarizes recent legislation, both federal and provincial, as well as changes made by departmental regulations, administrative decisions, and by judicial interpretation, which has affected the status of English and French in Canada. To understand the significance of the statutes and amendments, it goes further back and establishes what the previous status of these languages had been.  
 CA CU

**Un Outil interactif-graphique de planification de zones de livraison**

par A. Langevin. Montréal : Université de Montréal, Centre de recherche sur les transports, 1990. 11 p. Bibliogr.  
 (Publication ; no. 687)  
 MICROLOG 90-06639 1 fiche

Cet article propose une méthode interactive-graphique pour résoudre la première phase, i.e. le regroupement des points par véhicule. L'objectif du document est de déterminer la forme et les dimensions des secteurs de livraison (chaque secteur étant affecté à un seul véhicule) de façon à minimiser la distance totale parcourue par l'ensemble des véhicules. Les véhicules partent d'un dépôt commun, se rendent à leur secteur de livraison puis, après avoir visité tous les clients de leur secteur, reviennent au dépôt. Finalement, le document présente des formules analytiques qui permettent de prévoir la longueur des tournées en fonction du nombre de points à visiter et de l'aire à couvrir.  
 PR QU SC TR

**Outlawing an ancient evil : torture : Convention against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment : initial report of Canada**

Ottawa : Multiculturalism and Citizenship Canada, 1989. 56, 60 p. Bibliogr. *Bilingual (Mise hors la loi d'une abomination...)*. ISBN 0-662-56979-2  
 MICROLOG 90-02464 2 fiche

The United Nations 'Convention against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment' was adopted by the United Nations General Assembly on December 10, 1984, and came into effect on June 26,

1987. On June 24, 1987, Canada ratified the Convention. This report, which mainly covers the period from July 24, 1987 to March 31, 1988 places the Convention in the context of the Canadian constitutional system and outlines measures in force at the federal, provincial and territorial levels to give effect to the provisions of the Convention.  
 BS CA JU SA

**Ovarian structure and plasma steroid hormones of triploid female rainbow trout**

by M. Nakamura...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5334) *Originally published in Japanese.* ISSN 0704-3716  
 MICROLOG 90-01473 1 fiche

Advantages with the sterility of triploid female salmonid sterility are many in culturing, among them cessation in the decline in growth which accompanies maturation, and avoidance of death after spawning. This report observed the microstructure of the ovaries of rainbow trout which had reached maturity, as well as measuring the plasma steroid hormones. The specimens were reared for 21-27 months and were triploid fish obtained through the high-temperature treatment of fertilized eggs. A group of diploid mature females were used as a control group.  
 • CA CF FI LS SC

**Overview : Canada and the United Nations**

Ottawa : External Affairs Canada, 1989. 12 p. (Canadian foreign policy series) *French ed. (Vue d'ensemble : le Canada...)* : 90-02611/1.  
 MICROLOG 90-01433 1 fiche

This document describes the history of the Charter, how the present United Nations operates, the General Assembly, the United Nations and the arms race, and the organization of the United Nations. It also presents information on the United Nations' involvement with economic assistance and development, human rights, and international law.  
 CA EX

**An Overview of present studies, problems and efforts related to health promotion in Québec**

Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 27, 27 p. Bibliogr. *Presented at the National Symposium on Health Promotion and Disease Prevention Bilingual (Un Survol des études, problèmes...)*  
 MICROLOG 90-00038 1 fiche

Paper identifying some of the reasons for the problems in health care in Quebec, including cardio-vascular diseases, nutrition, physical activity, smoking, alcoholism and other addictions, responsible sexuality, injuries, highway accidents, mental health, independent living for seniors, healthy towns and villages, and subsidized community health projects. For each of these topics, there is a statement of the problem, objectives, activities begun, and references given. The results of a survey by Quebec Hospital Association on professional activities are also given.  
 • CA HE QU

**An Overview of the Railway Safety Act**

Ottawa : Transport Canada, Surface Group, Railway Safety Directorate, 1990. v, 28, v, 31 p. *Bilingual (Aperçu de la Loi sur...)* ISBN 0-662-57418-4  
 MICROLOG 90-06019 1 fiche

The Railway Safety Act came into force on January 1, 1989. This booklet describes the fundamental principles on which the regulation

of railway safety is based, the regulatory framework and the methodology of implementation of the Act. Related legislation is also described.  
 CA SC TR

**Owikeno Lake (Rivers Inlet, statistical area 9) fall sockeye salmon escapement survey, 1989**

by I. Winther, S.K. Bachen and R.D. Goruk. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. iii, 13 p. (Canadian data report of fisheries and aquatic sciences ; no. 794) ISSN 0706-6465  
 MICROLOG 90-07171 1 fiche

Owikeno Lake (statistical area 9) is the largest sockeye salmon producing system in the Central Coast. Sockeye returns to Owikeno Lake support commercial fisheries held in the lower reaches of Rivers Inlet. Sockeye salmon are enumerated in the spawning streams of Owikeno Lake annually from September to October. This report presents the result of the 1989 survey. River systems were surveyed approximately every 10 days, weather and water conditions permitting. Sampling strategy was to collect hypural length, sex and otoliths from the first 100 dead fish in each of the 10 streams surveyed. Female sockeye from the Washwash River were sampled for fecundity and 50 fish were seined from the mouth of the river and sampled for hypural length, and number of eggs. Scales and otoliths were collected for aging.  
 • BC CA CF FI SC

**OWMC treatment facility : preliminary physical/chemical treatability tests : final report**

Zenon Environmental Enterprises, Ltd  
 Toronto : Ontario Waste Management Corporation, 1987. iv, 61 p. : ill. Bibliogr  
 MICROLOG 90-02860 1 fiche

Ontario Waste Management Corp.'s (OWMC) proposed physical/chemical treatment plant will be designed to treat wastes which are primarily organic in nature. However, these wastes also contain varying concentrations of inorganic contaminants which must also be removed, destroyed and/or detoxified. The specific types and concentrations of organics likely to be present in these wastes are not known. There is, at the present, very little information available on the partitioning behaviour of organics between the solid and liquid phases in actual wastes which are subjected to physical/chemical treatment. This study provides the first step to collecting this information. The study focuses on using a single inorganic waste which contains some organics and is spiked with a range of additional organic contaminants of potential concern. Treatment was carried out using treatment processes of the type which have been included in the preliminary design of OWMC's physical/chemical treatment plant.  
 EV ON PR SC

**Oxide characterization : Pickering 'A' feeders**

by V.S. Chew. Toronto : Ontario Hydro, Research Division, 1989. v, 42 p. : ill. Bibliogr. (Report ; no. 89-3-K)  
 MICROLOG 90-00411 1 fiche

Oxides on the Pickering Units 1, 2 and 3 inlet and outlet feeders were examined and compared to earlier results to identify whether the oxide character plays a major role in limiting decontamination radiation field reductions. The information will also be used to estimate the total Co-60 and oxide inventory on the carbon steel surfaces and IX resin requirements for the planned Unit 3 decontamination in 1989. Analytical techniques employed include scanning electron microscopy to determine the surface morphology; energy dispersive X-ray fluorescence spectrometry to



identify the inactive elements on the oxide; X-ray diffraction to identify the structure of the oxide (whether the iron-oxide is magnetite or hematite); gamma spectrometry and atomic absorption spectrophotometry to obtain the depth profiles of both radioelements and inactive elements.  
EN ON PR PS SC

### Les Oxydants dans le traitement de l'eau potable : revue bibliographique

par les Laboratoires des Techniques de l'eau inc. ; pour le Bureau de coordination de la recherche et du développement et la Direction des eaux souterraines et de consommation, Ministère de l'environnement du Québec. Québec : Gouvernement du Québec, Ministère de l'environnement du Québec, Bureau de coordination de la recherche et du développement ; Direction des eaux souterraines et de consommation, 1988. ix, 239 p. Bibliogr. ISBN 2-550-19889-1 MICROLOG 90-02825 3 fiche

Cette revue de littérature décrit l'état des connaissances actuelles sur les oxydants dans le traitement de l'eau. Le chlore, le dioxyde de chlore, les chloramines, l'ozone, le permanganate de potassium et le peroxyde d'hydrogène y sont décrits sous les aspects suivants: description générale, efficacité biocide, rémanence, contrôle des goûts et odeurs, sous-produits formés, toxicologie, coûts, etc. On y décrit brièvement les combinaisons d'oxydants peroxyde d'hydrogène et chlore et peroxyde d'hydrogène et ozone, de même que quelques autres oxydants dont l'utilisation reste marginale. Cette étude met en évidence les lacunes dans les connaissances actuelles.  
EN EV NR PR QU SC

### Oxyfluorfen (Goal) trials with bareroot forest seedlings in British Columbia, 1987

by D.B. Trotter and G.M. Shrimpton. Victoria : Forest Resource Development Agreement ; Ministry of Forests, 1989. vi, 22 p. : ill. Bibliogr. (FRDA report ; 092) ISSN 0835-0752 ISBN 0-7726-1022-3 MICROLOG 90-02642 1 fiche

Herbaceous weeds are a serious problem in forest nurseries, affecting the growth and survival of seedlings by reducing the efficiency of fertilizers and irrigation, and harbouring tree-damaging insects and pathogens. A promising herbicide which has been registered for use in U.S. forest nurseries since 1979 is oxyfluorfen (Goal). On the basis of its potential and extensive use in nurseries in the U.S., oxyfluorfen was chosen by the Canadian Forest Nursery Weed Management Assoc. as a candidate for registration. A standardized oxyfluorfen trial was designed by the Association to facilitate and coordinate weed control and crop tolerance data from different regions of Canada. The trials were conducted across the country, and provided information on the tolerance of 1 plus 0 and 2 plus 0 bareroot Douglas-fir and lodgepole pine to oxyfluorfen, and the degree of herbicide efficacy in controlling weeds commonly found in B.C. forest nurseries.  
• BC CA FO SC

### Oxygen isotope composition of sulphate produced during bacterial oxidation of metal sulphides : dependence upon O2 pressure and oxygen isotope compositions of H2O and O2

by H.R. Krouse. Calgary, Alta : University of Calgary, Dept. of Physics, 1989. 74 p. : ill. Bibliogr. CANMET contract: 89161-01-SS MICROLOG 90-05675 1 fiche

The oxygen isotope composition of sulphate produced during sulphide oxidation is highly variable, with the mechanism a combination 'oxidation-hydrolysis' in which oxygen can be

incorporated from O2 and H2O molecules. In 1987, experiments were conducted using not only pyrite but other metal sulphides. In some of these experiments, there was substantial background carry over from the inoculum. It was clear that the participation of the water molecule in the reaction was substantial but the extent to which it was by direct reaction or isotope exchange with reaction intermediates was still debatable. To resolve these alternatives, further experiments were designed which incorporated 18O-enriched O2 as well as H2O, were conducted at different O2 pressures and were conducted with postulated intermediates of the oxidation reaction with or without enzymes. This report describes the results of those experiments.  
• CA CM NR PS SC

### Oyster culture in the US (5)

by J. Hori. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 12 p. (Canadian translation of fisheries and aquatic sciences ; no. 5405) Originally published in Japanese. ISSN 0704-3716 MICROLOG 90-01539 1 fiche

Paper describing the beginnings and current operation of oyster culture on the Pacific coast of the United States, including a description of the methods used for propagation and their success  
• CA CF FI LS SC

### Pacific Forestry Centre : Program review 1988-89

Victoria : The Centre, 1989. 85 p. : ill. Bibliogr. CSI 21144.002. ISSN 0839-2439 ISBN 0-662-17231-0 MICROLOG 90-03036 1 fiche

Annual review of programs in forest growth and biology, forest renewal and environment, forest protection and forest development. The objectives, achievements and projections of each program are described, as well as general administration, planning and research. An organization chart is included, along with expenditures for the year.  
BC CA FO SC

### Pacific initiatives in global trade : papers and proceedings, and related documents

Pacific Trade Policy Forum of the PECC ; edited by H. Edward English. Halifax : Institute for Research on Public Policy, 1990. xviii, 396 p. Bibliogr. ISBN 0-88645-105-1 MICROLOG 90-05970 5 fiche

This publication focuses on the current 'Uruguay Round' of GATT negotiations. In particular the Forum discussed those issues of highest priority to Pacific countries. This volume contains the major addresses, panel discussions, background papers on specific issues, and panel presentations of a group of professional economists reflecting their identification of the elements of consensus that emerged during the Forum discussions.  
• CA CO EX

### Pacific National Exhibition Planning Committee report

Pacific National Exhibition (Vancouver, B.C.). Planning Committee. Vancouver : The Committee, 1989. 43 p. : ill. MICROLOG 90-00035 1 fiche

Includes a report of the strategic planning committee, the Stevenson Kellogg Report on trade and Consumer Show Industry in B.C., 3 PNE position papers, the York-Hannover letter to the PNE, and a brief from the B.C. Jockey Club.  
BC CU PR

### Pacific Stock Assessment Review Committee (Canada) : Annual report 1988

by M. Stocker... et al., editors. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. vii, 231 p. : ill. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2020) CSI 21105.026. ISSN 0706-6473 MICROLOG 90-00502 3 fiche

Annual report of the Committee, giving highlights of the year's activities, terms of reference of the Committee and Steering Committee members, and a list of meetings and working papers. Advisory documents on Pacific salmon and the management of shellfish, groundfish, and herring for 1989 are included in their entirety.  
BC CA CF FI SC

### Pacific Stock Assessment Review Committee (Canada) : Annual report 1989

Nanaimo, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, Pacific Biological Station, 1990. vii, 236 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2064) CSI 21105.026. ISSN 0706-6473 MICROLOG 90-05313 3 fiche

Annual report of the Committee, which provides biological advice on the status of Pacific fisheries resources. An overview of the year's activities is given, as well as terms of reference of the Committee, a list of meetings and working papers and advisory documents produced.  
BC CA CF FI SC

### Package pollution and the environment

by J.R. Robertson. Ottawa : Library of Parliament, Research Branch, 1989. 23 p. Bibliogr. (Background ; BP-216E) French ed. (Les Emballages...) on the same fiche. ISBN 0-660-13493-4 MICROLOG 90-05363 1 fiche

Environmentalists have developed a 3-pronged approach to waste management: reduce, re-use, and recycle. Packaging is one area where waste could be reduced. This paper reviews the issue of excessive packaging and attempts to reduce it both within Canada and abroad, concluding with a general assessment of different approaches.  
CA CI EV SC

### PAH and heavy metal pollution of the Sydney Estuary : summary and review of studies to 1987

by J.H. Vandermeulen. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. ix, 48 p. : ill., maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 108) ISSN 0711-6774 MICROLOG 90-05155 1 fiche

First reports of unexpected and very high levels of benzo(a)pyrene in lobsters taken from the Sydney estuary came in 1980. Subsequent environmental surveys of various potential PAH-sources in the area indicated the Sysco coking facility and the nearby 'tar pond' in Muggah Creek as the likely sources of hydrocarbon contamination, with runoff and effluent from these apparently polluting the entire waters and biota of the greater Sydney estuary. This report summarizes the data to 1987 on heavy metal and to a lesser extent PAH contamination of estuarine bottom sediments. The report describes the local setting, including Muggah Creek and the tar-ponds, and coal-tar as a contaminant, then describes the input of PAH and heavy metals to the water and air. The contaminant effects into Sydney Harbour, and their mutagenic, histopathological and



ecosystem effects, are then discussed.

• AP CA CF FI SC

### La Paix en notre temps? Un programme d'action canadien pour les années 1990

par B. Wood. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1989. 55 p. En tête du titre: *Analyse de la conjoncture, 1989-90. L'éd. anglaise (Peace in our time...)* : 90-02838/1. ISBN 0-662-95857-8  
MICROLOG 90-03621 1 fiche

Ce document fait le point sur la paix dans le monde. Il se penche particulièrement sur le sommaire thématique; le démantèlement des structures de la Guerre froide, les réductions des armes et des changements des relations Est-Ouest, la politique de défense du Canada, les conflits régionaux et le règlement des conflits; et, les pertes de vie attribuables directement ou non à la guerre, entre 1945 et 1989.

• CA EX

### Pangnirtung : a community study

Yellowknife : Dept. of Education, 1986. 99 p. ill.  
MICROLOG 90-02654 2 fiche

Pangnirtung is situated in the Davis Region of the Canadian Shield. This area extends from Ellesmere Island to North Labrador. This document discusses the geography; history, the modern community; social aspects; entertainment and recreation, of Pangnirtung.  
CU NO NP PR

### Papers presented at the 33rd annual Manitoba Society of Soil Science Meeting

Manitoba Society of Soil Science. Meeting (33d : 1990 Winnipeg, Man.). Winnipeg : Manitoba Agriculture, 1990. iv, 305 p. : ill., maps. Bibliogr. CSI 41100 019.  
MICROLOG 90-06268 4 fiche

Papers presented at the annual meeting, covering classification and interpretation, management, and chemistry and fertility. Abstracts are given for each paper  
AG MS PR SC

### Parametric study of icebreaking bow forms

by D. Carter. Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1990. xv, 87 p. : ill., fold. ill. Bibliogr.  
MICROLOG 90-07195 2 fiche

A study of icebreaking resistance has been conducted for the last 8 years to explore the possibility of deriving, on purely analytical grounds, a relatively simple model, sensitive to both hull characteristics and environmental conditions, which could predict ship resistance to continuous motion through level ice and provide a better understanding of the complex interactions of the ship-ice interface. A totally new analytical approach was proposed by Carter in 1983 and a computer program ICEBREAK was developed which could predict the normal and the frictional components of the icebreaking force at any point along the hull-ice interface. This report gives an overview of the whole project, emphasizing its last phase of bow form optimization for level ice performance. The report covers the mode of approach and assumptions, ice failure criterion, bow geometry definition, level ice resistance, correlation analysis, influence of ship and ice parameters, and bow form optimization.  
CA NO PS SC TR

### Parahyacadrilus gen. n. *Oligochaeta, Tubificidae*

by L.N. Snimshchikova. Ottawa : National Research Council, Canada Institute for

Scientific and Technical Information, 1987. 12 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5286) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-02129 1 fiche

Description of *Parahyacadrilus* gen. n. and *P. aspersus* sp. n. from northern Lake Baikal. The new genus also includes 2 European species transferred from the genus *Rhyacadrilus*: *P. ekmani* (Piquet) and *P. palustris* (Ditlevsen). A key to species of the genus *Parahyacadrilus* is included.  
• CA CF FI LS SC

### Parasites of fishes from Algonquin Park lakes

by A.O. Dechtiar, J.A. MacLean and S.J. Nepszy. Toronto : Ministry of Natural Resources, 1989. 19 p. Bibliogr. (Ontario fisheries technical report series ; no. 29) ISSN 0227-986X ISBN 0-7729-5819-X  
MICROLOG 90-00196 1 fiche

Survey of parasites of fishes from Algonquin Park lakes between 1961 and 1971. This survey was designed to examine changes in the parasitic fauna since earlier studies concluded in 1942. It also provides a more complete list of parasite species as a supplement to the continuing studies of the factors that influence production of fish. Fish are listed by species, with the number examined and the types of parasites found, the sex of the fish, the site of the parasite, and the percentage of that species involved. The pathology of each type of parasite is also included.  
FI LS ON PR SC

### Parc provincial Missinaibi : choix proposé en matière de zonage et de politiques

Toronto : Ministère des richesses naturelles ; Ottawa : Réseau de rivières du patrimoine canadien, 1990. 37 p. : cartes géogr. L'éd. anglaise (*Missinaibi Provincial Park...*) sur la même fiche. ISBN 0-7729-6767-9  
MICROLOG 90-05635 2 fiche

Ce document vise à présenter des choix quant aux manières dont le ministère des Richesses naturelles exploitera le Parc provincial Missinaibi au cours des vingt prochaines années. Le zonage présenté dans la troisième section vise à protéger les caractéristiques naturelles et culturelles dominantes à des fins récréatives convenables. Les choix de politiques correspondants présentés dans la quatrième section comprennent également des solutions de rechange quant à la gestion des questions particulières. Pour aider à répondre aux choix de planification, le document est présenté sous forme de questionnaire.  
CU NR ON PR SC

### Parcs, distractions et aménagements publics : rapport

Commission royale sur l'avenir du secteur riverain de Toronto (Canada). Groupe de travail sur les parcs, les distractions et les aménagements publics. Toronto : la Commission, 1989. 148 p. : ill., cartes géogr. Bibliogr. (Publication ; no 4) L'éd. anglaise (*Parks, pleasures and public...*) : 90-05437/2. ISBN 0-662-16936-0  
MICROLOG 90-05808 2 fiche

Le Groupe de travail sur les parcs, les distractions et les aménagements s'est vu confier la tâche d'examiner les façons de rendre le secteur riverain de Toronto encore plus accueillant et s'est vu confier le mandat suivant: décrire brièvement les plans et initiatives qui sont en cours dans chacun des domaines thématiques, indiquer les questions qui exigent l'attention de tous les ordres de gouvernement et, surtout, mettre en lumière les nouvelles possibilités dont il serait possible de tirer profit s'il y avait une plus grande

coordination entre tous les gouvernements et autorités publiques. Ce document se penche principalement sur ces questions.  
CA CU MU ON PL SC

### Park data handbook, 1989

Victoria : Ministry of Parks, Park Management Services, 1990. 149 p. CSI 37105 005. ISSN 0828-4237  
MICROLOG 90-05393 2 fiche

Annual compilation of data on parks, total area, facilities, and attendance, by both region and district. Data is given for the current year with comparative data for previous years in some cases. Both alphabetical and numerical lists of parks are included.  
BC CU PR ST

### Parking standards in Alberta's small urban municipalities

Edmonton : Alberta Municipal Affairs, Planning Branch, Parkview Unit, 1989. 64 p. Bibliogr. MICROLOG 90-06832 1 fiche

The purpose of this project is to assemble and compare parking standards for the downtown and commercial areas of a sample of small Alberta municipalities. The representative sample includes towns under the jurisdiction of the Planning Branch, Alberta Municipal Affairs, and municipalities from eight of the province's ten Regional Planning Commissions. The towns surveyed range in size from 1,000 to 6,400 in population. This report should be useful to those small towns that are experiencing parking problems, as well as to towns involved in downtown revitalization projects.  
AL MU SC TR

### Parks and recreation terminology

by H. Tremblay and L. Vincent. Ottawa : Federation of Canadian Municipalities. Translation Bureau, 1981. viii, 116, viii, 114 p. Bibliogr. (Terminologie bulletin ; 171) Bilingual (*Terminologie des loisirs et...*). ISBN 0-660-50813-3  
MICROLOG 90-04844 3 fiche

This terminology covers terms related to parks, recreation facilities, playgrounds and sports fields, as well as a limited number of sports terms and a selected bibliography on sports dictionaries and encyclopedias. The glossary provides equivalents based on the most frequently used Canadian term, or, when no satisfactory Canadian term exists, the term most closely describing the idea or object as it is known in Canada. Explanations are given for terms through formal definitions, the use of the term in context, and sample usage. Each quotation is followed by a number which refers to one of the sources listed.  
CA CU

### Parks Branch Conference : proceedings, 1989

Parks Branch Conference (1989 : Winnipeg, Man.). Winnipeg : Parks Branch, 1990. 54 p. : ill.  
MICROLOG 90-06998 1 fiche

This document discusses building commitment and morale, and future directions. It includes the panelists' presentations. While all presentations added to the success of the conference, space did not allow reporting and duplication of all of the material. Therefore, the Director's presentation, the special speakers presentations and the material contributed by the Branch staff constitute the proceedings.  
CU MS PR

### The Parks Canada glass glossary for the description of containers, tableware, flat glass and closures -- Rev.

by O. Jones. Ottawa : Parks Canada, National Historic Parks and Sites Branch, 1989. 184 p. : ill. Bibliogr. (Studies in archaeology,



architecture and history) ISSN 0821-1027  
ISBN 0-660-13245-1  
MICROLOG 90-04762 2 fiche

The glossary grew out of the need to have a standardized system for the cataloguing of glass artifacts from sites excavated by Parks Canada. It presents information on the general aspects of glass artifacts, such as their colour, condition, and manufacturing techniques. It provides guidance on terminology, measurements to take, and attributes to describe.  
CA CU

#### Parks expenditure policies

prepared jointly by the Depts. of Culture and Recreation, Community Development, Planning and Development, Public Works, Real Estate and Treasury. Hamilton, Ont. : City of Hamilton, 1988. 27 p. : maps.  
MICROLOG 90-01106 1 fiche

Provides policies so that expenditures on acquisitions, development, maintenance and other parks-related matters can be properly integrated with budgetary considerations.  
CU MU ON

#### Parks, pleasures, and public amenities : report

Royal Commission on the Future of the Toronto Waterfront (Canada). Parks, Pleasures, and Public Amenities Work Group. Toronto : The Commission, 1989. 129 p. : ill., fold. map. Bibliogr. (Report : 4). French ed. (*Parcs, distractions et aménagements...*) : 90-05808/2. ISBN 0-662-16936-0  
MICROLOG 90-05437 2 fiche

This report reviews the historical context of the Toronto waterfront, and provides a sectoral analysis of the waterfront between Mississauga and Ajax. It also includes general policy goals and implementation strategies.  
CA CU MU ON

#### Parliamentary Employment and Staff Relations Act : Annual report 1987-88

Ottawa : Public Service Staff Relations Board, 1988. vii, 9, vii, 9 p. Bilingual (*Loi sur les relations...*). CSI 22276.002. ISBN 0-662-55543-0  
MICROLOG 90-00719 1 fiche

This annual report describes the organization of the Board, highlights the activities of the year, and lists personnel. It also presents proceedings before the Board.  
CA JU PA

#### Parliamentary Employment and Staff Relations Act : Annual report 1988-89

Ottawa : Public Service Staff Relations Board, 1989. vii, 9, vii, 11 p. Bilingual (*Loi sur les relations...*). CSI 22276.002. ISBN 0-662-55543-0  
MICROLOG 90-02779 1 fiche

Contains the year in brief, and reports on the proceedings before the Board. It also provides a table showing bargaining units and bargaining agents under the parliamentary Employment and Staff Relations Act.  
• CA LA PA

#### Parliamentary Forum on Global Climate Change

Parliamentary Forum on Global Climate Change (1990 : Ottawa, Ont.). Ottawa : House of Commons, Office of the Speaker, 1990. xviii, 264, xix, 274 p. : ill. Bilingual (*Forum parlementaire sur...*)  
MICROLOG 90-05943 6 fiche

This forum was organized to bring a number of Committees of the House of Commons together in joint hearings on a topic of great general interest. The forum covered public attitudes and perceptions, the scientific dimensions, and policy implications. Expert witnesses from industry, transportation, energy,

fisheries, forestry, agriculture, labour, and the health disciplines gave their views, followed by a question and answer period. This document is a transcript of the forum, including keynote speakers, expert witnesses, and the joint committee sessions.  
CA CI EV SC

#### Part-time work -- Rev.

by M. Baker. Ottawa : Library of Parliament, Research Branch, 1989. 14 p. Bibliogr. (Current issue review : 85-7E) French ed. (*Le Travail à temps partiel*) on the same fiche. ISBN 0-660-13522-1  
MICROLOG 90-05730 1 fiche

Over the past three decades, part-time workers increased from 3.8% of all those employed in Canada in 1953 to 15.6% in 1986. This paper defines part-time work, and describes types of part-time workers. It also discusses condition of work, the long-term implication of part-time work, major studies of part-time work, and the federal government as employer. It includes information on parliamentary action on this matter.  
CA CI LA

#### Un Partenaire pour le développement de la politique de santé mentale

Québec : Gouvernement du Québec, Ministère de la santé et des services sociaux, Comité de la santé mentale du Québec, 1990. 27 p. : ill. Bibliogr. ISBN 2-550-20422-0  
MICROLOG 90-04931 1 fiche

Le Comité de la santé mentale du Québec est un organisme gouvernemental de planification et d'évaluation en santé mentale qui est rattaché au Ministre de la Santé et des Services sociaux. Ce document porte sur la nature du Comité; la structure du Comité; l'organigramme; les membres du Comité; les membres des Groupes d'experts du Comité; les éléments historiques et bibliographiques; et, les coordonnées du Comité.  
HE PR QU SA

#### Partenaires dans la croissance : une vision de l'industrie agro-alimentaire canadienne

Ottawa : Agriculture Canada, 1989. 81 p. : ill. L'éd. anglaise (*Growing together...*) : 90-02026/1. ISBN 0-662-95712-1  
MICROLOG 90-02027 1 fiche

Les 20 dernières années ont mis à rude épreuve la collectivité agricole canadienne. L'expansion des années 1970, suivie d'une croissance de l'endettement, de la sécheresse et des guerres commerciales des années 1980, ont montré clairement la vulnérabilité du secteur face aux marchés changeants, aux facteurs économiques et au climat. Ce document aborde principalement les points suivants: la vigueur du secteur agro-alimentaire canadien; les motivations d'un examen de la politique; le choix d'une nouvelle perspective; les orientations en vue du changement; et la mise en pratique des principes.  
AG CA CO SC

#### Partenaires pour l'avenir : stratégie d'adaptation et de mise en valeur des ressources humaines pour les années 1990

Québec : Ministère de la main-d'oeuvre, de la sécurité du revenu et de la formation professionnelle, 1989. 21, 19 p. Bilingue (*Partners for people...*). ISBN 2-550-20255-4  
MICROLOG 90-00934 1 fiche

Au cours de la prochaine décennie, le Canada devra s'adapter à des changements structurels fondamentaux et répondre à de nouvelles exigences en termes de compétences, alors que son économie sera davantage dominée par l'activité nouvelle qui se manifeste dans les secteurs de la technologie, des services et de

l'information. La pierre angulaire de cette évolution sera les ressources humaines, des ressources humaines dotées des compétences voulues pour entrer de plain-pied dans le XXI<sup>e</sup> siècle. Le document examine la diversité en tant que prémisses fondamentales; les défis des années 1990; les investissements dans les ressources humaines; et les initiatives fédérales.  
• CA LA

#### A Partially annotated guide to selected fish bibliographies, 1738-1988

by E. McLean, C.C. McLean and E.M. Donaldson. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989. iv, 43 p. (Canadian technical report of fisheries and aquatic sciences ; no. 1717) ISBN 0706-6457  
MICROLOG 90-03427 1 fiche

Compilation of 228 selected fish-oriented bibliographies. Of those cited, 150 are specific for 18 individual Orders which cover more than 40 families and over 100 individual species. The bibliographies listed provide a means of gaining access to approximately half a million ichthyological citations from ante-1597-1988. Brief annotations provide a means of identifying the content and scope of coverage offered by certain of the bibliographies. Each reference is indexed by author and subject.  
• CA CF FI LS SC

#### Participación comunitaria en la prestación de servicios urbanos en Asia

editores: Y.M. Yeung, T.G. McGee. Ottawa : Centro internacional de investigaciones para el desarrollo, 1986. 307 p. : ill. (Informe : 238s) ISBN 0-88936-474-5  
MICROLOG 90-00946 4 fiche (Available on fiche only)

Abstract unavailable for this document.  
CA EX SA

#### Participation à la réduction du danger en milieu de travail : un atelier

Atelier sur la participation à la réduction du danger en milieu de travail (1988 : Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. 88 p. : ill. ISBN 0-660-92530-3  
MICROLOG 90-01948 1 fiche

La participation à l'hygiène et à la sécurité en milieu de travail est devenue une stratégie de premier plan en vue de réduire les blessures et maladies professionnelles. L'institution de comités mixtes de l'hygiène et de la sécurité sur les lieux de travail comptant un certain nombre d'employés, est exigée par la loi dans tout le Canada. Les 19 et 20 avril 1988, le Centre canadien d'hygiène et de sécurité au travail a tenu un atelier sur la participation à la réduction du danger en milieu de travail. Ce document en présente les résultats.  
• CA HE LA

#### Participation in the Control of Workplace Hazards : a workshop

Participation in the Control of Workplace Hazards (1988 : Hamilton, Ont.). Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1988. 90 p. : ill. ISBN 0-660-13033-5  
MICROLOG 90-00390 1 fiche

Reports on workshop sessions which dealt with: objectives of Occupational Safety and Health Committees; objectives of participation; tools of participation; control of work processes; and control of hazards. The document includes conclusions and recommendations formulated by labour, management, and professionals.  
• CA HE LA



**The Particularities of feeding and the trophic relations of juvenile salmon in the coastal waters of the Iturup Island**

by A.M. Kaev, V.M. Chupakhin and N.A. Fedotova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 8 p. (Canadian translation of fisheries and aquatic sciences ; no. 5468) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-00585 1 fiche

Paper describing the nutrition of juvenile salmon which are born in fresh-water areas. The paper analyzes the feeding and the food supply of these fish and describes the results of monitoring.

• CA CF FI LS SC

**Partir d'un bon pas, pour un avenir meilleur : un modèle intégré de prévention primaire des difficultés affectives et comportementales**

Toronto : Ministère des services sociaux et communautaires, 1989. xi, 193 p. Bibliogr. L'éd. anglaise (*Better beginnings, better future...*) : 90-04230/3. ISBN 0-7729-6149-2  
MICROLOG 90-04387 3 fiche

Document portant sur les points suivants: les programmes de prévention primaire (soins prénatals et enfants en bas âge, enfants d'âge préscolaire, et enfants du cycle primaire); limites de la recherche actuelle en prévention primaire; directives concernant la participation du milieu; question et directives de la recherche; et, modèle intégré de prévention primaire.

BS ON PR SA SC

**Partners at school : a handbook on how to involve Indian and Metis parents in school activities**

edited by Sydney Davis. Regina : Saskatchewan Teachers' Federation ; Saskatchewan Education ; Saskatchewan School Trustees' Association, 1988. iv, 44 p. : ill.  
MICROLOG 90-03977 1 fiche

The document offers teachers and principals practical suggestions for making the involvement of parents an integral feature of the school's policies, programs and operations.

ED MS NP PR

**Partners for people : a human resource adjustment and development strategy for the 1990s**

Quebec : Ministère de la main-d'oeuvre, de la sécurité du revenu et de la formation professionnelle, 1989. 19, 21 p. *Bilingual* (*Partenaires pour l'avenir...*). ISBN 2-550-20255-4  
MICROLOG 90-00934 1 fiche

Discusses the challenges of investing in the skills of the existing workforce, in the skills of displaced workers, in skills for the long-term unemployed, and in basic and entry-level skills. It also proposes means by which to meet these challenges, and presents past and recent federal initiatives.

• CA LA

**Passenger car fleet fuel consumption estimation program : examples of use**

Ottawa : Transport Canada, Road Safety, 1989. iii, 19, iii, 23 p. : ill. Bibliogr. *Bilingual* (*Le Programme d'estimation...*).  
MICROLOG 90-04491 1 fiche

Demonstration of 4 typical applications of a passenger car fleet fuel consumption estimation program. The program is used to determine the effect of various factors on the overall fuel consumption of passenger cars in Canada. The factors studied include changes in average speeds and traffic volumes on urban streets,

changes in average speed on rural highways and freeways, vehicle technology improvements and a shift in the percentage of driving done in each vehicle class. Data for the 1987 Canada passenger car fleet is used and realistic estimates of on-road fuel savings are given. The effect of cold start is not included due to a lack of reliable data.  
CA SC TR

**Paterson Lake area**

compiled by the staff of the Resident Geologist's Office, Kenora. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 24 p. : fold. maps. (Geological data inventory folio ; GDIF 477)  
MICROLOG 90-00708 1 fiche

Geological data inventory for the Paterson Lake area, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical surveys, results of a general index search, and selected references.

NR ON PR PS SC

**Pathways : a study of labour market experiences and transition patterns of high school leavers**

Toronto : Ministry of Skills Development, 1989. xv, 174 p. : ill. *French ed. (Itinéraires : étude de la vie...)* : 90-00822/3. ISBN 0-7729-5593-X  
MICROLOG 90-00841 3 fiche

This study identifies the transition paths of young Ontarians who enter the labour force directly from high school, and the extent to which they secure lasting and stable employment. It also measures the extent to which this group obtains further education or training and specifies the background factors associated with obtaining further education or training, including barriers to this training. In addition, it establishes the impact of further education or training (or lack thereof) on securing lasting and stable employment and income, and on attitudes toward work. Finally it identifies changes over time in transition patterns, and the location of further education and training and the types of programs that are undertaken.

ED ON PR

**Patterns of domestic air pollution in rural India**

by J. Ramakrishna. Ottawa : International Development Research Centre, 1990. ix, 137 p. : ill. Bibliogr. (Manuscript report ; 254e)  
MICROLOG 90-06131 2 fiche (Available on fiche only)

Most people in the world today cook on simple mud stoves and burn unprocessed biomass fuels such as wood, animal dung, and crop residues. The burning of such fuels in simple, unvented cookstoves causes poor air quality in the cooking area, leading to health problems. This report addresses these problems in one north Indian and 2 south Indian villages. Measurements of the cook's exposure to and kitchen concentrations of 2 indicator pollutants were taken in households using different stoves and fuels in a variety of kitchen arrangements. Using these data, information on fuel utilization, and the cooking-related characteristics of each place, the report identifies cultural, environmental, architectural, and policy factors that influence the pattern of domestic air pollution, and arrives at an estimate of their relative influence. Major factors investigated include stove type, fuel type, kitchen location and construction materials, and cooking process and practices, with an emphasis on stove type.  
CA EV EX SC

**La Pauvreté au Canada -- Rév.**

par J. Vance. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 13 p. Bibliogr. (Bulletin d'actualité ; 88-14F) L'éd. anglaise (*Poverty in Canada*) sur la même fiche. ISBN 0-660-92718-7  
MICROLOG 90-01841 1 fiche

Dans les discussions sur les méthodes d'action à adopter, la pauvreté désigne habituellement la situation économique des familles et des personnes seules dont le revenu est inférieur aux 'seuils de pauvreté' définis par Statistique Canada. D'après cet organisme, une famille est dite 'à faible revenu' si elle dépense plus de 58,5 p. 100 de son revenu pour se nourrir, se loger et s'habiller. Les chiffres réels des seuils de pauvreté varient selon la taille de la famille et son lieu de résidence. Ce document fait la lumière sur la question de la pauvreté au Canada.  
CA JU SA

**Pavement maintenance guidelines : distresses, maintenance alternatives, and performance standards**

by G.J. Chong, F.W. Jewer and K. Macey. Toronto : Ministry of Transportation, Research and Development Branch, 1989. iii, 173 p. : ill. ISSN 0226-9414 ISBN 0-7729-5834-3  
MICROLOG 90-03079 2 fiche

Guidelines on how to recognize pavement distresses and its possible causes, how to evaluate the extent and severity of the distresses, the appropriate maintenance treatments for the distresses, and how cost-effective the treatments are when used to correct the distresses.

ON PR PS SC TR

**Pay equity in Ontario : a manager's guide**

edited by David W. Conklin and Paul Bergman. Halifax : Institute for Research on Public Policy ; London, Ont. : University of Western Ontario, National Centre for Management Research and Development, 1990. xi, 115 p. ISBN 0-88645-110-8  
MICROLOG 90-06862 2 fiche

This publication contains papers which address the following issues: how to cope with pay equity legislation; the view from the Commission on pay equity; who is the employer in terms of the Pay Equity Act?; the implication of pay equity on job evaluation systems; some legal issues concerning the Pay Equity Act, definition and implementation of Pay equity at the University of Western Ontario; and management and unions working together for pay equity.  
LA ON PR

**Pay equity in predominantly female establishments : childcare sector**

by S. Anstey. Toronto : Ontario Pay Equity Commission, 1988. 86 p. (Research report I)  
MICROLOG 90-00784 1 fiche

This paper describes the characteristics of the childcare sector in the province and the factors that impact on childcare workers' wages. It also explores alternatives and options to address pay equity within the sector and between other sectors of the economy.  
LA ON PR SA

**Pay equity in predominantly female establishments : health care sector**

by P. Armstrong...et al. Toronto : Ontario Pay Equity Commission, 1988. 170 p. Bibliogr. (Research report I)  
MICROLOG 90-00783 2 fiche

This study collects information necessary to establish which predominately female jobs in the health care sector would have a male job class comparable for the purpose of the Pay Equity Act, 1987. The study emphasizes qualitative rather than quantitative aspects of



the work, focusing on the nature and structure of employment in this sector as well as on proposals from advisory groups and on possible future trends.  
HE LA ON PR SA

### **Pay equity in predominantly female establishments : leather, textile and apparel manufacturing sectors**

by P.L. Bush. Toronto : Ontario Pay Equity Commission, 1988. 73 p. Bibliogr. (Research report I)  
MICROLOG 90-00786 1 fiche

Provides information concerning sector characteristics, occupations and jobs in the sector, employment characteristics and human resource practices, and employees in industries in the leather, textile and apparel manufacturing sector, for the purpose of determining if pay equity comparisons are possible in these sectors, and if not, how the Pay Equity Act can potentially be amended in order to be applicable in these sectors.  
LA ON PR SA

### **Pay equity in predominantly female establishments : manufacturing sector**

Marilyn Evans and Associates. Toronto  
Ontario Pay Equity Commission, 1988. 131 p. (Research report I)  
MICROLOG 90-00788 2 fiche

This study examines: industries in the sector; the number of establishments by industry and by size, the proportion of female employees and employment within industry divisions by size of establishment; occupations and compensation paid; human resources policies; employee and employment characteristics, the historical development, current challenges, and future directions of industries in the sector; and pay equity issues and options.  
LA ON PR SA

### **Pay equity in predominantly female establishments : retail sector**

Marilyn Evans and Associates. Toronto  
Ontario Pay Equity Commission, 1988. 71 p. (Research report I)  
MICROLOG 90-00787 1 fiche

This study examines: industries in the sector; the number of establishments by industry and by size, the proportion of female employees and employment within industry divisions by size of establishment; occupations and compensation paid, human resources policies; employee and employment characteristics; the historical development, current challenges, and future directions of industries in the sector, and pay equity issues and options.  
LA ON PR SA

### **Pay equity in predominantly female establishments : tourism sector**

Sayer and Associates. Toronto : Ontario Pay Equity Commission, 1988. 87 p. : maps (Research report I)  
MICROLOG 90-00785 1 fiche

The purpose of this study is to provide a qualitative review of sub-sectors within the tourism industry which predominantly employ female workers. It addresses tourism as a whole to clarify certain issues pertaining to all sub-sectors and to provide a background for the discussion. It examines selected sectors of the industry presenting the most predominantly female first.  
CU LA ON PR SA

### **Pay equity in small workplaces**

Toronto : Pay Equity Commission of Ontario, 1989. 107 p. French ed. (*L'Équité salariale dans les petites...*) : 90-06514/2. ISBN 0-7729-5811-4  
MICROLOG 90-04594 2 fiche

This publication briefly explains pay equity and some implementation issues unique to small

workplace. It suggests simple and cost-effective job comparison systems that can be used in small workplace. It also provides exercises to assist in designing a system and advice on communicating pay equity in an organization.  
CI LA ON PR SA

### **Pay equity reports, vol. 1**

editors: Mary Anne McKellar, Phyllis Gordon ; associate editor: Mary Ealon. Toronto : Pay Equity Hearings Tribunal, 1990. xxi, 193 p.  
MICROLOG 90-03556 3 fiche

Contains selected decisions of the Pay Equity Hearings Tribunal, accompanied by summaries of the decisions in English and French. Each decision is also annotated with a list of the cases, statutes, rules and authorities referred to in it. It also contains separate consolidated indices of all cases, statutes, rules, and authorities referred to throughout the volume.  
LA ON PR

### **PC control user's manual**

Ottawa : Atlantis Scientific Systems Group Inc., 1989. v, 95 p. : ill. *Development of process control software : final report (13 p.) laid in.* CANMET contract: 89044-01-SQ  
MICROLOG 90-02546 2 fiche

Description of the various steps in the development of process monitoring and control software package for the hydrocracking reactor, including the choice of an appropriate microcomputer, the conversion of the user interface program and the background program, training and test support, enhanced PC control features, modification of code structure, inclusion of an intelligent multi-port I/O board, serial communications RS232 to current loop conversion, real-time graphing facility, stand alone diagnostics programs, and an information reporting feature. A user's manual is also included.  
● CA CM EN PS SC

### **Peace and security thesaurus**

Ottawa : Canadian Institute for International Peace and Security, 1990. i, 109, i, 115 p. Bibliogr. Bilingue (*Thésaurus de la paix...*). ISSN 1180-3800 ISBN 0-660-55773-8  
MICROLOG 90-07052 3 fiche

The thesaurus is used to index and give subject-access to information in the field of peace and security. It is a controlled vocabulary of related terms used to describe and access a specific domain of knowledge.  
● CA EX

### **Peace in our time? A Canadian agenda into the 1990s**

by B. Wood. Ottawa : Canadian Institute for International Peace and Security, 1990. 47 p. At head of title: *Director's annual statement 1989-90. French ed. (La Paix en notre...)* : 90-03621/1. ISBN 0-662-17520-4  
MICROLOG 90-02838 1 fiche

This statement by the director highlights issues and events of the past year, and draws attention to important future issues. Opportunities for Canadian interests and action form the basis of the review and forecast.  
● CA CI EX

### **Peacekeeping**

Ottawa : Canadian Institute for International Peace and Security, 1988. 2 p. Bibliogr. (Factsheet ; 4) French ed. (*Les Opérations de maintien...*) on the same fiche. ISBN 0-662-16948-4  
MICROLOG 90-01976 1 fiche

The purpose of peacekeeping is to help end armed conflict and to maintain peace between disputing countries or communities through nonviolent means. This is accomplished using military personnel or, in some cases, civilian police acting as neutral monitors. These personnel are chosen from the international

community. This factsheet presents a synopsis of the role of peacekeeping in armed conflicts, including principles necessary for a peacekeeping operation, their functions and history, and Canada's involvement.  
● CA CI EX

### **Peak and residual strength envelopes established by confined shear test method**

by M. Gyenge. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1988. x, 126 p. : ill. Bibliogr. (Report , MRL 88-35(TR))  
MICROLOG 90-01325 2 fiche

An increasing amount of Canadian underground mining will take place under high stress, deep mining conditions. The increasingly sophisticated analysis needed for good mine design will require even more accurate constitutive equations to describe the strength and deformational properties of the rock mass. This report is an account of the development and verification of procedures involved in a novel test concept referred to as the confined shear test method for establishing the frictional and strength properties of jointed rocks.  
● CA CM NR PS SC

### **Peary caribou status report**

report prepared for the Committee on the Status of Endangered Wildlife in Canada ; by F.L. Miller. Edmonton : Canadian Wildlife Service, 1990. iii, 64 p. Bibliogr.  
MICROLOG 90-06267 1 fiche

Peary caribou on the Queen Elizabeth Islands of the Canadian High Arctic are a uniquely Canadian species which have suffered a continual overall drastic decline of about 90% in the past 3 decades. This status report is an evaluation of the 1987 status of the herd. The report includes background information on their distribution both world-wide and in Canada; the protection currently given them; the population size and trends on Queen Elizabeth Islands and the southern tier of islands south of 74N; their habitat and general biology; their limiting factors; and the special significance of the species.  
● CA EV LS NO SC

### **Peat and peatland resources of northwestern Ontario**

by J.L. Riley and L. Michaud. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. x, 175 p. : ill., maps. Bibliogr. (Ontario Geological Survey miscellaneous paper ; 144) Fold. maps not filmed. ISSN 0704-2752 ISBN 0-7729-6136-0  
MICROLOG 90-01899 2 fiche

This inventory provides information on the possible energy and horticultural potential of the resource, and assists in land use planning and deposition by assembling data on the distribution, frequency and types of peatlands. During the inventory, 16 large study areas were the focus of detailed field surveys, reconnaissance and remote sensing studies, and laboratory analysis of peat materials. This report is one of 3 regional summaries, covering 88,000 sq km in northwestern Ontario, in the Armstrong, Rainy River, Ignace, Sioux Lookout, Longlac-Nakina and Dryden-Lac Seul areas. The report integrates field studies, laboratory studies and regional resource estimates.  
AG EN ON PR SC

### **Peatland acidity budgets and the effects of acid deposition**

by J.A. Wood. Ottawa : Environment Canada, Canadian Wildlife Service, Sustainable Development Branch, 1989. x, 34 p. : ill. Bibliogr. (Discussion paper ; no. 5) French ed. (*Bilans d'acidité des...*) on the same fiche.



ISBN 0-662-16953-0  
MICROLOG 90-06357 1 fiche

Summary of the literature on recent research concerning peatlands chemistry and interactions with acid deposition, focusing on the chemical interactions within the soil, since these control the retention or release of mineral acidity. Other topics addressed include the relative roles of organic vs. mineral acids in the acidity budget of peatlands, nitrogen and sulphur dynamics, and the mobility of other ions.  
CA EV SC

### Les Pêches canadiennes, sommaire statistique, 1988

Ottawa : Ministère des pêches et des océans, Direction générale de l'analyse économique et commerciale, Division de l'analyse économique et des statistiques, 1990. v, 26 p. : ill. *Bilingue (Canadian fisheries statistical...)*. CSI 21105.009. ISSN 0840-7169 ISBN 0-662-57402-8  
MICROLOG 90-05418 1 fiche

Publication constituant un résumé des informations statistiques sur les débarquements, la production, les exportations et les importations de l'industrie canadienne de la pêche en 1988. Les aspects importants des changements observés au niveau des espèces et des produits sont expliqués dans la partie narrative.  
CA CF FI SC ST

### Les Pêches maritimes du Québec : revue statistique annuelle, 1988-89

Québec : Ministère des pêches et des océans, Division de la statistique et de l'informatique, 1990. xxxv, 273 p. : ill. CSI 21105.025. ISBN 0-662-96307-5  
MICROLOG 90-07225 4 fiche

Les données contenues dans cette publication proviennent du système statistique de la région du Québec du ministère des Pêches et des Océans du Canada. Ce système se compose de trois modules, tous utilisés pour la production de ce rapport : prise-emploi-contingents, personnes-bateaux-permis et enfin celui de la production et de la main-d'œuvre des usines de transformation. Le document se penche particulièrement sur les points suivants : la liste des tableaux et des figures ; la méthodologie ; le territoire maritime ; les signes conventionnels et la définition des termes utilisés ; les effectifs ; l'accessibilité à la ressource, les débarquements au Québec ; et, la répartition sectorielle des débarquements.  
CA CF FI QU SC ST

### Le Pédagogie au collégial 20 ans après : de l'adolescence à la maturité : actes du colloque

Association québécoise de pédagogie collégiale. Colloque (7e : 1987 : Montréal, Québec). Montréal : Association québécoise de pédagogie collégiale ; Ministère de l'enseignement supérieur et de la science, 1988. 114 p. Bibliogr. ISBN 2-9801203-0-8  
MICROLOG 90-02310 2 fiche

Lors du colloque de juin dernier, une vingtaine de personnes-ressources et plus de 200 participants se sont penchés, durant deux jours, sur la vie pédagogique dans les collèges. C'est le résultat de cet examen que nous proposons ici. Après une brève présentation d'ensemble, qui met en évidence les points saillants du colloque, on trouve les textes des allocutions des cinq invités au panel d'ouverture. Viennent finalement les textes préparés par les personnes-ressources responsables des ateliers, douze enjeux importants pour les collèges y sont abordés, notamment la formation fondamentale, la maîtrise du français et le perfectionnement.  
ED PR QU

### Pédo-paysages du Canada : Manitoba

Ottawa : Agriculture Canada, Direction générale

de la recherche. Centre de recherches sur les terres, 1989. 21 p. : cartes géogr. Bibliogr. (Centre de recherches sur les terres contribution ; no 87-16) *Bilingue (Soil landscapes of Canada...)*. Cartes géogr. *plantes non filmées. Dépliant non filmé.* ISBN 0-662-56286-0  
MICROLOG 90-03443 1 fiche

Pour planifier une utilisation convenable des terres, il faut en avoir une vue d'ensemble. Pour évaluer quelle sera la production potentielle de céréales dans les Prairies, celle du maïs dans l'est du Canada ou celle du bois pour l'ensemble du pays, on a besoin de renseignements uniformes et comparables sur le sol et les terres à l'échelle du pays. Ces renseignements sont fournis dans ce document qui se penche sur la question.  
• AG CA MS SC

### Pelican Lake enhancement project : report on hearing

Manitoba. Clean Environment Commission. Winnipeg : The Commission, 1990. 63 p. : ill., maps.  
MICROLOG 90-07157 1 fiche

A proposal was filed in August 1989 for the construction of water control works which would allow regulation of Pelican Lake water levels. Severe fluctuations in water levels caused by year to year variations in the regional climate adversely affect recreational use of the lake at very low levels and cause property damage at very high levels. On the premise that sufficient water can be borrowed from the Pembina River, the proposed works were designed to reduce the magnitude of both high and low water levels in Pelican Lake, and to maintain water levels as close as possible to a target level based on long term mean lake water levels. This report summarizes responses to the proposal by Pelican Lake users, downstream interests, those with jurisdictional/environmental concerns, and local and provincial governments. A list of exhibits and presentations is included.  
EV MS PR SC

### Pellet Group Inventory, Nova Scotia deer harvest, 1989

by A. Patton. Halifax : Dept. of Lands and Forests, 1989. 3 p. (Technical note ; no. 59) CSI 51111.205  
MICROLOG 90-02581 1 fiche

Results of the 1989 pellet group inventory, which sampled 452 of the 456 randomly located plots to calculate the overwintering deer population in the province. Results are given by county and area from 1982-89.  
AP EV PR SC ST

### Pemberton MLS/StOL Flight Demonstration Project : technical report

McNeal and Associates Consultants, Limited. Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1988. xxii, 155 p. : ill. Bibliogr. *Contractor: Air BC.* MICROLOG 90-07188 2 fiche

AirBC plans to operate a scheduled air service to Pemberton, B.C. to serve the Whistler resort area. The air service will be provided by deHavilland DHC-7 STOL aircraft capable of conducting steep approaches into the mountain valley airport. A conventional instrument approach system could not be developed due to the surrounding mountain terrain affecting electronic signals of an instrument land system precision aid, or the obstacle clearance limits needed to safely operate in and out of the valley. Combining STOL aircraft capabilities with microwave land system technology allowed the design of an instrument approach system. A comprehensive research program was designed and conducted, and is described in this report, along with a description of the

systems used and the results.  
BC CA SC TR

### Penassi Lake area

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 13 p. : fold. maps. (Geological data inventory folio ; GDIF 465) MICROLOG 90-00709 2 fiche

Geological data inventory for the Penassi Lake area, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical surveys, aerial photos and topographical maps available, results of a general index search, and selected references.  
NR ON PR PS SC

### Penetrating the United States construction market : a study of the U.S. market : final report

for the Dept. of External Affairs and International Trade and the Canadian Construction Association ; by Ernst and Young Management Consultants. S.I. : The Consultants, 1990. viii, 142 p. Bibliogr. MICROLOG 90-06873 2 fiche

While in the past several Canadian entrants have enjoyed success in the American market, there are also examples of firms who have encountered problems with unions, local favouritism, and a lack of local market awareness. The purpose of this report is to provide Canadian construction firms with the market background required to succeed in the U.S. market. The report describes the opportunities, constraints and characteristics of the market for those Canadian firms who may be interested in particular regions or particular segments.  
CA CO EX

### Penser et agir famille : guide à l'intention des intervenants publics et privés -- 2e éd.

avis du Conseil de la famille à la ministre déléguée à la Condition féminine et responsable de la famille. Québec : le Conseil, 1989. 65 p. (Avis ; no 89.2) *L'éd anglaise (Think and act...)* : 90-04481/2. ISBN 2-550-20135-3  
MICROLOG 90-02811 1 fiche

Cet avis se présente en deux parties. La première explique le contexte d'intervention de la politique familiale. Il rappelle d'abord les orientations et les objectifs adoptés par le Conseil des Ministres, situant la famille et la politique familiale dans le contexte de la société d'aujourd'hui. Le Conseil cherche ensuite à initier le lecteur au concept d'évaluation tel que développé dans l'appareil gouvernemental pour enfin, présenter quelques commentaires sur la créativité dans l'évaluation et signaler des questions qui restent en suspens. La deuxième partie est constituée de la grille d'évaluation ou du cadre de référence pour évaluer les politiques, les programmes et les services dans une perspective familiale. Cette partie se veut un véritable outil de travail pour toutes les personnes concernées par l'approche familiale. Des critères familiaux sont développés et le Conseil suggère des questions susceptibles d'en vérifier le respect. Le Conseil indique ensuite les étapes qui devraient être suivies pour réaliser une démarche cohérente et significative d'évaluation.  
PA PR QU SA

### Penser et agir famille : les parents et les normes du travail

Québec (Province). Conseil de la famille. Québec : le Conseil, 1990. 17 p. Bibliogr.



(Avis ; no 1990.4) ISBN 2-550-20758-0  
MICROLOG 90-05934 1 fiche

Ce document porte sur les points suivants: les changements majeurs survenus dans notre société dont la révision doit tenir compte; les mesures ayant une portée générale; les mesures s'adressant aux travailleurs qui exercent des responsabilités familiales; l'évaluation de l'avant-projet de loi en utilisant la méthode suggérée dans le guide *Penser et agir famille*; les mesures proposées dans l'avant-projet de loi, les améliorations souhaitables et les autres normes minimales dont il aurait dû être question dans l'avant-projet de loi; et, les raisons qui portent le conseil à croire que l'Etat doit adopter une révision qui ait plus d'envie.

JU LA PR QU

### **Penser et agir famille : réaction au plan d'action gouvernemental en matière de politique familiale, 1989-91 : familles en tête**

Québec (Province). Conseil de la famille.  
Québec : le Conseil, 1990. 20 p. : ill. (Avis ; no 1990.1) ISBN 2-550-20465-4  
MICROLOG 90-04188 1 fiche

Ce rapport étudie d'abord le document gouvernemental dans son ensemble, à partir des objectifs de la politique familiale, en utilisant la méthode suggérée dans ce Guide. Cette démarche permet de formuler des commentaires généraux. Le document participe ensuite des réactions dans les treize secteurs où le Gouvernement envisage des interventions. Il se penche particulièrement sur le Plan d'action gouvernemental, les commentaires généraux et les secteurs d'intervention.

PA PR QU SA

### **A Pension primer**

Ottawa : National Council of Welfare, 1989. 67 p. : ill. Bibliogr. *French ed. (Guide des pensions)* : 90-00777/1. ISBN 0-662-17278-3  
MICROLOG 90-00778 1 fiche

The report provides information about each of the 3 levels of the retirement income system. The first level is made up of federal, provincial and territorial income support programs. The second level is made up of the Canada Pension Plan and its sister plan in Quebec, the Quebec Pension Plan. The third level includes occupation pension plans, often called private plans or employer-sponsored plans, and individual registered retirement savings plans or RRSPs.

CA CO

### **Pension reform : a report**

National Council of Welfare (Canada). Ottawa : The Council, 1990. 93 p. : ill. Bibliogr. *French ed. (Réforme des pensions...)* : 90-04120/2. CSI 22251 205. ISBN 0-662-17514-X  
MICROLOG 90-03349 2 fiche

This document outlines proposed improvements in federal income security benefits for people who have already retired, and proposes expansion of the Canada and Quebec Pension Plans. It also deals with occupational pension plans and registered retirement savings plan. Finally it reveals the 'bottom lines' of pension reform.

CA CO ST

### **Pépinière de plantes ornementales : répression des mauvaises herbes**

par D. Cloutier et J.-M. Hamel. Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation du Québec, Conseil des productions végétales du Québec, 1989. 40 p. ISBN 1-551-12099-3  
MICROLOG 90-02217 1 fiche

En cours de culture, le désherbage chimique s'avère la seule méthode réaliste et économique pour détruire les plantes nuisibles. Il faut d'abord identifier les mauvaises herbes à réprimer, choisir un produit efficace et tenir compte des limites de tolérance des espèces cultivées. Il importe de connaître le mode d'action du produit ainsi que les méthodes et doses d'application. Ce document porte particulièrement sur la production en pleine terre et en contenants, et la désinfection des milieux de croissance.

AG EV PR QU SC

### **Perception du risque et évaluation de l'innocuité des médicaments**

par I.B. Vertinsky et D.A. Wehrung. Ottawa : Santé et bien-être social Canada, 1990. vi, 37, vi, 35 p. Bibliogr. *Bilingue (Risk perception and drug...)*. ISBN 0-662-57252-1  
MICROLOG 90-05778 1 fiche

Dans ce rapport, on présente un cadre d'analyse de la relation entre la perception et la réglementation du risque dans le but de promouvoir la sécurité publique, en se fondant sur les documents scientifiques qui traitent de la perception du risque. On examine ensuite les données empiriques dont on dispose pour confirmer les hypothèses avancées. Le cadre d'analyse qui en résulte est ensuite appliqué au domaine de l'évaluation de l'innocuité des médicaments en vue d'en tirer quelques recommandations générales quant aux stratégies de communication à mettre en oeuvre pour atteindre des niveaux de sécurité plus élevés.

CA HE

### **Performance appraisal of a chief administrative officer**

written by George Cuff & Associates Ltd. ; in consultation with Alberta Municipal Affairs, Municipal Services Branch. Edmonton : The Branch, 1990. i, 43 p.  
MICROLOG 90-05844 1 fiche

This publication specifies what a Chief Administrative Officer is and provides a rationale for a performance appraisal. It discusses performance appraisal criteria, and the performance appraisal process. It includes performance review results.

AL LA PA PR

### **Performance of synthetic fireplace logs in a non-airtight, fireplace-type, wood stove**

by A.C.S. Hayden, T.G. Sellers and G.K. Lee. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1980. iii, 12 p. : ill. (Report ; ERP/ERL 80-34(TR))  
MICROLOG 90-04680 1 fiche

Report on a series of combustion trials to measure the combustion performance and emissions of synthetic fireplace logs in a fireplace environment. Dry, hardwood maple logs, the standard reference fuel for wood burning performance, was used to provide a baseline against which the synthetic logs (60% paraffin, 2.6% moisture and 37% sawdust) were compared. This paper describes the results of 4 combustion trials in a non-airtight fireplace-type, wood stove under a range of operating conditions including different chimney drafts.

● CA CM EN PS SC

### **Performance of trout fed a variety of feeds at British Columbia trout hatcheries, 1985-87**

by B.W. Ludwig and D.R. Clough. Victoria : Ministry of Environment and Parks, 1989. i, 22 p. : ill. Bibliogr. (Fisheries management report ; no. 93) ISSN 0705-5390 ISBN 0-7726-1076-2  
MICROLOG 90-04747 1 fiche

The dietary performance and cost efficiency of production diets currently used for culturing trout at provincial trout hatcheries were compared to several other diets available in B.C. Seven studies were conducted over 3 brood years at 3 different hatcheries. Six starter diets (BioDiet, Silver Cup Softmoist, Oregon Moist Pellet, Ewos and Rangen's Softmoist) and 3 grower diets (BioDiet, Silver Cup and BioMoist) were tested.

BC FI PR SC

### **The Performance of wood frame walls with respect to resistance against door jamb spreading**

prepared for R.D. Stapleton ; by G.J. Van Rijn. Ottawa : Canada Mortgage and Housing Corporation, 1988. 52 p. : ill. Bibliogr.  
MICROLOG 90-01864 1 fiche

The task group on physical security in residential buildings of the associate committee on Part 9 of the National Building Code of Canada requires test data to judge the appropriateness of a proposed requirement for solid blocking at lock height in 2 stud spaces on each side of an exterior door. This report evaluates the effectiveness of various strategies of increasing the resistance of residential door frame and wall assemblies against forced entry by jamb spreading. Nine wall designs were selected for testing, including the use of blocking at lock height constructed both wet and dry. Measurements were made of the shrinkage of the studs during drying. Three replications were made of each type. The test method was based on ASTM F476 on the security of swinging door assemblies but was modified to study the effect of the wall construction rather than the door assembly.

CA PL PS SC

### **Periodic changes in the weight of the gonads and the spawning cycle of Baltic and Belt Sea cod *G. morhua callarias*/*G. morhua morhua* in different parts of the Baltic**

by M. Berner. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 36 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5452) *Originally published in German.* ISSN 0704-3716  
MICROLOG 90-00580 1 fiche

Over the year, the maturity cycle can entail considerable changes not only in the weight of the gonads, but also in the total weights of all affected length-groups and ages. However, partial questions such as the relation between maturity cycles and the length of the fish have usually been studied only for both sexes together, and according to maturity stages rather than by directly weighing the gonads. This paper analyzes the spawning behaviour of the Baltic cod separately for each sex. The length-weight relations for the gonads were calculated to determine the gonadosomatic indices or percentage changes in the weight of the gonads.

● CA CF FI LS SC

### **Permafrost and terrain research and monitoring : Norman Wells Pipeline, vol. 1 : environmental and engineering considerations**

by K.L. MacInnes...et al. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1989. xxix, 132 p. : ill., maps. Bibliogr. (Environmental studies ; no. 64) ISBN 0-662-17529-8  
MICROLOG 90-04411 2 fiche

The 324 mm (12.7 in) diameter Norman Wells pipeline, owned and operated by Interprovincial Pipeline (NW) Ltd., is the first completely buried oil pipeline in the discontinuous permafrost zone in northern Canada. Permafrost and terrain monitoring was established to evaluate impacts



and identify improvements for this and future projects and is planned to continue for 5-10 years or until conditions stabilize. Major aspects of the program include examining thermal and terrain conditions at 23 main instrumented sites (pipe temperature sensors and a series of 5 and 20 m ground temperature cables on and off the right-of-way) over 819 km; regular observations of overall right-of-way conditions; and reviewing the performance of wood chip insulation used on thaw-sensitive slopes. Vol. I of the report summarizes environmental and engineering considerations related to the pipeline design, construction and operation. Comparisons are made with the Canol pipeline (Norman Wells to Whitehorse), the Pointed Mountain natural gas pipeline, and the Trans-Alaska pipeline system.  
CA EN EV NO SC

#### Permettre aux personnes handicapées de donner leur pleine mesure, c'est réalisable

Toronto : Conseil consultatif de l'Ontario pour les personnes handicapées, 1990. xii, 122, xi, 129 p. Bibliogr. *Bilingue (Workable : fulfilling...)*. ISBN 0-7729-6867-5  
MICROLOG 90-06994 4 fiche

Ce document se penche sur les points suivants: les obstacles systémiques qui nuisent à l'embauche des personnes handicapées; une formation et une éducation insuffisante, des difficultés découlant du manque de préparation à l'emploi, le manque de coordination des services de placement; les obstacles en milieu de travail causés notamment par le manque d'installations facilitant l'accès aux lieux, la pénurie de services de transport et de soutien à la vie autonome, le manque d'appareils et l'absence d'une volonté de procéder à des adaptations du lieu de travail et de modifier les exigences de l'emploi; les politiques gouvernementales qui découragent les personnes handicapées d'explorer des possibilités d'emploi; les obstacles découlant des attitudes des gens qui voient davantage l'incapacité que la compétence; et, le manque de sensibilisation et de compréhension chez les personnes handicapées elles-mêmes, les employeurs, les éducateurs, les représentants syndicaux, les agences de placement et les organismes communautaires, quant aux programmes et aux politiques destinés à venir en aide aux personnes handicapées à la recherche d'un emploi.  
ON PR SA

#### Persistence and change : waterfront issues and the Board of Toronto Harbour Commissioners

Steering Committee on Matters Related to the Board of Toronto Harbour Commissioners (Canada). Toronto : Royal Commission on the Future of the Toronto Waterfront, 1989. 80 p. (Report ; 6) *French ed. (Continuité et changement...)* : 90-05779/2. ISBN 0-662-16966-2  
MICROLOG 90-05744 1 fiche

This report focuses on issues such as access, environment and health, ownership, land use, and accountability, that, over the years, have been associated with the Port and waterfront of Toronto. It examines the issues, in terms of both their history and the future, with a view to developing a broad perspective on the Port and, more generally, the Toronto waterfront.  
CA MU ON PL

#### The Persistence of polynuclear aromatic hydrocarbons in soil

by T.L. Bulman...et al. Ottawa : Petroleum Association for Conservation of the Canadian Environment, 1985. v, 76 p. : ill. Bibliogr. (PACE report ; no. 85-2)  
MICROLOG 90-02796 1 fiche

Polynuclear aromatic hydrocarbons (PAHs) are a group of organic chemicals which are

produced by a variety of industrial processes, including the refining of oil, and which have been identified as potential environmental and health hazards. This report reviews information regarding the sources and properties of PAHs and processes affecting their persistence in soil, and describes studies to further define the fate of PAHs in soil. Two incubation studies were performed. In the first, a mixture of 8 PAHs was added to soil and the concentrations of each compound were monitored with time. In the second, 14C labelled benzo(a)pyrene and anthracene were added to soil in biometer flasks. The distribution of 14C as volatile, absorbed and degraded products was determined in sterilized and biologically active soil. The kinetics of disappearance were defined for several PAHs. The results of this study are specific to unacclimated agricultural soil incubated under specified conditions. The relevance of these results to land treatment of oily wastes is discussed and recommendations made for waste and soil monitoring programs and for future research.  
● CA EN EV PS SC

#### Personal information index, 1988

Government of Canada, Privacy Act. Ottawa : Supply and Services Canada, 1988. xvii, 579 p. ISBN 0-660-13040-8  
MICROLOG 90-00003 7 fiche

This index provides a current description of personal information held by those federal government institutions (departments, agencies and Crown corporations) which are subject to the Act. It describes all personal information collected through government programs. It contains descriptions of standard information held about government employees, along with procedures on how to gain access to this information.  
● CA JU

#### Personal mass spectral data in floppy disk system, II : correlations between mass spectra and unsaturation in hydrocarbons

by Y. Koyama and K. Maeda. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 32 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5337) *Originally published in Japanese.* ISSN 0704-3716  
MICROLOG 90-01472 1 fiche

A personal mass spectra database was built for 1,813 hydrocarbons, containing the m/z of the base peaks as well as the 10-13 m/z of the characteristic peaks, about 10% higher in the increasing order of ionic strength and expressing at most only the relative sizes in the order of these arrangements. There appears to be a close relationship between the peaks appearing in the mass spectra and the chemical structure of the molecules, as well as a close relationship between the ion peaks and the molecular structure. This report examines the correlation between the structural data held mainly by the molecular formulae and the base peaks, as well as the other characteristic peaks.  
● CA CF FI SC

#### A Personal Portable Analytical Kit (PPAK) for the analysis of organic and inorganic compounds in water and soil

by M.D. Goldthorp, J.T. Ruttan and M. Townshend-Colford. Ottawa : Environment Canada, Environmental Protection Directorate River Road Environmental Technology Centre, 1989. vii, 273 p. : ill. Bibliogr. (Report ; EE-110)  
MICROLOG 90-05732 3 fiche

The personal portable analytical kit was developed for on-site analysis of chemical spills

in soil or water in which a single known chemical is involved. The system uses colorimetric and titrimetric techniques for the analysis of chemicals from the Environment Canada spill priority list. From this list, the kit can quantify 67 contaminants in water and 53 contaminants in soil. All of the information required for the use of these test methods for the determination of concentrations of environmental contaminants is detailed in this report in conjunction with the Hach water analysis handbook.  
● CA EV PS SC

#### Le Personnel de la santé au Canada, 1988

Ottawa : Santé et bien-être social Canada, 1990. xxxiii, 297 p. *Bilingue (Health personnel...)*. CSI 21112.208. ISBN 0-662-57054-5  
MICROLOG 90-06725 4 fiche

Cette publication est un document de référence visant à aider à la recherche et à la planification des professionnels de la santé. Cette version fournit des statistiques de fin d'année sur 30 groupes de praticiens oeuvrant dans le domaine des soins de santé pour les années 1978 à 1988. Ces statistiques proviennent d'une variété de sources, dont des associations de professionnels de la santé, Statistique Canada, des entreprises commerciales et des maisons d'enseignement. Elles indiquent également le nombre d'habitants par professionnel de la santé à partir des estimations de la population de Statistique Canada au 31 décembre.  
CA HE ST

#### Le Personnel des cégeps en 1984-85 : catégories et corps d'emploi, sexe, âge, années de service, salaire moyen

par L.-H. Castonguay. Québec : Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, 1986. 79 p. (Bulletin statistique : recherche et développement ; v. 11 no 4) CSI 66131.009 ISSN 0229-0766  
MICROLOG 90-05273 1 fiche

L'objectif de cette publication est de présenter, pour l'ensemble du réseau des cégeps, des données statistiques sur le personnel à temps plein à l'emploi des collèges d'enseignement général et professionnel durant l'année scolaire 1984-85. Ces données proviennent des cégeps, par le biais du système d'information sur le personnel des organismes collégiaux (SPOC).  
ED PR QU

#### Le Personnel préscolaire exprime ses opinions et fait connaître ses besoins, 1988-89

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation générale, 1989. 55 p. ISBN 2-550-14835-5  
MICROLOG 90-03197 1 fiche

Ce document présente les résultats émanant de l'analyse des réponses au questionnaire destiné aux éducateurs du préscolaire distribué en février 1988. Il avait pour but de vérifier l'utilisation du programme préscolaire et des guides afférents parus depuis 1981 et de constater dans quelle mesure ils répondent aux attentes des utilisateurs. On y donne la présentation, les réponses aux énoncés du questionnaire, les commentaires et recommandations relevés, et, l'analyse des données.  
ED PR QU

#### Perspective 2000

Winnipeg : Manitoba Hydro, 1989. 79 p. : ill., maps. ISBN 0-7711-861-3  
MICROLOG 90-04957 1 fiche



This document explains, in largely non-technical terms, the pressures and influences which Manitoba Hydro faces, and how it plans to respond to them over the next decade. The date chosen represents the end of short-term planning. The document describes external influences, Manitoba and export customers and markets, methods of meeting the demand for electricity, the impact of Manitoba Hydro on the provincial economy, and financial management. A glossary is included.  
EN MS PR PW SC ST

#### Perspective 2000 : actes

préparés par K. Newton, T. Schwetzer et J.-P. Voyer. Ottawa : Conseil économique du Canada, 1989. xiv, 388 p. : ill. Bibliogr. *Synopsis bilingue* (ix, 53 p.) inclus. L'éd. anglaise (*Perspective 2000 : proceedings*) : 90-05941/5. ISBN 0-660-92947-3. MICROLOG 90-05942 5 fiche

Ce document offre un bref tour d'horizon des grands thèmes, des points de vue et des conclusions des ouvrages plus volumineux de la conférence. Y sont définis quatre grands volets : les questions d'envergure mondiale et les interactions entre les systèmes géophysiques, géopolitiques et économiques, la structure et la compétitivité de l'économie canadienne, dans l'optique des forces mondiales décrites au premier volet, les dimensions clés de la compétitivité du Canada, notamment les innovations dans les domaines du perfectionnement des ressources humaines et de la conception des organisations; et, l'analyse du processus décisionnel et des institutions qui sont nécessaires à l'élaboration et à la mise en application du cadre d'action stratégique d'une économie politique en évolution.  
CA CO

#### Perspective 2000 : proceedings

edited by K. Newton, T. Schweitzer, and J.-P. Voyer. Ottawa : Economic Council of Canada, 1989. xiv, 382 p. : ill. *Bilingual Synopsis* (ix, 44 p.) laid in. *French ed. (Perspective 2000 : actes)* : 90-05942/5. ISBN 0-660-13569-8. MICROLOG 90-05941 5 fiche

The proceedings discuss the following topics: the long-run prospects for the physical setting of our planet, including the major demographic, technological, and environmental trends; Canada's place in the world economy in the year 2000, employment/human-resource development, and environmental and institutional framework for economic policy.  
CA CO

#### Perspectives du marché du hareng de l'Atlantique

Halifax : Ministère des pêches et des océans, Direction de l'économie et de la coordination des programmes, 1990. 25, 24 p. : ill. (Rapport d'analyse économique et commerciale ; no 50) *Bilingue* (*Atlantic herring market...*). CSI 21105.204. ISSN 0847-1185. ISBN 0-662-57283-1. MICROLOG 90-04237 1 fiche

Cet aperçu est divisé en trois grandes parties. On examine tout d'abord les marchés et les possibilités d'expansion. En deuxième lieu, on traite de la ressource ou de l'offre mondiale de hareng. La dernière partie porte sur les prix et présente un résumé des perspectives des produits du hareng.  
• AP CA CF FI

#### Perspectives du patrimoine : buts du patrimoine pour l'Ontario

Toronto : Ministère de la culture et des communications, 1990. 14, 14 p. : ill. Bibliogr. *Bilingue* (*A Vision of heritage...*). ISBN 0-7729-7066-1. MICROLOG 90-06958 1 fiche

Notre patrimoine représente la somme des connaissances sur laquelle repose notre

civilisation. Il revêt de nombreuses formes dans notre environnement naturel et dans nos communautés. Certains éléments sont abstraits; ils existent dans nos esprits et dans nos coeurs: nos coutumes, nos traditions, nos valeurs. Mais une grande partie du patrimoine est concrète: les oeuvres d'art, les contes folkloriques enregistrés, les collections scientifiques, les églises, les rangées de vieilles maisons ou les fossiles trouvés dans la nature. Ce document se penche en profondeur sur cette question.  
CU ON PR

#### Perspectives économiques et revue budgétaire : Ontario, 1988

Ontario. Ministère du trésor et de l'économie. Toronto : le Ministère, 1988. i, 117 p. : ill. CSI 55121.001F. ISSN 0837-7529. MICROLOG 90-05497 2 fiche

Au printemps 1986, l'Assemblée législative a créé le Comité permanent des questions économiques et financières et l'a chargé de présenter à l'Assemblée ses observations sur les politiques économiques et budgétaires du gouvernement provincial. Ce document a été rédigé dans le but d'aider le Comité dans ses travaux et d'encourager le processus de consultation du public qui précède l'élaboration du budget de l'Ontario de 1989.  
CO ON PA PR ST

#### Perspectives économiques et revue budgétaire : Ontario, 1989

Ontario. Ministère du trésor et de l'économie. Toronto : le Ministère, 1989. i, 127 p. : ill. CSI 55121.007. ISSN 0837-7529. MICROLOG 90-04362 2 fiche

Au printemps 1986, l'Assemblée législative de l'Ontario a créé le Comité permanent des questions économiques et financières, chargé de présenter à l'Assemblée ses observations, ses opinions et ses recommandations sur les politiques économiques et budgétaires du gouvernement provincial. Ce document a été préparé dans le but d'aider le comité lors des délibérations et des débats sur le budget de 1990. Il contient deux grandes sections: une analyse des résultats et des perspectives économiques de l'Ontario ainsi qu'une revue budgétaire. Les annexes contiennent un glossaire et les principales statistiques financières et économiques établies sur 10 exercices.  
CO ON PA PR ST

#### Les Pertes causées par l'incendie au Canada : rapport annuel 1988

complé par le Commissaire des incendies du Canada. Ottawa : Travail Canada, 1990. 43, 43 p. : ill. *Bilingue* (*Fire losses in Canada...*). CSI 22165.002. ISBN 0-662-57212-2. MICROLOG 90-06609 2 fiche

Rapport annuel pour 1988 qui présente un bilan des incendies en 1988, un sommaire des pertes de biens et de vies humaines de 1978 à 1989, un sommaire des incendies selon le type de propriétés, ainsi qu'une analyse statistique des causes des incendies et des pertes qui leur sont attribuées. Les données proviennent de l'Association canadienne des directeurs provinciaux et des commissaires des incendies et de Statistique Canada.  
CA PW SC ST

#### Pest management recommendations for Ontario greenhouse crops - Rev.

Toronto : Ministry of Agriculture and Food, 1990. 64 p. : ill. Bibliogr. ISSN 1180-0054. MICROLOG 90-06118 1 fiche

Pest and disease control measures for flower crops and greenhouse vegetables, covering specific crops. General instructions in dealing safely with pesticides are included also.  
AG ON PR SC

#### Pesticides Research and Monitoring : Annual report 1987-88

Ottawa : Environment Canada, 1989. viii, 84 p. *French ed.* : 90-02247/2. CSI 21111.019. ISBN 0-662-17345-7. MICROLOG 90-02246 1 fiche

This is the second annual report on Environment Canada's pesticides program, summarizing the results of projects undertaken by the department's regional and district offices, research institutes and centres, branches and services. The report is organized into 6 sections based on the location (Atlantic region, Quebec region, Ontario region, Western and Northern region, Pacific and Yukon region, and the National Wildlife Research Centre in Hull, Quebec) where each project was conducted. Also included are discussion documents summarizing the environmental effects of oxyfluorfen, pentachlorophenol, triadimefon, metsulfuron-methyl and propiconazole. An index is included.  
• CA EV SC

#### Pesticides, recherche et surveillance : Rapport annuel 1987-88

Ottawa : Environnement Canada, 1989. viii, 115 p. L'éd. anglaise : 90-02246/1. CSI 21111.019F. ISBN 0-662-95714-8. MICROLOG 90-02247 2 fiche

La pulvérisation aérienne de pesticides est essentielle pour protéger les cultures dans l'industrie forestière. L'efficacité des opérations de pulvérisation aérienne dépend d'un certain nombre de facteurs tels que le type d'aéronef, les conditions de vol, l'atomiseur et la stabilité de la masse d'air. On trouvera dans ces études les résultats des études entreprises au cours de l'année 1987-1988 par les bureaux régionaux et de district, les instituts et les centres de recherche, les directions et les services du ministère. Les études ont été groupées par région du pays où elles ont été réalisées et la dernière partie du rapport concerne les études faites au Centre national de recherche sur la faune, à Hull. On trouve également dans le rapport des documents d'information résumant les effets de cinq pesticides sur l'environnement: l'oxyfluorène, le pentachlorophénol, le triadiméfone, le metsulfuron-méthyl et le propiconazole.  
• CA EV SC

#### Petro-Canada : Annual report 1989

Calgary, Alta. : The Corporation, 1990. 52 p. : ill. CSI 22322.001. MICROLOG 90-05527 1 fiche

Petro-Canada is Canada's national petroleum corporation. It was formed by an Act of Parliament in 1975. This annual report outlines the major activities and accomplishments of the Corporation. It includes financial statements and a feature article on new directions for the 1990s.  
CA CO EN ST

#### Petrographic characterization of thickener feed samples

by V.A. Munoz. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1986. iv, 16 p. : ill. (Report ; ERP/CRL 86-127(CF)). MICROLOG 90-01320 1 fiche

Comparison of the petrographic characterization of 3 conventional thickener feed samples from the Cardinal River coal mine. The report provides additional information to the existing laboratory data, and contributes to the understanding of some of the problems related to these samples during the flocculation process.  
• BC CA CM NR PS SC

#### Petrographic examination of aggregate and concrete in Ontario

by C.A. Rogers. Toronto : Ministry of



Transportation, Engineering Materials Office,  
1989. 35 p. : ill. Bibliogr. (Report ; EM-91)  
ISBN 0-7729-6454-8  
MICROLOG 90-01952 1 fiche

Petrographic examination of aggregate and hardened concrete has been conducted since the late 1940s. Because of problems in communicating results of petrographic examination of aggregates to engineers, a petrographic number system was developed in which 4 quality categories were recognized. This report describes the system, its development, the current procedure, training materials available, the re-evaluation of the system in the 1980s, the correlation of petrographic numbers with other tests, the precision of a petrographic number, and methods for examination of fine aggregate and concrete.  
NR ON PR SC TR

### Petroleum industry waste management study, phase III : priority waste characterization

Wotherspoon & Associates, David Bromley Engineering Ltd. Calgary, Alta. : Canadian Petroleum Association, Environmental Planning and Management Committee, Waste Management Subcommittee, 1989. iii, 92 p. Bibliogr.  
MICROLOG 90-04401 1 fiche (Available on fiche only)

Phase III of a set of projects to identify strategies for petroleum industry waste management. This report is a further investigation of available characterization data of 26 priority wastes identified in Phase II. A list of ongoing petroleum waste research projects and literature references are also presented.  
• CA EN EV SC

### Petroleum resources of the Scotian Shelf

by J.A. Wade...et al. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. iii, 26, iii, 28 p. : ill., maps. Bibliogr. (Paper ; 88-19) *Bilingual* (Ressources pétrolières...). ISSN 0068-7650  
ISBN 0-660-55066-0  
MICROLOG 90-01146 1 fiche

From the inception of petroleum exploration in 1959 through the end of 1983, 62 wildcat wells have been drilled on the Scotian Shelf. This activity has resulted in 13 significant discoveries of gas and liquid hydrocarbons. This paper summarizes the history of exploration for gas and oil on the Scotian Shelf and provides details on the discoveries. It reviews the regional and petroleum geology and describes a set of play data used to develop an assessment of the ultimate recoverable hydrocarbon resource potential of the area. Finally, it casts the expected resource endowment in terms of a series of pool sizes which, if discovered, could support a viable offshore development.  
AP CA EN NR SC

### The Petrology, geochemistry and mineralogy of potash ore mill products from the Potash Company of America Mine and the Denison Potacan Mine

by J.A.R. Stirling. Fredericton. New Brunswick Research and Productivity Council, 1989. 219 p. : ill. CANMET contract: OSQ-84-00443.  
MICROLOG 90-03500 3 fiche

The production of potash concentrate has become one of the major mineral commodities in New Brunswick. Potash is produced at the Potash Co. of America Mine and the Denison Potacan potash mine, both near Sussex. A third deposit in the Sussex area is under development by BP Canada. Samples of potash ore, host rocks, salt horses, and mill products were collected from the 2 mines, although not from BP Canada's deposit. The

evaluation of the concentrators' performance, a better understanding of the geology of the deposits, and the development of mineralogical methods with which to predict the performance of the ore in the mill was achieved by quantitative mineralogical, and chemical and image analysis of the ore and mill samples. Multi-element analysis by ICP and fluid inclusion studies were not done. Presentation of the data and interpretations are made for each mine separately.

• AP CA CM NR PS SC

### PH determination and measurement

by C.J.P. McKean and B.W. Huggins. Victoria : Ministry of Environment, 1989. iv, 46 p. : ill. Bibliogr. ISBN 0-7718-8903-8  
MICROLOG 90-03836 1 fiche

Outline of the function, calibration, and storage of the glass and reference pH electrodes in order to reduce problems and errors with pH measurements. Definitions are given for pH, conductivity, acidity, alkalinity and buffers.  
BC EV PR SC

### Phase 1 in the development of an Atlantic region C & P toxic chemical database

by H.J. O'Neill...et al. Moncton, N.B. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Quality Branch, 1989. iv, 132 p.  
MICROLOG 90-03117 2 fiche

Within Conservation & Protection (C & P) Atlantic Region there exists a plethora of toxic chemical related data, some of which is contained in computerized form and the remainder in hard copy. The report represents a compilation of several federal-provincial documents that detail the location, content and status of 1,069 abandoned and (some) active land disposal sites in the Atlantic Region into a computerized database. This report describes the data collection, the electronic data entry, and the results of the work. Recommendations for further work are included. Site information is given by province as well.  
• AP CA EV PS SC

### Phase II report on development and evaluation of cement/fly ash-based sealants for capping pyritic slate outcrops at Halifax Airport

Hardy BBT Limited. Burnaby, B.C. : The Corporation, 1989. i, 49 p. : ill. CANMET contract: 89164-01-SQ  
MICROLOG 90-03967 1 fiche

This study evolved from the need to provide a solution to the problem of acid leachates from exposed pyritic slates at the Halifax airport. One of the possible control measures available is the reduction of the penetration of surface water into the slate outcrop. This study focuses on the material properties of high volume fly ash/portland cement shotcrete with integral high volume fibrillated polypropylene fibre reinforcement for capping. The Phase I part of the study evaluated a broad range of laboratory trial mix designs from which the most promising mixes were identified for the full scale shotcrete test program in Phase II. This Phase II report evaluates low water permeability, long term durability, ductility, chemical resistance to seeping leachates, and commercial viability. Six mixes from Phase I were selected for full scale shotcreting and fabrication of shotcrete test panels. The principle mix variables are 2 cementitious contents and 3 additional rates of polypropylene fibres of 0%, 3% and 6%.  
• AP CA CM PS SC TR

### Phase relations in the silver-tellurium system

by F.C. Kracek, C.J. Ksanda and L.J. Cabri.

Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. ii, 26 p. : ill. Bibliogr. (Report ; MS 65-37)  
MICROLOG 90-04627 1 fiche

Description of the thermal analysis of mixtures in the desired compositions from silver and tellurium. The mixtures were fused, cooled, then powdered, repeatedly mixed and annealed at 300°C. For thermal analysis the prepared mixtures were sealed under a vacuum. Measurements of the heat effect magnitudes at arrest were carried out, as well as a series of experiments to synthesize AgTe.  
• CA CM NR PS SC

### Phase splitting in complex hydrocarbon systems

by J.M. Shaw. Toronto : University of Toronto, Dept. of Chemical Engineering and Applied Chemistry, 1989. 35 p. : ill. Bibliogr. CANMET contract: 89241-01-SQ  
MICROLOG 90-00183 1 fiche

Significant fluctuations in the light oil yield obtained from laboratory and pilot scale models of heavy oil upgrading, coal/oil coprocessing and direct coal liquefaction processes, arising from apparently minor perturbations in operating conditions, are frequently attributed to synergism. This study explains some aspects of observed synergistic behaviour in terms of relevant liquid-liquid equilibria. Partial phase diagrams for simple and complex hydrocarbon mixtures including model diluent/solvent mixtures such as pyrene/naphthalene/tetralin, and bitumen/heavy oil/anthracene oil mixtures are presented.  
• CA CM PS SC

### Phase transformations and corrosion of zirconium-copper-molybdenum alloys

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1969. i, 25 p. : ill. (Report ; PM-M 69-25)  
MICROLOG 90-04658 1 fiche

The low thermal neutron-capture cross section of zirconium, coupled with good mechanical properties and corrosion resistance, have made this metal of practical interest in nuclear engineering. The work presented in this paper was part of a study of zirconium-copper-molybdenum alloys. The investigation studied the transformation reactions occurring during ageing of solution heat-treated alloys and determined the effect of heat treatment on their corrosion behaviour in steam.  
• CA CM NR PS SC

### Philometra mariae Layman, 1930 from a right-eyed flounder, *Limanda yokohamae*

by M. Machida. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 9 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5239) *Originally published in Japanese* ISSN 0704-3716  
MICROLOG 90-02670 1 fiche

A large number of encapsuled, philometrid nematodes were obtained from the fin and operculum of a right-eyed flounder collected in Otsuchi Bay, Iwate Prefecture, Japan in August 1966. This paper describes the nematodes and discusses their taxonomy.  
• CA CF FI LS SC

### A Philosophy of public education for Prince Edward Island schools

report to the Minister of Education. Charlottetown. Dept. of Education, Philosophy Committee, 1989. 24 p.  
MICROLOG 90-03080 1 fiche



Discusses the purpose, basic principles, and goals of education. It also examines schools in society, and addresses other concerns identified by the Committee. Contains a list of groups and individuals presenting briefs.  
AP ED PR

### Phosphate in southeastern British Columbia (82G and 82J)

by S.B. Butrenchuk. Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1987. 103 p. : ill., maps. Bibliogr. (Open file ; 1987-16) ISSN 0835-3530 ISBN 0-7718-8586-5  
MICROLOG 90-01266 2 fiche

Although extensive phosphate deposits occur in B.C. and other regions of Canada, at present all phosphate rock used in Canada is imported, mainly from the U.S. Phosphate is produced from marine sedimentary deposits, igneous apatite (carbonatites and related alkaline intrusions) and guano-derived deposits. B.C. is known to have extensive marine sedimentary phosphate deposits although none are considered economic at the present time. Recent studies have delineated several carbonatite bodies, some of which are reported to contain apatite. This report gives the results of a 1986 program to study phosphate deposits in southeastern B.C., to identify economic deposits, to study their chemical and mineralogical characteristics, and to identify potential beneficiation problems and economic byproducts (rare earths).  
BC NR PR SC

### The Phosphorus balance of rainbow trout

by P. Eskelinen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 13 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5274) Originally published in Finnish, by the Government of Finland. ISSN 0704-3716  
MICROLOG 90-02744 1 fiche

Phosphorus balance tests were carried out on third summer rainbow trout in 4 test tanks in the Central Fish Farm of Laukaa during the summer of 1983 to examine the phosphorus balance of 4 different types of feed and the distribution of the feed phosphorus among the fish reared, the water outflow and the excrement sludge collecting at the bottom of the tank. The test also developed a material-balance testing tank that could be used in testing different variables in material-balance studies as well as nutrition studies. This paper describes the results of those tests.  
• CA CF FI LS SC

### Physical effects of suspended solids on marine and estuarine fish and marine shellfish, with special reference to ocean dumping : a literature review

by J.A. Appleby and D.J. Scarratt. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Marine Fish Division, Biological Sciences Branch, Biological Station, 1989. v, 33 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1681) ISSN 0706-6457  
MICROLOG 90-03218 1 fiche

Literature concerning the lethal and sublethal effects of suspended solids on marine and estuarine fish and shellfish is reviewed, with reference to ocean and coastal zone dredging and dumping where applicable. The review was prepared to aid in the comprehensive review and assessment of ocean dumping and dredging project applications and other related issues.  
• AP CA CF FI LS SC

### The Physical nature and structure of oceanic fronts

by K.N. Fyodorov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 410 p. : ill., maps. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5129) Originally published in Russian, by Gidrometeorizdat at Leningrad, USSR. ISSN 0704-3716  
MICROLOG 90-00124 5 fiche

Discussion of the research into the frontal divisions of the ocean, including an attempt at a new definition and detailed explanations of current research and their methods.  
• CA CF NR PS SC

### Physical oceanographic observations in the Cardigan Bay region of Prince Edward Island, 1982-87

by K. Drinkwater and B. Petrie. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 37 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 110) ISSN 0711-6774  
MICROLOG 90-05157 1 fiche

The deaths of 3 elderly people and the severe illness of over 150 others from November to mid-December 1987 were attributed to the consumption of toxic blue mussels harvested from the cultivated mussel farms in Cardigan Bay, P.E.I. The toxin was identified as domoic acid and is believed to have been associated with a phytoplankton bloom of *Nitzschia pungens*. This report reviews the physical oceanography of the region; presents the available physical oceanographic data; derives some physical parameters that characterize the Bay; and discusses conditions during 1987. No detailed study of the Bay was conducted but temperature and salinity data were collected as part of monitoring programs for various biological investigations. These data are also presented, along with a brief description of the region, a discussion of circulation patterns and estimates of the flushing time of the water in the Bay.  
• AP CA CF FI NR PS SC

### Physical parameters and fish sampling data from Homathko River estuary, Bute Inlet in 1987, 1988

by E.M. Choromanski and J.S. Macdonald. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989. v, 49 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 743) ISSN 0706-6465  
MICROLOG 90-00025 1 fiche

Data on physical parameters and fish samples collected from 5 sites at river and estuary habitats, and the head of Bute Inlet from June 10-12, 1987 and June 29-July 1, 1988. Fish species captured, water temperature, salinity profiles, current measurements, substrate composition and cover estimates are described for each site. Total catch, lengths, and weights of all fish species captured are tabulated.  
• BC CA CF FI LS SC

### Physical performance and carbohydrate consumption in CF commandos during a 5-day field trial

by I. Jacobs...et al. Downsview, Ont. : Defence and Civil Institute of Environmental Medicine, 1989. 44 p. Bibliogr. (DCIEM research report ; no. 89-RR-48)  
MICROLOG 90-01829 1 fiche

Evaluation of the capacity of military personnel to perform maximal exercise before and after 5 days of sustained physical activity and whether a carbohydrate supplement to the regular field rations would reduce the extent of any performance impairments. Twenty-nine male volunteers were allowed 4-5 hours of

sleep each 24 hours and 45 min/meal but were otherwise continuously occupied with physically demanding missions in a field environment. Mean 24 h energy expenditure in the field was estimated from continuous HR recordings and direct oxygen uptake measurements with field portable equipment. Regular individual meal packets were distributed to half the subjects, with the other half consuming the meal packets and starch candies. Performance tests administered 2 days before and at the end of the trial included evaluations of maximal aerobic power during cycle exercise, anaerobic power, muscular strength and endurance, rate of maximal force development and reaction time. Muscle and blood tissue samples were obtained before and after the trial to clarify the relative contribution of fat and carbohydrate energy stores to meeting the metabolic cost.  
• CA EX HE SC

### Physical, hydrological, chemical and meteorological data from the Arctic Charr Project, Nauyuk Lake, Northwest Territories

by E.C. Gyselman and L. Mohr. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. iv, 73 p. : ill., maps. (Canadian data report of fisheries and aquatic sciences ; no. 790) This is the 45th data report from the Central and Arctic Region, Winnipeg. ISSN 0706-6465  
MICROLOG 90-05548 1 fiche

The Arctic Charr Project was a long-term (1972-88) research program on the population dynamics of Arctic charr carried out at Nauyuk Lake in the central Canadian Arctic. This report presents the physical, hydrological, chemical and meteorological data measured during the course of the project.  
• CA CF FI LS NO SC

### Phytoplankton in the vicinity of the 'Severnnyi polyus-22' drifting station

by T.V. Belyayeva. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 13 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5138) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-00115 1 fiche

During the drift of the 'Severnnyi polyus-22' station from May to October 1975, a series of hydrobiological investigations were conducted to study the biological productivity of the Arctic Basin and the flora and seasonal distribution of the phytoplankton.  
• CA CF FI LS SC

### Phytotoxicology assessment survey investigation in the vicinity of Clintar Groundskeeping Services, 17 Dundas St. E., Mississauga, June 2, 1988

by R. Emerson. Toronto : Ministry of the Environment, 1990. 6 p.  
MICROLOG 90-04333 1 fiche

Report on the cause of decline of mature maple trees at the north property limit of Clintar Groundskeeping Services in Mississauga, Ontario. A salt pile had been stored on the Clintar property in the general area of the declining trees during the 1987-88 winter, directly on the ground. Prior to the investigation, the salt pile was removed, along with a shallow layer of surface soil. Visual observations of the trees and the area around them were conducted, along with samples of soil from two sites where a salt-like material was observed on the surface of the hard, clay soil. Surface soil was also sampled at 3 other sites slightly upgrate of the former salt pile. Twigs were collected from one of the leafless maples, as well as from the foliated tree. Control samples were collected from a healthy



Norway maple tree in the area.  
EV ON PR PS SC

**Phytotoxicology assessment survey of metal concentrations in surface soil in the vicinity of Burnstein Castings, Catherine Street, St. Catharines, March 1988**

by R. Emerson. Toronto : Ontario Ministry of the Environment, Air Resources Branch, 1988. 7 p. ISSN 0824-880X ISBN 0-7729-4107-6 MICROLOG 90-01410 1 fiche

On March 3, 1988 a soil sampling program was conducted in the vicinity of Burnstein Casting, St. Catharines, following a public meeting at which area residents expressed concern that emissions, particularly lead, from the plant might be contaminating area properties. A total of 9 soil sites were sampled and analyzed for lead, cadmium, chromium, cobalt, copper, iron, manganese, molybdenum, nickel, vanadium and zinc.  
EV ON PR PS SC

**Phytotoxicology assessment surveys in the vicinity of Inco Ltd., Port Colborne, 1985, 1986**

by R. Rinne. Toronto : Environment Ontario, Air Resources Branch, Phytotoxicology Section, 1990. 15 p. : ill. MICROLOG 90-05947 1 fiche

Surveys of nickel contamination of vegetation and/or soil in the vicinity of the Inco smelter in Port Colborne have been conducted annually since 1972. On September 20, 1985 and again on September 24, 1986, samples of maple foliage were collected from 22 stations in the vicinity of the Inco, Port Colborne refinery. On both of these dates, tree foliage was examined for symptoms of nickel toxicity. Moss bag monitoring also was conducted near the refinery during 1985 and 1986. Sphagnum moss bags were exposed at 13 stations around the perimeter of the Inco property during June to October of 1985 and April to September of 1986. This report presents the results of the sampling for 1985 and 1986.  
EV ON PR SC

**Pickering NGS 'A' unit 2 : calandria dump and CIV closure tests : moderator pumpset/piping vibration results**

by F. Perricone, N. Jagan and P. Hoogendam. Toronto : Ontario Hydro, Research Division, 1989. ii, 206 p. : ill. Bibliogr. (Report ; no. 88-284-K) MICROLOG 90-00412 3 fiche

Three tests involving calandria dump and calandria inlet valve closure were performed in July 1988 during which the vibration response of the moderator pumpsets and piping was measured. This report presents the results of the tests.  
EN ON PR PS SC

**Pickering NGS B 1988 larval fish entrainment study**

by J.K. Kwik and T.G. Dunstall. Toronto : Ontario Hydro, Research Division, 1990. v, 47 p. : ill. Bibliogr. (Report ; no. 89-295-K) MICROLOG 90-06033 1 fiche

A larval fish entrainment study was conducted at Pickering Nuclear Generating Station (NGS) in 1988 as part of the 1986-88 Pickering NGS Unit B postoperational aquatic program to determine the species and abundance of entrained larval fish at Pickering NGS A and B. The target species were round whitefish, alewife and rainbow smelt and the sampling procedures were designed to detect these species. An attempt was also made to estimate the proportion of live alewife larvae collected in the Pickering NGS intake.  
EN EV FI ON PR SC

**Pictou County**

compiled by Allan C. Dunlop. Halifax : Public Archives of Nova Scotia, 1989. 14 p. (Nova Scotia genealogical sources county guide series ; no. 4) ISBN 0-88871-103-4 MICROLOG 90-05537 1 fiche

Contains a map and list of genealogical sources for the area, all of which are available at the Public Archives of Nova Scotia.  
AP CU PR

**Pictures to share : illustration in Canadian children's books**

by I.E. Aubrey. Ottawa : National Library of Canada, 1987. 59 p. *Bilingual (Images pour tous...)*. ISBN 0-660-53763-X MICROLOG 90-00004 1 fiche

Organized by illustrator and including a name and title index, this bibliography offers a representative selection of illustrated books which each contributes uniquely to Canadian children's literature. The first divisions, covering the years 1800 to 1959 and 1960 to 1979, have been revised, updated and expanded. For this edition a new division of 41 entries has been added to cover the period 1980 to 1985.  
CA CU

**Pilot plan investigation of pyrite recovery**

by C. Bazin, D.W. Scott and L.J. Surges. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. iv, 309 p. : ill. Bibliogr. (Open file report ; 90-1) ISSN 0712-4562 MICROLOG 90-02661 4 fiche

The Brunswick no. 12 ore is a complex sulphide containing 56% pyrite, most of which is rejected to tailings. The reactive acid-generating sulphide tailings result in high costs for current water treatment and will also necessitate substantial expenditures for future reclamation or water treatment. This project investigated the technical feasibility of producing a marketable pyrite concentrate at the pilot scale. This report includes the results of a pilot plant classification and flotation and excludes laboratory studies on the same subject. Results from a demonstration circuit are also presented.  
AP NR PR PS SC

**Pilot whaling in the Faroe Islands**

by J.P. Joensen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 3 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5232) *Originally published in Faroese*. ISSN 0704-3716 MICROLOG 90-02677 1 fiche

List of references to pilot whale hunting in the Faroe Islands.

• CA CF FI SC

**Pinewood nematode in the forest trees in the Maritime provinces of Canada**

S.I. : Canadian Forestry Service - Maritimes, 1990. 7 p. : maps. Bibliogr. (Technical note ; no. 222) ISSN 0820-8107 MICROLOG 90-02207 1 fiche

News of the discovery of pinewood nematode in exported Canadian lumber spread alarm throughout the lumber industry, especially in the Maritimes where the infested shipment originated. Being a plant quarantine pest, the presence of pinewood nematode in sawn lumber could seriously affect international trade or the way lumber must be handled before shipment. This report is a summary of information presented in various reports by the forest insect and disease survey from 1985-89 as it relates to the situation in the Maritime

provinces.

• AP CA FO SC

**Pipeline Development Discussion**

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1962. 20 p. (Report ; FMP 62/76-PRE) *Report summarizing the Pipeline Development Discussion*. MICROLOG 90-04534 1 fiche

During the last few years, the Research Council of Alberta has carried out theoretical and laboratory pipeline research on the wider uses of pipelines for the transportation of bulk commodities. In the winter of 1962, the Council sent a summarized report of this work to representatives of industry and government agencies, then organized a meeting to discuss scale-up beyond the laboratory level. This report describes the results of the meeting and lists the participants and the agenda.

• CA CM NR PS SC TR

**Pipestone River Provincial Park interim management statement**

Sioux Lookout, Ont. : Ministry of Natural Resources, Sioux Lookout District Office, 1989. 26 p. : ill., maps. MICROLOG 90-00937 1 fiche

Interim management statement to identify the park values which are to be protected, the resource management prescriptions necessary to protect these values, and the restrictions on the use of natural resources within the park. A description of the geology and related features is also included.  
CU ON PR

**Pit optimization in the Prolog computer language**

by N.J. Stuart. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1989. v, 20 p. : ill. Bibliogr. (Report ; CRL 89-84(TR)) MICROLOG 90-02550 1 fiche

The Lerchs-Grossmann algorithm is very hard to implement in Fortran, possible to implement in C or Pascal, but almost trivial in Prolog. A program is listed and explained. With modifications to use recursive structures, speed of solution in a compiled Prolog is equal to other languages, although memory is a problem in the MS-DOS environment. This report demonstrates the ease with which Prolog addresses programs concerned with finite graphs.

• CA CM NR PS SC

**A Place for wildlife**

Environment Council of Alberta. Renewable Resources Sub-Committee. Edmonton : The Council, 1989. 39 p. : maps. Bibliogr. MICROLOG 90-03245 1 fiche

Among the objective of the Alberta Conservation Strategy are those of preserving biological diversity and using our natural resources on a sustainable basis. This discussion paper examines the management of Alberta's wildlife in relation to these objectives and offers some suggestions for improving the management of this resource. It also outlines the need for bold objectives and a more holistic approach to managing landscape.  
AL CI EV PR

**Une Place pour le Québec au Canada**

par M. Malone. Montréal : Institut de recherches politiques, 1986. xv, 161 p. Bibliogr. ISBN 0-88645-032-2 MICROLOG 90-03753 2 fiche

Ce document se penche sur les points suivants : une situation politique préoccupante ; l'outil constitutionnel est en place ; la diversité canadienne, la relation entre le pluralisme québécois et des aspirations constitutionnelles



logiques; la position du Québec au Canada; l'évolution de l'ancienne minorité sociologique du Québec; les racines et manifestations de la spécificité québécoise; une mission canadienne pour le Québec; et, la participation des Québécois aux Affaires Nationales; les obligations du Québec.  
 • CA PA QU

### Plains Hydrology and Reclamation Project : spoil groundwater chemistry and its impacts on surface water

compiled by Mark R. Trudell. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, 1988. xix, 135 p. : ill. Bibliogr. (Report : RRTAC 88-2)  
 MICROLOG 90-03267 2 fiche

Description of the chemical makeup of spoil groundwater at Diplomat and Vesta mines in the Battle River mining area, 200 km southeast of Edmonton within the Lower Horseshoe Canyon coal zone; and at Highvale and Whitewood Mines in the Lake Wabamun mining area, 100 km west of Edmonton within the Ardley coal zone. This report compares the chemical characteristics of the spoil groundwater for each mine to those of the principal premining aquifer that is disrupted by surface mining. The characterization of spoil groundwater chemistry is based on the sampling and analyses of groundwater from piezometers installed in reclaimed areas. Forty-three samples were collected from 23 piezometers at Vesta Mine, and 54 samples were collected from 32 piezometers at Diplomat Mine. At Highvale Mine, 29 samples were collected from 13 piezometers installed in the reclaimed area at Pit 01. Eleven samples were also collected from piezometers installed in spoil at Whitewood Mine to augment a study of that site.  
 AL EV NR PR SC

### Le Plan d'action gouvernemental en matière de condition féminine, 1986-87

Québec : Ministère du conseil exécutif, Secrétariat à la condition féminine, 1986. 63 p. ISBN 2-550-16222-6  
 MICROLOG 90-01695 1 fiche

Ce plan d'action gouvernemental porte sur le maintien et le développement des interventions gouvernementales en matière de condition féminine au cours de l'année 1986-87. On y examine particulièrement les points suivants: la participation des groupes de femmes aux mécanismes de consultation et de concertation; l'amélioration des conditions de formation des filles et des femmes; l'amélioration de la situation des québécoises sur le marché du travail; l'amélioration de la situation de clientèles spécifiques; l'amélioration de la sécurité économique des travailleuses au foyer; l'amélioration des services collectifs, et, l'état-employeur.  
 PA PR QU SA

### Plan d'action national pour les réserves de la biosphère au Canada

Ottawa : MAB/Canada, Commission canadienne pour l'Unesco, 1987. x, 27, x, 23 p. Bibliogr. (Rapport : 19) *Bilingue (National action plan...)*. ISSN 0317-5693  
 MICROLOG 90-00361 1 fiche (Available on fiche only)

Ce plan d'action a pour but d'établir un réseau efficace des réserves de la biosphère au Canada et d'appuyer ainsi le plan d'action international pour les réserves de la biosphère de l'Unesco. Le plan indique comment le Canada peut contribuer aux 9 objectifs et 35 actions identifiés dans le plan d'action international.  
 CA EV NR SC

### Plan d'action Saint-Laurent : Rapport annuel 1988-89

Ottawa : Environnement Canada, 1989. 40, 40 p. : ill. *Bilingue (St. Lawrence Action...)*. CSI 22384 001. ISBN 0-662-56743-9  
 MICROLOG 90-03166 1 fiche

L'objectif du Plan est de réduire l'ensemble des rejets liquides toxiques déversés dans le fleuve par les 50 établissements industriels reconnus comme les plus polluants. Le document présente le message du ministre de l'Environnement du Canada; le Plan d'action Saint-Laurent; la protection; les technologies environnementales; la restauration, la conservation; le Centre Saint-Laurent; et, la répartition budgétaire.  
 • CA EV NR QU SC

### Le Plan d'action St-Laurent à la Direction des sciences, Institut Maurice-Lamontagne : orientations et objectifs

par J.-C. Therriault...et al. Mont-Joli, Québec : Ministère des pêches et des océans, Direction de la recherche sur les pêches, Institut Maurice-Lamontagne, 1990. iii, 15 p. (Rapport manuscrit canadien des sciences halieutiques et aquatiques ; no 2055) ISSN 0706-6473  
 MICROLOG 90-03106 1 fiche

Pour le secteur SCIENCES-IML du Ministère des Pêches et des Océans, l'objectif principal du Plan d'action Saint-Laurent (PASL) est d'augmenter les connaissances sur les causes et les effets de la contamination chimique dans le Saint-Laurent. Ce document se penche donc sur les grandes orientations (problématique, approche suggérée et résultats escomptés); les orientations spécifiques et objectifs du programme (niveaux de contaminants, signes de toxicité et impact de la contamination sur les pêcheries et le public en général); les critères pour le choix et la priorisation des projets; le format pour la présentation des projets dans le cadre du PASL; le plan de coordination; et les tableaux et figures.  
 • CA CF FI NR PS SC

### Le Plan d'urbanisme et le rôle d'évaluation

Québec : Gouvernement du Québec, Ministère des affaires municipales, 1989. 11 p. (Aménagement et urbanisme) ISBN 2-550-19561-0  
 MICROLOG 90-02189 1 fiche

Chaque municipalité utilise son rôle d'évaluation à des fins de taxation. Grâce aux nombreuses améliorations apportées à chaque mise à jour, ce fichier contient des informations de plus en plus complètes à l'égard de chacune des unités d'évaluation du territoire. La matrice graphique du rôle d'évaluation permet une localisation précise de ces informations. La première partie du document met en relief les avantages que comporte la consultation du rôle et de son sommaire en urbanisme. Ensuite, un exemple illustre un traitement des données du sommaire du rôle. Ces données permettent à titre d'indicateurs de compléter les connaissances déjà acquises sur le territoire. Finalement, la troisième partie du document est un guide expliquant chaque composante de l'exemple.  
 PL PR QU SC

### Le Plan de circulation

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Bureau de l'efficacité énergétique, 1988. i, 47 p. *Sur la couv. : Transport*.  
 MICROLOG 90-04193 1 fiche

Alors qu'au Québec les démographes de toutes appartenances soulignent avec appréhension la stagnation sinon la baisse inquiétante du nombre des natis et ressortissants, le nombre des véhicules routiers, lui, va en augmentant. Les données statistiques fournies dans ce

document font état d'environ 1 860 000 véhicules routiers (dont 1 546 000 automobiles et camions) en 1970, et de 3 470 000 (dont 2 900 000 automobiles et camions) en 1987, soit une augmentation de près du double en moins de 20 ans. Ce document se penche sur la question et fournit des renseignements sur le contexte d'utilisation; l'utilité; le contenu; l'élaboration et l'exécution; les coûts; et, l'évaluation du plan.  
 PR QU SC TR

### Plan de développement touristique : résumé : Bas-Saint-Laurent

Rivière-du-Loup, Québec : Association touristique du bas St. Laurent, 1989. 15 p.  
 MICROLOG 90-03627 1 fiche

Le projet de doter la région du Bas-Saint-Laurent d'une stratégie de développement touristique remonte à 1984. Après une première tentative infructueuse, ce projet fut repris en 1986 par l'Association touristique du Bas-Saint-Laurent assistée par un comité de gestion formé spécialement pour réviser le travail précédemment accompli. Le plan de développement a été adopté en novembre 1988 et fait consensus dans le milieu. L'objectif du plan de développement consiste à identifier les principes qui permettent d'orienter et de prioriser les actions destinées à développer le produit touristique bas-laurentien et à le rendre plus accessible.  
 CU PR QU

### Plan de développement touristique : résumé : Outaouais

Hull, Québec : Société d'aménagement de l'Outaouais ; Association touristique de l'Outaouais, 1989. 16 p.  
 MICROLOG 90-03628 1 fiche

Le plan de développement touristique est un document de référence identifiant les actions prioritaires de développement touristique de l'Outaouais au cours des cinq à dix prochaines années. Le plan constitue un outil de travail commun aux divers intervenants touristiques de la région et favorise la concertation régionale en matière de développement touristique. Ce document constitue un bref résumé du plan.  
 CU PR QU

### Plan de gestion de la sauvagine : Nouveau-Brunswick

Ottawa : Environnement Canada, Service canadien de la faune ; Fredericton : Ministère des Ressources naturelles et de l'Énergie Nouveau-Brunswick, Direction de la pêche sportive et de la chasse, 1990. 16 p.  
 MICROLOG 90-06364 1 fiche

Ce document a pour objet de décrire l'état actuel de la sauvagine et de ses habitats, d'établir des buts et des objectifs et d'énoncer les principes généraux, les stratégies et les programmes qui serviront à atteindre ces objectifs. Le document porte donc sur les points suivants: les buts et objectifs; les buts et stratégies de la gestion des populations de canards et d'oies; les buts et stratégies de la gestion des habitats; les buts et stratégies tendant à promouvoir une sage utilisation de la sauvagine; et, les périls et évaluations.  
 AP EV PR SC

### Plan de gestion des pêches du district de Hearst, 1988-2000

Ontario. Ministère des richesses naturelles. Toronto : le Ministère, 1989. iv, 13 p. : cartes géogr. *L'éd. anglaise (Hearst District : fisheries...)* sur la même fiche. Cartes géogr. *plantes non filmées*. ISBN 0-7729-5075-X  
 MICROLOG 90-00127 1 fiche

Document fournissant des renseignements sur les ressources de pêche; les objectifs et buts en matière de pêche; les stratégies et les méthodes de gestion; le calendrier quinquennal de mise en oeuvre; et l'examen des résultats de la consultation du public. Ce plan décrit



l'orientation à long terme des activités de gestion des pêches dans le district de Hearst jusqu'à l'an 2000.  
FI ON PR SC

# **Le Plan de restructuration de la flottille de pêche du hareng à la senne couissante, 1983 : évaluation économique**

par D.A. MacFarlane. Halifax : Ministère des pêches et des océans, Direction de l'économie et de la coordination des programmes, 1989. vi, 54 p. Bibliogr. (Rapport d'analyse économique et commerciale ; no 31) *L'éd. anglaise (An Economic assessment of herring...)* : 90-015931. ISSN 0847-1185 ISBN 0-662-95897-7  
MICROLOG 90-04753 1 fiche

Cette étude fait la synthèse de l'évolution qui s'est produite dans le secteur de la pêche du hareng à la senne couissante à la suite de la mise en oeuvre en 1983 du Plan de gestion. Son objectif principal est de déterminer dans quelle mesure les objectifs de ce plan décennal sont atteints à mi-course, examiner la réaction du secteur; et repérer les facteurs agissant sur l'évolution de la flottille pendant la période intermédiaire.

• CA CF FI SC

# **A Plan for a water protection programme for the sea off Kuivaniemi with reference to fish farming : working group proposal**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 86 p. : ill., maps. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5271) *Originally published in Finnish, by the Government of Finland.* ISSN 0704-3716  
MICROLOG 90-02741 1 fiche

The volume of rainbow trout culture increased sharply in marine areas in Finland at the end of the 1970s, encouraged by low investment costs associated with net cages and a faster growth rate of the fish. Just over half of the tonnage of fish produced was cultured in the Turku archipelago and plans were being made for further increases. Since the operations could cause conflict with recreational use, coastal housing, fishing and conservation of some islands, a plan to control water pollution was necessary. The plan observed the pollution in the area, its development and contributing factors; the possibilities of reducing pollution caused by existing fish farming; and the possibilities of increasing fish farming in the area.

• CA CF EV FI SC

# **Le Plan quinquennal d'investissements universitaires pour la période 1989-94**

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1989. i, 19 p. (Avis ; no 89.8) *CSI 67164.003.* ISSN 0709-3985 ISBN 2-550-20237-6  
MICROLOG 90-01047 1 fiche

Les investissements prévus au plan quinquennal se regroupent en trois grandes catégories: les enveloppes annuelles, les enveloppes supplémentaires et les projets de construction. Ces derniers sont tous présentés dans ce document. De plus, le document rappelle brièvement la structure des plans quinquennaux d'investissements; décrit les principales caractéristiques du plan quinquennal 1989-1994; et contient l'avis du Conseil, ses commentaires et ses recommandations.

ED PR QU

# **Plan quinquenniel ministériel, 1990-91 à 1994-95**

Canada. Travaux publics Canada. Ottawa : le

Ministère, 1990. 18, 18 p. *Bilingue (Five year corporate...).* *CSI 21118.002*  
MICROLOG 90-05302 1 fiche

Le Plan donne d'abord un aperçu de la structure de planification de Travaux publics Canada, puis met en relief les principaux facteurs internes et externes qui influenceront sur les activités du Ministère au cours des cinq prochaines années; il passe ensuite en revue le mandat de ce dernier, son engagement et ses valeurs; il présente l'orientation stratégique de TPC ainsi que les idées-forces et les tactiques qui en découlent; et, enfin, fixe des objectifs précis pour le premier exercice visé par le Plan (1990-91).

CA PW

# **Plan tactique : ours blanc : document préliminaire**

par M. Crête, D. Vandal et H. Laflamme. Québec : Ministère du loisir, de la chasse et de la pêche, Direction de la gestion des espèces et des habitats, 1989. vi, 38 p. Bibliogr. ISBN 2-550-19697-X  
MICROLOG 90-01789 1 fiche

L'ours blanc pose un problème unique aux gestionnaires de la faune du Québec puisque l'espèce est exploitée par des autochtones québécois chassant, dans la majorité des cas, aux Territoires du Nord-Ouest. Qui plus est, ces ours peuvent aussi fréquenter l'Ontario, le Manitoba et la côte du Labrador. Le plan tactique présenté dans ce document analyse le statut des populations d'ours blancs exploités par les québécois. De plus, on y aborde les sujets suivants: la biologie de l'espèce; la dynamique des populations; l'offre; la demande, l'utilisation et l'impact économique; les outils de gestion; la problématique, les alternatives de solutions; et, les orientations.

EV PR QU SC

# **A Plan to identify and assess emission reduction opportunities from transportation, industrial engines and motor fuels**

prepared by Energy and Emissions Engineering, Transport Canada, Road Safety and Motor Vehicle Regulation ; Transportation Systems Division, Environment Canada, Industrial Programs. Ottawa : Transport Canada ; Environment Canada, 1989. 50 p.  
MICROLOG 90-06310 1 fiche

Plan to identify and assess opportunities to reduce emissions associated with the use of internal combustion engines and the fuels that power those engines. The plan focuses on emission reductions possible from transportation motor vehicles; industrial equipment used in construction, agriculture, forestry, and mining; and motor fuel production, distribution, marketing and use. The plan addresses the issues of climate change, depletion of the ozone layer, acid deposition, photochemical oxidants and other toxic air pollutants. Canadian actions in reducing these emissions are described, along with the Canadian approach to environmental protection. Emission inventories and projections for non-methane hydrocarbons, carbon monoxide, carbon dioxide, oxides of nitrogen and particulate matter are given. A description of the initiatives under study, the proposed emission reductions and the schedule of reductions are also included.

CA EV SC TR

# **Plankton size spectra in lakes of western Canada**

by F.J. Hardy, K.S. Shortreed and J.G. Stockner. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 26 p. Bibliogr. (NHRI contribution ; no. 88026) ISSN 0838-1992  
MICROLOG 90-06496 1 fiche

Comparison of plankton size spectra in 7 warm monomictic (9 dystrophic) coastal lakes in B.C.

with data from 19 dimictic lakes in the Yukon Territory. During a part of the study (1980-84), a number of the monomictic lakes received whole-lake additions of inorganic nitrogen and phosphorus.  
BC CA FI NO PS SC

# **Planktonic larvae of lamellibranch mollusks from the Potevedra Estuary, northwest Spain**

by M. Dominguez and M. Alcaraz. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 17 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5179) *Originally published in Spanish.* ISSN 0704-3716  
MICROLOG 90-00086 1 fiche

Description of the taxonomic groups of lamellibranch larvae identified in the plankton of the Potevedra Estuary. The methods used in sampling, preparation, mounting and observation are also discussed

• CA CF FI LS SC

# **A Planner's reference to legislation, provincial policies and guidelines -- 6th ed.**

Ontario. Ministry of Municipal Affairs. Program Services Branch. Toronto : The Branch, 1989. 79, 86 p. *Bilingual (Répertoire des termes...).* ISSN 0825-9739  
MICROLOG 90-03792 2 fiche

This document is intended to assist you in finding legislation pertinent to various planning topics. For each topic, it provides a reference, description and notes.  
JU ON PA PR

# **The Planning and development approvals process : towards a more effective planning system**

AMO/Industry/Government Steering Committee. Toronto : Ministry of Housing ; Ministry of Municipal Affairs, 1989. 20, 21 p. *Bilingual (Processus d'approbation des demandes...).* ISBN 0-7729-5711-8  
MICROLOG 90-01142 1 fiche

This report documents the findings and recommendations of the Committee to improve the planning and development approval process, and its technical sub-committee and working group.  
ON PL PR

# **Planning logging : two case studies on the Queen Charlotte Islands, B.C.**

by E.A. Sauder and G.V. Wellburn. Victoria : Ministry of Forests and Lands, 1989. vi, 47 p. : ill., maps. Bibliogr. (Land management report ; no. 59) (FERIC special report ; no. SR-57) ISSN 0702-9861 ISBN 0-7718-8767-1  
MICROLOG 90-04420 1 fiche

Discussion of the process of planning logging operations on steep, unstable terrain on the Queen Charlotte Islands, B.C. The report describes the current logging planning process, its data requirements and methods of data collection, and the results of a series of alternative logging plans prepared to minimize the potential for logging-accelerated mass wasting. Recommendations are also made for improving the planning process through the amount and quality of data required, evaluating alternative plans, and logging-system selection. Intensive ground mapping on 2 watersheds provided data for the preparation of detailed logging plans. The logging plans involved various combinations of equipment, including equipment that was in common use at the time (highlead, mobile yarding crane, and grapple), equipment that was less common (tower skyline), and equipment not yet available (helicopter).

• BC CA FO PR SC



**Planning report on natural resources : Rossburn planning district**

prepared by the Resource Allocation Working Group. Winnipeg : Manitoba Natural Resources, 1989. 22 p. : fold. maps. (Technical report ; 89-6)  
MICROLOG 90-00449 1 fiche

Municipal councils or established Planning District Boards are charged with the responsibility for municipal land use planning and development. This document was prepared in response to a request from the local municipal planning authority for background material on the subject of natural resources for which the Department is responsible. The document describes the natural resources in the study area, and identifies provincial and departmental concerns and objectives from a land use, development planning perspective. It offers for review policies and guidelines to remedy, mitigate or anticipate issues and land use problems. The bases for the report are the provincial land use policies dealing with natural resources and the policies of Manitoba Natural Resources. Coverage includes fisheries, forestry, outdoor recreation, ground and surface water, wildlife, and Crown land.  
MS NR PL PR SC

**Planning report on natural resources : Ste. Rose Planning District**

Manitoba. Resource Allocation Working Group. Winnipeg : Manitoba Natural Resources, 1990. 31 p. : maps, fold. maps. (Technical report ; 89-7)  
MICROLOG 90-07162 1 fiche

Municipal councils or established planning district boards have the responsibility for municipal land use planning and development. This document was prepared in response to a request from the local municipal planning authority for background material on natural resources for which this Department is responsible. The document describes the natural resources in the study area, and identifies provincial and departmental concerns and objectives from a land use, development planning perspective. It offers for review policies and guidelines to remedy, mitigate or anticipate issues and land use problems. Natural resources covered include the fishery, forestry, outdoor recreation, surface and groundwater resources, wildlife, and Crown land.  
EV MS NR PR SC

**Planning Toronto's future : a compendium of community views, part 1**

submitted to the Cityplan '91 Task Force. Toronto : Toronto Planning and Development Dept., 1990. 293 p. On cover: *Cityplan '91*, 3  
MICROLOG 90-02847 4 fiche

This document represents a step in the process known as Cityplan '91: the development of a new Official Plan for Toronto's Central Area. It includes many views, gathered from task force constituencies, multicultural constituencies, and special interest groups, of how this Plan should evolve.  
MU ON PL

**Planning Toronto's future : a compendium of community views, part 2**

submitted to the Cityplan '91 Task Force. Toronto : Toronto Planning and Development Dept., 1990. 82 p. On cover: *Cityplan '91*, 4  
MICROLOG 90-02848 1 fiche

This document represents a step in the process known as Cityplan '91: the development of a new Official Plan for Toronto's Central Area. It contains the views of Toronto's

various interest groups on what should be included in the Plan. The focus of this report is the homeless, the City's multicultural communities, and church groups.  
MU ON PL

**Plans et rapports d'aménagement forestier : instructions**

voir Instructions relatives à la confection du plan quinquennal d'aménagement forestier

**Plant air quality following accidental radioactive releases : literature survey and model tests on recirculation and interference for two in-line cubes**

by P.R. Slawson and G.J. Hitchman. Ottawa : Atomic Energy Control Board, 1987. 45 p. : ill. Bibliogr. (Research report ; INFO-0315)  
MICROLOG 90-01370 1 fiche

Radionuclides exhausted to the atmosphere through vent stacks may contaminate the immediate building structure and/or nearby adjacent buildings resulting in hazardous contaminants entering the intake air. This report presents an overview of the analytical and experimental tools available to evaluate the transport and diffusion of vented effluents, and the nature of flows about structures, to predict the concentrations adjacent to and subsequently inside the immediate and nearby structures. A scaling analysis established the requirements for physical modelling of flows about structures in wind and/or water tunnels and a series of test model studies were conducted in a water tunnel. A literature survey was conducted to establish the nature and mathematical modelling of flows about structures and mathematical modelling of the concentration field from roof-top vent effluents and the models for predicting concentrations within structures was investigated.  
CA EN EV SC

**Plant Biotechnology Institute (Canada) : Annual report 1988-89**

Saskatoon, Sask. : National Research Council Canada, 1989. 50 p. : ill. Bibliogr. CS/ 99196.001  
MICROLOG 90-02249 1 fiche (Available on fiche only)

The National Research Council operates more than a dozen national laboratories along with programs for scientific-technical information and industrial research assistance. In the biotechnology program, the Plant Biotechnology Institute has the mission of delivering new, exploitable biological and biochemical methods for the control and genetic alteration of plant development, especially at the cellular and molecular levels. This annual report covers the highlights of the year, the organization and personnel, business and outreach activities, support services, and laboratories for cell technology, gene technology, and biological chemistry. A list of publications, patents and expenditures are also given.  
• CA LS SC

**Plant biotechnology vocabulary**

by L. Boudreault-Lapointe. Ottawa : Translation Bureau, Terminology and Linguistic Services Branch, 1988. viii, 77 p. Bibliogr. (Terminology bulletin ; 180) *Bilingual* (*Vocabulaire de biotechnologie...*). ISBN 0-660-53993-4  
MICROLOG 90-04846 1 fiche

This English-French, French-English glossary deals with plant biotechnology, which includes all the techniques that draw on the biochemical properties of biological entities, either as they occur in nature or as modified by genetic recombination, to improve agricultural production or the industrial manufacturing of various pharmaceutical products.  
CA LS SC

**Plant bugs on fruit crops in Canada : Heteroptera : Miridae**

by L.A. Kelton. Ottawa : Agriculture Canada, Research Branch, 1982. 201 p. : ill., maps. Bibliogr. (Monograph ; no. 24) ISBN 0-660-11366-X  
MICROLOG 90-03127 3 fiche

Plant bugs are not well known despite their economic importance, the large numbers found on the fruit crops, and the fact that they have been with us for a long time. This bulletin aims to help economic research scientists and fruit growers to identify the plant bugs found on the fruit crops and to provide information on their habits and biology. The 81 species collected represent approximately 6% of the total number of Miridae species believed to occur in Canada. Adults of most species treated here are illustrated, and male claspers of closely related species are figured. Brief descriptions of adults, biology, and distributions are included. Keys to subfamilies, genera, and species are also provided.  
AG CA SC

**Plant-parasitic nematodes in Canada, part I : an illustrated key to the genera**

by R.V. Anderson and R.H. Mulvey. Ottawa : Agriculture Canada, Research Branch, 1979. 152 p. : ill. Bibliogr. (Monograph ; no. 20) ISBN 0-660-10055-X  
MICROLOG 90-03126 2 fiche

Illustrated key to the genera of plant-parasitic nematodes in Canada to acquaint growers and specialists concerned with the cultivation and production of healthy plants with the kinds of soil-inhabiting nematodes that attack plants, based mainly on the Canadian National Collection of Nematodes. The key is divided by family and genera and includes a glossary.  
AG CA SC

**Plantation assessment private lands, 1985**

Truro, N.S. : Dept. of Lands and Forests, 1988. 15 p. : ill. Bibliogr. (Forest research report ; no. 5)  
MICROLOG 90-02225 1 fiche

From 1977-84, over 10 million seedlings were shipped to private woodlot owners for the reforestation of cutovers, abandoned fields, and other non-regenerating or poorly stocked lands in Nova Scotia. In November 1985, a survey was conducted of selected plantations established on these woodlots. Plantation records were utilized to determine the location and background for each plantation sampled, then plots were established, located at predetermined, equal intervals along parallel and equally spaced cruise lines in each plantation. Planted trees were categorized as healthy, unhealthy or dead and vegetative competition for each planted tree was noted as either light, moderate or severe. The percentage stocking for plantations was determined for planted trees to total area; planted trees to plantable area; natural regeneration to total area; and planted trees plus natural regeneration to total area.  
AP FO PR SC

**Plantation pest assessment surveys in New Brunswick in 1989**

S.I. : Canadian Forestry Service - Maritimes, 1989. 7 p. (Technical note ; no. 231) ISSN 0820-8107  
MICROLOG 90-04585 1 fiche

Multi-agency plantation pest assessment surveys have been carried out in New Brunswick since 1986 to detect pest problems and to assess the level of damage. Assessments included detailed examination of 50 trees in each of the plantations assessed in groups of 5. In 1989, 274 plantations were surveyed. This pamphlet presents the results of the 1989 survey in a



series of tables, organized to show the various conditions in the 5 regions of the N.B. Dept. of Natural Resources and Energy.

• AP CA FO SC

### Plantation pest assessment surveys in Nova Scotia in 1989

S.I. : Canadian Forestry Service - Maritimes, 1989. 8 p. (Technical note ; no. 232) ISSN 0820-8107

MICROLOG 90-04586 1 fiche

Multi-agency plantation pest assessment surveys have been carried out in Nova Scotia since 1987 to detect pest problems and to assess the level of damage. Assessments included detailed examination of 50 trees in each of the plantations assessed in groups of 5. A total of 2,745 trees in 671 plantations were assessed in 1989. The results of the survey are presented in a series of tables, organized to show the various conditions in the 7 N.S. Dept. of Lands and Forests resource management regions.

• AP CA FO SC

### Les Plantes aquatiques vasculaires nuisibles du canal Rideau, au sud-est de l'Ontario

par K.W. Spicer et P.M. Catling. Ottawa : Agriculture Canada, Direction générale de la recherche, 1990. 51 p. : ill. Bibliogr. (Bulletin technique ; 1990-3F) L'éd. anglaise (Vascular aquatic weeds...) : 90-05440/1. ISBN 0-662-95913-2

MICROLOG 90-05439 1 fiche

La gestion de la végétation aquatique est devenue la préoccupation de nombreux groupes de personnes, et surtout de ceux qui s'occupent de l'agriculture d'irrigation, et de la gestion des loisirs et de la faune. Cette étude porte sur la composition de la végétation de trachéophytes aquatiques en plusieurs emplacements situés le long du système du canal Rideau, dans le sud-est de l'Ontario.

• AG CA ON SC

### Plantes toxiques du Canada

par G.A. Mulligan et D.B. Munro. Ottawa : Agriculture Canada, 1990. 88 p. Bibliogr. L'éd. anglaise (Poisonous plants of Canada) : 90-05904/1. ISBN 0-660-92850-7

MICROLOG 90-05909 1 fiche

Cette publication présente la documentation sur les plantes indigènes, naturalisées et cultivées du Canada qui sont connues pour leurs effets nocifs sur les humains (annexe 1) et les animaux (annexe 2). Elle est basée sur deux publications déjà parues ainsi que sur les suggestions et les rectifications reçues à la suite de la publication de ces ouvrages et sur des renseignements supplémentaires recueillis dans d'autres documents traitant de ce sujet.

AG CA SC

### Planting and tending recommendations for red oak *Quercus rubra* L.

S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. : ill. (Technical note ; no. 233) ISSN 0820-8107

MICROLOG 90-05004 1 fiche

Note on planting and tending red oak trees, including where and where not to plant, site preparation, species mixtures, spacing, planting stock, time of planting, weed control after planting, rodent control, and pruning.

• AP CA FO SC

### Planting and tending recommendations for sugar maple *Acer saccharum* Marsh.

S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. : ill. (Technical note ; no. 235) ISSN 0820-8107

MICROLOG 90-05002 1 fiche

Note on planting and tending of sugar maple trees, including where and where not to plant,

site preparation, species mixtures, spacing, planting stock, time of planting, weed control after planting, rodent control, and pruning.

• AP CA FO SC

### Planting and tending recommendations for white ash *Fraxinus americana* L.

S.I. : Canadian Forestry Service - Maritimes, 1990. 2 p. : ill. (Technical note ; no. 234) ISSN 0820-8107

MICROLOG 90-05003 1 fiche

Note on planting and tending of white ash, including where and where not to plant, site preparation, species mixtures, spacing, planting stock, time of planting, weed control after planting, rodent control, and pruning.

• AP CA FO SC

### Planting conifers in the spruce woods, 1904-79

Ottawa : Canadian Forestry Service, 1990. 20 p. : maps. (Forest management demonstration note ; no. 14) MICROLOG 90-06245 1 fiche

The Spruce Woods Provincial Forest in south-central Manitoba is an island of mixedwood forest within aspen and oak forest. This brochure describes the planting done from 1904-79; the silvicultural management and plantation protection measures taken from 1964-79; and the logging and volume of individual stands from 1967-89. Details are given for trees planted, species used and distance apart.

• CA FO SC

### Planting stock improvement research update

S.I. : Canada-British Columbia Economic and Regional Development Agreement, 1988. 16 p. (Research memo ; no. 049) MICROLOG 90-01825 1 fiche

Summaries of progress to March 31, 1988 and initiatives undertaken in fiscal year 1988/89. Reports are categorized by seed, rooted cuttings and tissue culture propagation; nursery culture; drought; seedling quality; nursery pest management; and mycorrhizae. Each project summary includes the leader, CFS contacts, objectives, progress to date, and expected benefits.

• BC CA FO SC

### Plants of Riding Mountain National Park, Manitoba

by W.J. Cody. Ottawa : Agriculture Canada, Research Branch ; Environment Canada, Canadian Parks Service, 1988. 319 p. : ill. Bibliogr. ISBN 0-660-12879-9

MICROLOG 90-00005 4 fiche

Within the boundaries of Riding Mountain National Park, a total of 88 families, which include 300 genera, 669 species, and 2 hybrids, are known to occur. This publication provides a workable key to the vascular plants found within the park, including brief descriptions of each. The book is based on studies carried out during the summers of 1979 and 1983 and on the study of extensive collections made during the first year in particular. A list of excluded species and a checklist of species, along with a glossary, are included.

• CA LS MS SC

### Plasma synthesis of ultrafine silicon carbide powders : final report

by C. Laflamme, J. Jurewicz and M.I. Boulos. Sherbrooke, Que. : Université de Sherbrooke, Dept. of Chemical Engineering, Plasma Technology Research Centre, 1990. 40 p. : ill. CANMET contract: 79180-01-SS. MICROLOG 90-05652 1 fiche

Feasibility study for the plasma synthesis of high purity ultrafine powders of silicon carbide, with special attention given to raw material and energy cost in the selection of the reaction

route and the reactor design used. Priority was given to the possible use of relatively low-cost raw materials such as silica or elemental silicon as starting material in favour of more expensive traditional feedstocks such as silane or silicon tetrachloride used by earlier investigations in this field. The proposed approach is based on the direct carburization of silicon vapour/condensed droplets using methane as quench gas.

• CA CM NR PS SC

### Platinum

Ottawa : Energy, Mines and Resources Canada, 1989. iii, 32 p. : ill. ISBN 0-662-17038-5

MICROLOG 90-04469 1 fiche

Overview of the platinum metals industry, including uses, markets, existing production, current exploration and the recovery of platinum group elements

CA NR SC ST

### Platinum-group metals in Manitoba : an inventory

by P. Athayde. Winnipeg : Manitoba Energy and Mines, Geological Services, 1989. v, 47 p. : ill., maps. Bibliogr. (Open file report ; OF89-5) MICROLOG 90-05332 1 fiche

Description of the 61 known platinum-group metals (PGM) occurrences in Manitoba with PGM values that range from trace in sample assays to small amounts contained as by-products in nickel-copper deposits. Also included are brief descriptions of current PGM exploration projects, and other potential PGM exploration targets. Information sources include non-confidential (or cancelled) assessment files, corporation files (including old newspaper clippings), unpublished information files, mining engineering files, and mineral inventory cards.

MS NR PR PS SC

### Play space design : supplement

Winnipeg : Manitoba Culture, Heritage and Recreation, Recreation, 1990. 16 p. : ill. Bibliogr.

MICROLOG 90-06529 1 fiche

Supplement to the play space design manual of 1983. This supplement contains information on the integration of disabled children, surface materials, site inventory, plants, plan development and equipment representatives and suppliers.

CU MS PR SA

### Plea discussions and agreements

Ottawa : Law Reform Commission of Canada, 1989. 97, 106 p. Bibliogr. (Working paper ; 60) Bilingual (Les Discussions et ententes...). ISBN 0-662-56809-5

MICROLOG 90-00957 3 fiche

This document presents the Commission's view on the need for reform together with their recommendations and commentary.

CA JU

### Le Plein emploi est un objectif réalisable : rapport

présenté au Ministre de l'emploi et de l'immigration ; par le Conseil consultatif canadien de l'emploi et de l'immigration. Ottawa : le Conseil, 1990. ix, 50, ix, 48 p. Bibliogr. Bilingual (Full employment is an achievable...). MICROLOG 90-05873 2 fiche

On trouve dans ce rapport final des observations sur le redressement inégal de l'économie et de l'emploi qui a suivi la récession. Il se penche particulièrement sur la création d'emplois, la gestion du marché du travail, le financement des mesures d'emploi, les conclusions et les recommandations.

CA LA



**Les Pluies acides -- Rév.**

par T. Curren. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 24 p. Bibliogr. (Bulletin d'actualité ; 79-37F) L'éd. anglaise (*Acid rain*) sur la même fiche. ISBN 0-660-92762-4 MICROLOG 90-03019 1 fiche

Les précipitations acides, ou les pluies acides comme on les appelle communément, préoccupent de plus en plus bon nombre de Canadiens. Ce n'est pas pour autant un problème nouveau, puisque l'acidification des lacs remonte au début des années 50 en Ontario. A cette époque-là, on considérait que c'était simplement un problème local résultant de la proximité des fonderies de nickel de Sudbury, mais depuis, les savants ont démontré l'acidification et la contamination de beaucoup d'autres lacs; on reconnaît maintenant que l'acidification est un phénomène répandu qui présente un grand danger pour l'environnement. Ce document porte sur les pluies acides et en examine les faits saillants. CA EV SC

**Les Pluies acides, un compte à rebours : résumé et analyse de la septième série de rapports d'étape, 31 juillet 1989, remis par les quatre principales sources d'émission d'anhydride sulfureux de l'Ontario**

Toronto : Ministère de l'environnement, 1990. 19 p. L'éd. anglaise (*Countdown acid rain...seventh...*) : 90-04332/1. MICROLOG 90-05977 1 fiche

Ce programme, mis sur pied en 1985, fixe à 885 kilotonnes par an la quantité maximale d'anhydride sulfureux qui pourra être émise dans la province à compter de 1994. Pour que cette limite soit respectée, des règlements ont été adoptés en décembre 1985 imposant aux quatre entreprises intéressées une réduction précise de leurs émissions de SO<sub>2</sub> entre 1986 et 1994, date à laquelle le plafond autorisé s'élèvera à 665 kilotonnes. Ce document résume les septièmes rapports présentés par ces entreprises (c'est-à-dire les premiers rapports préparés pendant la phase de mise en oeuvre), ainsi que les réponses du gouvernement. EV ON PR SC

**Les Pluies acides, un compte à rebours : résumé et analyse de la sixième et dernière série de rapports d'étape remis par les trois principaux producteurs d'anhydride sulfureux du secteur métallurgique en Ontario**

Toronto : Ministère de l'environnement, 1989. iii, 39 p. MICROLOG 90-05978 1 fiche

Le programme 'les pluies acides', un compte à rebours, créé par voie de règlement en 1986, oblige les quatre grands pollueurs à ramener leurs émissions à un seuil précis d'ici 1994 et à présenter des rapports d'étape semestriels. Au terme d'une phase de recherche-développement d'une durée de trois ans, les entreprises concernées ont remis un rapport final sur leurs plans de lutte contre la pollution; ces rapports sont l'objet de ce document. EV ON PR SC

**Les Pluies acides, un compte à rebours, deux ans plus tard : résumé et analyse de la quatrième série de rapports d'étape remis par les quatre principales sources d'émissions d'anhydride sulfureux de l'Ontario**

Toronto : Ministère de l'environnement, 1988. 11 p. MICROLOG 90-05976 1 fiche

Le programme 'les pluies acides', un compte à rebours, lancé par le gouvernement de l'Ontario en décembre 1985, vise à faire tomber, à l'échelle de la province, les émissions d'anhydride sulfureux (SO<sub>2</sub>) de 2 194 kilotonnes qu'elles étaient en 1980 à 885 kilotonnes en 1994. A cette fin, les quatre sociétés qui produisent environ 80 % des émissions de SO<sub>2</sub> en Ontario sont soumises depuis 1986 à des règlements non susceptibles d'appel qui les obligent à réduire graduellement leurs émissions jusqu'à ce qu'elles atteignent l'objectif fixé pour 1994. Le document donne une description complète du Programme de lutte contre les gaz acides de l'Ontario. EV ON PR SC

**Pneumatic transport of raw material from wharf to tank**

by A. Sangolt. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 3 p. (Canadian translation of fisheries and aquatic sciences ; no. 5318) Originally published in Norwegian. ISSN 0704-3716 MICROLOG 90-02109 1 fiche

Trials with a pneumatic raw material conveyor were carried out in the fall of 1979 and gave promising results. The structure was set up between the wharf and a raw material tank, and trawl fish of various sizes and mackerel were successfully conveyed. This paper describes the system, and compares the pneumatic system with a pumping system. ● CA CF FI SC

**Poids lourds et carburants : tendances et prospective**

par S. Vespa et R.F. Webb. Montréal : Transports Canada, Groupe des politiques et de la coordination, Centre de développement des transports, 1990. 16 p. Bibliogr. Communication pour le 25e congrès annuel Association québécoise du transport et des routes MICROLOG 90-07192 1 fiche

Au cours des 15 dernières années, la productivité des poids lourds a fait un bond impressionnant, sous la double impulsion de l'essor fulgurant dans le domaine du transport de marchandises, où la concurrence est féroce, et de la spirale ascendante du prix des carburants. De 1975 à 1990, le prix du carburant diesel a triplé; il compte désormais pour 15 p. 100 du coût total du transport routier lourd, qui s'établit à près de deux dollars au kilomètre, et il n'est dépassé que par le coût de la main-d'oeuvre. Ce document se penche sur cette question et fournit des détails importants. CA EN SC TR

**Poisonous plants of Canada**

by G.A. Mulligan and D.B. Munro. Ottawa : Agriculture Canada, 1990. 96 p. Bibliogr. French ed (*Plantes toxiques du Canada*) : 90-05909/1. ISBN 0-660-13467-5 MICROLOG 90-05904 2 fiche

This publication contains documented evidence on all the native, naturalized, and cultivated plants of Canada that are known to have poisoned humans or animals, or both. Only the most important of those plants which cause dermatitis are mentioned. Also excluded are those plants that cause injuries because of barbs and spines, poisonous blue-green algae, and plant products or plants that produce toxic substances because of the actions of microorganisms. Plants are listed alphabetically by botanical names, with indices to common names and botanical names. AG CA SC

**Polar Bear Pass National Wildlife Area : management plan**

prepared by Environment Canada, Canadian Wildlife Service and Polar Bear Pass Area

Advisory Committee. Yellowknife : The Service, 1990. iv, 24 p. Bibliogr. MICROLOG 90-06693 1 fiche

This management plan relates to Polar Bear Pass National Wildlife Area on Bathurst Island, NWT. The plan provides a history and background to the establishment of the park; the responsibilities of the involved federal departments; the goals and objectives; policies for the management of land and landuse, rare, threatened or endangered species, research, archaeological sites and recreation; the natural setting; wildlife; and the past and present uses of the Pass. Checklists of birds, fishes, and animals of the area, and the regulations relating to it are also included. ● CA CU NO

**Polar Continental Shelf Project : titles and abstracts of scientific papers supported by PCSP, 1989**

by G.D. Hobson and J. Voyce. Ottawa : Energy, Mines and Resources Canada, 1989. v, 185 p. ISBN 0-662-56579-7 MICROLOG 90-01149 2 fiche

Compilation of publications arising from fieldwork supported by PCSP over the past 4 years. Papers are listed alphabetically by author within subject category, covering not only the Polar Continental Shelf, but most of Canada's High Arctic. An author index is included. CA NO PS SC

**La Police des autochtones**

par D.J. Loree. Ottawa : Collège canadien de police, 1987. vi, 115 p. : ill. Bibliogr. L'éd. anglaise (*Policing native communities*) : 90-01231/2. ISBN 0-662-93997-2 MICROLOG 90-01232 2 fiche

Au cours de la dernière décennie, on a assisté à des efforts systématiques visant à examiner comment la loi et le système de justice pénale traitent les autochtones. Ce document se penche sur la question et étudie particulièrement les points suivants: le problème; la méthodologie; les contacts; la formation et l'expérience; l'interaction des services de police; les perceptions de la communauté autochtone; et, le travail d'investigation. CA JU NP

**Police force terminology**

prepared by Héléne Michon ; revised and enlarged by Héléne Tremblay. Ottawa : Federation of Canadian Municipalities ; Translation Bureau, 1981. viii, 72, viii, 68 p. Bibliogr. (Terminology bulletin ; 173) Bilingual (*Terminologie de la police*). ISBN 0-660-50815-X MICROLOG 90-04845 2 fiche

This publication is a revised and enlarged edition of the Police Terminology published in 1979. It consists mostly of terms referring to ranks and titles, as well as patrols and criminal investigations. It also contains terms relating to police operations and auxiliary services. CA JU

**Police recruitment of ethnic minorities**

by C.H.S. Jayewardene and C.K. Talbot. Ottawa : Canadian Police College, 1990. iv, 79 p. Bibliogr. ISBN 0-662-17692-8 MICROLOG 90-05573 1 fiche

This document determines whether there exists a problem between the police and members of visible minorities, and whether employment equity will solve the problem. It focuses on allegations of police racism, ethnic residential communities, ethnic crime and criminality, and countering allegations of police racism. ● CA JU SA



**Police, affaires correctionnelles et services de sécurité : données sur le ministère**

Ottawa : Solliciteur général Canada, 1988. 23, 20 p. *Bilingue (Policing, corrections and security...)*. ISBN 0-662-56256-9  
MICROLOG 90-01707 1 fiche

Le Ministère a pour mission d'assurer le maintien de la sécurité nationale et d'aider à rendre les collectivités canadiennes plus sûres. Il se compose de quatre organismes: la Gendarmerie royale du Canada, le Service correctionnel du Canada, le Service canadien du renseignement de sécurité et la Commission nationale des libérations conditionnelles. Cette brochure a pour but de fournir un aperçu de la manière dont le Ministère s'acquitte de ses responsabilités touchant les services de police, de correction et de sécurité, et de la façon dont il s'y prend pour améliorer ces services.  
CA JU PA

**Policies, services and capacity of Canadian universities to enrol international students**

Ottawa : Association of Universities and Colleges of Canada, International Division, 1990. ix, 77 p. : ill. *CSI 99408.200*  
MICROLOG 90-05829 1 fiche

The main objective of this report is to discuss a number of key elements of Canadian university involvement in the international domain, most particularly institutional capacity to accept international students. It also investigates and analyzes institutional policies, practices, and views relating to the recruitment of international students. In addition, it explains and analyzes the institutional perspective on what governments, non-government organizations, the private sector, the institutions themselves, and others should be doing to make Canada's postsecondary education systems an attractive option for students from other countries.  
• CA ED EX

**Policing : the evolution of a mandate**

by A.K. McDougall. Ottawa : Canadian Police College, 1988. viii, 81 p. Bibliogr. *French ed. (L'Evolution du mandat policier)* : 90-01233/2. ISBN 0-662-15984-5  
MICROLOG 90-01234 1 fiche

This study traces the broad evolution of the 'new police' and their mandate in an attempt to access the relative position and potential of police leadership in the United Kingdom, the United States, and Canada. It also reviews policing in England before the creation of the modern state.  
CA JU

**Policing native communities**

by D.J. Loree. Ottawa : Canadian Police College, 1987. vi, 102 p. : ill. Bibliogr. *French ed. (La Police des autochtones)* : 90-01233/2. ISBN 0-662-15050-3  
MICROLOG 90-01231 2 fiche

Explores the major dimensions of the relationship between the R.C.M.P. and Native people. It examines the institutional dimension and the individual officer's perceptions of, and interactions with, the community. The focus is on the extent to which the police as an institution or as individual officers are allowed, or willing to take into account the nature of the community they serve.  
CA JU NP

**Policing, corrections and security : facts about Solicitor General Canada**

Ottawa : Solicitor General Canada, 1988. 20, 23 p. *Bilingue (Police, affaires correctionnelles...)*. ISBN 0-662-56256-9  
MICROLOG 90-01707 1 fiche

This document gives an overview of the work of the Ministry in fulfilling its responsibilities for policing, corrections and security and strengthening the policing, corrections and security systems. The report gives an overview of the role of the Ministry and its resource allocations and the role and activities of the Secretariat, the Canadian Security Intelligence Service, the Royal Canadian Mounted Police, the Correctional Service of Canada, the National Parole Board, and the correctional investigator.  
CA JU PA

**Policy and research issues in self-help housing production**

prepared for Strategic Policy and Planning Division, Canada Mortgage and Housing Corporation. Ottawa : NORDCO Limited, 1989. 15 p. Bibliogr.  
MICROLOG 90-03806 1 fiche

The purpose of this report is to provide a commentary on the policy implications of self-help housing production, and to suggest directions for further research which might lead to future policy initiatives and, if so, the character of those initiatives.  
CA SA

**Policy on large-scale retail uses in industrial areas : reports to council**

Vancouver, B.C. : Vancouver Planning Dept., 1987. 22 p.  
MICROLOG 90-03105 1 fiche

On August 11, 1987, Council enacted amendments to the Zoning and Development By-law which limited outright and conditional retail uses in all industrial districts to 10,000 square feet. This report recommends means to clarify the intent of these amendments for the benefit of the Board of Variance and others who will need to interpret Council's direction.  
BC MU PL

**Policy on the procurement and advancement of environmentally-sound and recycled products for the New Brunswick government : appendix A**

New Brunswick. Dept. of Supply and Services. Fredericton : The Dept., 1990. 2 p.  
MICROLOG 90-03758 1 fiche

Explanation of, and important points in, the New Brunswick government's policy of using environmentally-sound products as supplies.  
AP EV PR SC

**Policy statement on racial slurs and harassment, and racial jokes**

Ontario Human Rights Commission. Toronto : The Commission, 1990. 6, 6 p. *Bilingual (Politique sur les insinuations...)*. ISBN 0-7729-6381-9  
MICROLOG 90-06993 1 fiche

Racial slurs, jokes and harassment are a form of discrimination and tend to emphasize or define a relationship in which the parties are viewed as unequal simply on the basis of their race. They constitute an unacceptable form of behaviour which is contrary to Ontario's public policy. This document sets out the Commission's interpretation of the provisions of the Human Rights Code relating to racial slurs, jokes and harassment.  
ON PR SA

**Policy statement, wetlands : a proposed policy of the Government of Ontario issued for public review**

Ontario. Ministry of Natural Resources. Toronto : Ministry of Natural Resources, Ministry of Municipal Affairs, 1989. 6, 6 p. *Bilingual (Déclaration de principes, terre...)*. MICROLOG 90-03261 1 fiche

Proposed policy statement on wetlands, covering the legislation under which they would be

included; background to the statement and the need for it; the basis of the policy; the policy itself, including wetland's place in official policy, zoning bylaws and orders, criteria for justification of land use compatibility, and the construction of public facilities on or adjacent to wetlands; and implementation.  
EV ON PA PR SC

**Policy summary for specialized transit services**

Ontario. Transit Office. Toronto : The Office, 1989. 9 p. ISBN 0-7729-5708-8  
MICROLOG 90-02977 1 fiche

This subsidy program for transportation of physically disabled persons in Ontario was introduced in July 1979. The program is intended to financially assist those municipalities providing specialized transit service for individuals who are physically unable to climb or descend steps used on public transit facilities or walk a distance of 175 metres. The document provides a summary of Ministry initiatives, transit office responsibilities, subsidy terms, and general features such as operating responsibility, financial assistance, appropriate level of service, activities of the municipality, and sale and disposal of assets  
ON PR SA SC TR

**Political change north of 60 -- Rev.**

by G. Schmitz and J. Terry. Ottawa : Library of Parliament, Research Branch, 1989. 17 p. Bibliogr. (Current issue review ; 88-3E) ISBN 0-660-13402-0  
MICROLOG 90-03033 1 fiche

This document examines responsible government, future political development, provincial status, and the division of the N.W.T. Presents parliamentary action on this matter.  
CA CI NO NP PA

**Political demography of the emergence of Bangladesh**

by A.K.M.N. Nabi and P. Krishnan. Edmonton : University of Alberta. Dept. of Sociology, 1989. 31 p. Bibliogr. (Research discussion paper ; no. 67) *CSI 99241.208* ISSN 0317-2473  
MICROLOG 90-06455 1 fiche

This document discusses how regional differences in the ingredients of national integration along with the West Pakistani domination and neo-colonial exploitation led to the Bengali nationalist movements in East Pakistan culminating in the emergence of Bangladesh  
• CA EX

**The Political economy of Manitoba**

edited by James Silver and Jeremy Hull. Regina : University of Regina, Canadian Plains Research Center, 1990. xxiii, 340 p. : ill. Bibliogr. (Canadian plains studies ; 19) ISSN 0317-6290 ISBN 0-88977-059-X  
MICROLOG 90-04335 4 fiche (Available on fiche only)

A common theme that links the chapters in this document is the centrality of political struggle, and its relationship to the origins, development, and structure of the political economy. Many of the chapters analyze important aspects of the origin and historical development of those struggles. Others focus on more recent developments, particularly the gradual transformation of the social and economic structure of the province, within which a wider variety of struggles has emerged, including those relating to the restructuring of the family, the redefinition of the role of women, the recomposition of the working class, and the renewed vitality of the struggles of Natives.  
CO MS PA PR



**Political patronage : a newly troubled tradition**

by J. Stilborn. Ottawa : Library of Parliament, Research Branch, 1989. 38 p. Bibliogr. (Backgrounder ; BP-199E) French ed. (*Le Favoritisme politique...*) on the same fiche. ISBN 0-660-13304-0  
MICROLOG 90-01883 1 fiche

The purpose of the paper is to assist discussion of the subject by offering background information and analysis related to 4 central questions: What is patronage? How did patronage develop in Canada and what is its present status? What practices prevail in other countries and how do they compare with those in Canada? and, What are the major possibilities for reform and how should they be evaluated?  
CA CI PA

**La Politique céréalière canadienne et le GATT**

par S. Dakers. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 23 p. Bibliogr. (Etude générale ; BP-214F) L'éd. anglaise (*Domestic grain...*) sur la même fiche. ISBN 0-660-92868-X  
MICROLOG 90-05361 1 fiche

La plupart des politiques céréalières canadiennes ont été conçues au début des années 70 pour encourager la production en vue de répondre à des pénuries mondiales d'aliments. A l'heure actuelle, le gouvernement canadien doit réévaluer ses politiques intérieures d'aide aux producteurs de céréales en fonction de la situation mondiale et des mesures proposées pour la corriger dans le cadre du GATT. Ce document se penche sur cette question et examine de nombreux points qui y sont reliés.  
AG CA CO SC

**Politique de santé mentale**

Québec (Province). Ministère de la santé et des services sociaux. Québec : le Ministère, 1989. 62 p. ISBN 2-550-19379-2  
MICROLOG 90-01006 1 fiche

Cette politique a deux voies: la première met l'accent sur la nécessité de répondre le mieux possible aux besoins de la personne, elle a donc trait à la prestation et à l'organisation des services; la seconde fournit les premiers éléments d'une action globale qui vise l'amélioration de la santé mentale de la population. Le document dégage les problèmes prioritaires à partir d'un sommaire de l'état de santé mentale de la population, des difficultés que rencontrent les divers partenaires du système de services et des dysfonctionnements de ce système. Ensuite, il définit la perspective adoptée et présente les orientations pour finalement préciser comment et avec qui le ministère de la Santé et des Services sociaux entend s'associer pour mener son action.  
HE PR QU

**La Politique en matière de santé au Canada -- Rev.**

par J. Vance. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 19 p. Bibliogr. (Bulletin d'actualité ; 88-6F) ISBN 0-660-92924-4  
MICROLOG 90-05728 1 fiche

Tout ce qui se rapporte à l'état de santé des Canadiens relève à la fois des gouvernements fédéral et provinciaux. La politique en matière de santé comporte deux volets: d'une part, les soins actifs, axés sur la maladie et les soins préventifs et, d'autre part, la promotion de la santé. L'amélioration de l'état de santé des Canadiens observée dans le passé a surtout été attribuée à des mesures de la première catégorie. Certaines tendances démographiques permettent cependant de croire que des initiatives de la deuxième catégorie pourraient aider les Canadiens à améliorer encore leur

santé. Ce document se penche sur la question en examinant la politique de santé au Canada.  
CA HE

**Politique intérimaire du Service canadien des parcs sur la gestion des ressources culturelles**

Service canadien des parcs. Ottawa : le Service, 1990. iv, 23 p. Bilingue (*Canadian Parks Service...*).  
MICROLOG 90-06746 1 fiche

Le Service canadien des parcs (SCP) est l'un des principaux organismes chargés de la gestion des ressources culturelles au Canada. Il est responsable de la vaste gamme de ressources qui font partie de ses collections ou qui sont associées aux parcs nationaux (parcs marins nationaux inclus), aux lieux historiques nationaux, aux canaux historiques, et aux autres propriétés qu'il administre. Il se penche particulièrement sur les principes de gestion des ressources culturelles, les activités de gestion de ces ressources et les généralités.  
• CA CU PA

**La Politique muséale du Canada : les ateliers de l'esprit humain**

Canada. Communications Canada. Ottawa : le Ministère, 1990. 62, 60 p. : ill. Bilingue (*Canadian museum policy...*). ISBN 0-662-57583-0  
MICROLOG 90-06141 2 fiche

Longtemps, le musée s'est développé autour de galeries de portraits ou de souvenirs précieux issus du passé de la noblesse et des églises. Longtemps encore, c'est en cercle fermé qu'on jouissait du privilège d'admirer les œuvres d'art ou de toucher les vestiges des grandes civilisations qu'on exposait à l'abri du regard du peuple. Ce document se penche sur cette question et met l'accent sur les points suivants: les ateliers; le patrimoine du Canada; les œuvres de l'esprit humain, le paysage muséale, les musées d'état et les musées affiliés; la politique muséale en application; le réseau canadien d'information sur le patrimoine; le programme des biens culturels mobiliers; le programme d'appui aux musées; la recherche sur la situation muséale; et, les ressources budgétaires.  
CA CU

**La Politique scientifique canadienne : développements et tendances**

par R. Fawcett. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 25 p. Bibliogr. (Etude générale ; BP-222F) L'éd. anglaise (*Canadian science...*) sur la même fiche. ISBN 0-660-92876-0  
MICROLOG 90-05371 1 fiche

La politique scientifique du Canada suscite la controverse depuis des années et rien ne laisse présager l'accalmie. Pour permettre de saisir pleinement les problèmes que pose la formulation d'une politique scientifique canadienne, le document trace l'histoire des sciences au pays et expose les questions qui se trouvent au cœur des débats depuis trente ans ainsi que les points dont on discute en ce moment.  
CA PA SC

**Politique sur les insinuations, le harcèlement et les plaisanteries d'ordre racial**

Commission ontarienne des droits de la personne. Toronto : la Commission, 1990. 6, 6 p. Bilingue (*Policy statement on racial...*). ISBN 0-7729-6381-9  
MICROLOG 90-06993 1 fiche

Les insinuations, le harcèlement et les plaisanteries d'ordre racial représentent une forme de discrimination qui met l'accent sur le fait que les deux parties d'une relation sont considérées comme inégales simplement parce

qu'elles n'appartiennent pas à la même race. Ce document se penche sur la question et explicite les différentes lois et politiques ayant trait à ces formes de discrimination raciale.  
ON PR SA

**Politiques d'immigration et d'accueil des réfugiés : bibliographie sélective et annotée**

par N. Dufresne. Québec : Bibliothèque de l'Assemblée nationale, Division de la référence parlementaire, 1989. 39 p. (Bibliographie ; no 27)  
MICROLOG 90-02325 1 fiche

Ce document présente une bibliographie des ouvrages sur les politiques d'immigration et d'accueil des réfugiés en ce qui a trait aux pays suivants: Australie, Belgique, Canada, États-Unis, France, Grande-Bretagne, Québec, République Fédérale d'Allemagne et Suisse.  
EX PR QU

**Les Politiques institutionnelles d'évaluation des apprentissages dans les établissements privés sous permis**

avis au Ministre de l'enseignement supérieur et de la science. Québec : Conseil des collèges, 1989. 36 p. Bibliogr. ISBN 2-550-19644-9  
MICROLOG 90-01996 1 fiche

La première partie de cet avis présente brièvement les principales caractéristiques des établissements d'enseignement collégial privés sous permis. La deuxième partie fait état du constat établi par la Commission de l'évaluation à la suite de l'examen des politiques et des projets de politique élaborés par ces établissements. La troisième partie explique les raisons qui justifient l'obligation, pour chacun des établissements sous permis, d'élaborer et d'appliquer une politique institutionnelle d'évaluation des apprentissages reconnue comme satisfaisante par la Commission de l'évaluation. Enfin, le Conseil des collèges formule des recommandations à l'intention du ministre.  
ED PR QU

**Pollination techniques, I : pollen collection**

by P.L. Copis. Chalk River, Ont. : Forestry Canada, Petawawa National Forestry Institute, 1990. 4 p. : ill. Bibliogr. (PNFI technical reports ; 4) ISSN 1180-2618 ISBN 0-662-17944-7  
MICROLOG 90-06804 1 fiche

In most tree improvement programs, the production of progeny with known pedigree through controlled pollination is an essential component, especially after the first generation. This is the first of 3 technical notes describing the procedures used in the production of control-pollinated seedlots. Pollen collection techniques are given, along with information on the timing of dehiscence (pollen release) for different species, based on data gathered over the past 40 years.  
• CA FO SC

**Pollination techniques, II : pollen extraction and storage**

by P.L. Copis. Chalk River, Ont. : Forestry Canada, Petawawa National Forestry Institute, 1990. 4 p. : ill. (PNFI technical reports ; 5) ISSN 1180-2618 ISBN 0-662-17945-5  
MICROLOG 90-06941 1 fiche

This is the second of 3 technical notes describing procedures used in the production of control-pollinated seedlots. This note addresses pollen handling, particularly the low-cost techniques used to extract and store pollen. It also comments on pollen germination testing.  
• CA FO SC



**A Population analysis of rock grenadier based on the genetic polymorphism of nonspecific esterases and myogenes**

by B.M. Logvinenko...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5406) Originally published in Russian, by Legkaya i pishchevaya promyshlennost', at Moscow, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-01538 1 fiche

The rock grenadier is a commercially important deep-sea species that occurs widely in the Northern Atlantic. In order to exploit the rock grenadier efficiently, it is necessary to have some concept of its intraspecific structure. The best results can be obtained by using biochemical genetics, in particular the electrophoretic analysis of enzymes and nonenzyme proteins. This paper examines the results of comparing rock grenadier samples from various portions of its geographic range on the basis of their polymorphic systems of myogenic nonspecific esterases and water-soluble proteins.

• CA CF FI LS SC

**Population and employment projections, 1991-2021**

Toronto : Metropolitan Toronto Planning Dept., Research Division, 1988. 7 p. : ill. (Metro facts ; 10) CSI 89181.220.  
MICROLOG 90-06172 1 fiche

This report represents revised demographic projections for Metropolitan Toronto and the surrounding regions based on analysis of the 1986 Census and other Statistics Canada and provincial data. It also examines some revised overall employment projections based on recent employment trends from surveys in the region. LA MU ON SA

**Population biology of sealworm *Pseudoterranova decipiens* in relation to its intermediate and seal hosts**

edited by W.D. Bowen. Ottawa : Dept. of Fisheries and Oceans, 1990. viii, 306 p. : ill., maps. Bibliogr. (Canadian bulletin of fisheries and aquatic sciences ; no. 222) ISSN 0706-6503 ISBN 0-660-13357-1  
MICROLOG 90-06726 4 fiche

The sealworm parasite is found in the flesh of many fish species in the North Atlantic. Reduction in product value and the removal of this parasite costs the Canadian fishing industry alone millions of dollars annually. This report summarizes current information on the population biology of the sealworm and its intermediate and definite seal hosts to better understand the complex interactions which determine its abundance in the marine environment.

• AP CA CF FI LS SC

**Population characteristics of grizzly and black bears in west central Alberta**

by J.A. Nagy...et al. Edmonton : Alberta Environmental Centre, 1989. iv, 33 p. Bibliogr. MICROLOG 90-02881 1 fiche

The boreal forest in west central Alberta supports one of the few remaining populations of grizzly bears outside of mountain habitats in the province. In 1980, 7,720 sq km of this area were leased to British Columbia Forest Products for long-term commercial rotational cutting and reforestation, raising concerns about the future welfare of the population, as well as that of other sensitive wildlife. This study investigated the population ecology of grizzly bear in the boreal upland ecoregion in the Berland and Little Smoky rivers area in west central Alberta to determine its size, density, productivity and stability. Because grizzly bears

occur sympatrically with black bears in the Berland area, data was also obtained on the population characteristics of black bears. Trapping was conducted in prime spring grizzly bear habitat. Eighteen male and 20 female grizzly and 16 male and 16 female black bears were captured.  
AL EV LS PR SC

**Population de sauvagine hivernant dans l'estuaire du Saint-Laurent : écologie, distribution et abondance**

par J.-P.L. Savard. Sainte-Foy, Québec : Service canadien de la faune, Région de Québec, 1990. xi, 163 p. : ill., cartes géogr. Bibliogr. (Série de rapports techniques ; no 89) ISSN 0831-6481 ISBN 0-662-95838-1  
MICROLOG 90-06299 2 fiche

L'estuaire du fleuve Saint-Laurent est un milieu très productif. Des milliers d'oiseaux répartis en plusieurs colonies s'y reproduisent chaque année et c'est un site d'arrêt migratoire important pour les canards au printemps et à l'automne. L'estuaire est aussi le principal endroit d'hivernage au Québec pour plusieurs espèces d'oiseaux aquatiques. Les objectifs de cette étude sont de : déterminer la distribution et l'abondance des canards hivernant dans l'estuaire du Saint-Laurent; déterminer la stabilité temporelle et spatiale des concentrations d'oiseaux observées et identifier les endroits et les habitats les plus fréquentés au cours de l'hiver; fournir des données préliminaires sur le niveau de contamination chimique des oiseaux aquatiques de l'estuaire dans la région; et, déterminer les principales nourritures et les réserves énergétiques des canards noirs hivernant dans l'estuaire.

• CA EV LS QU SC

**Population dynamics of *Strongylocentrotus intermedius* in Akkeshi Bay**

by J. Taki. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 21 p. (Canadian translation of fisheries and aquatic sciences ; no. 5229) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-02680 1 fiche

Study using the annual rings on the shell plate of urchins *Strongylocentrotus intermedius* in Akkeshi Bay, Japan to investigate ages and to analyze the stock. Results are compared with those obtained through traditional methods of evaluating the sizes of the same stocks.

• CA CF FI LS SC

**Population of Manitoba by health region, vol. 1 : population 0-4, June 1, 1986-89**

Winnipeg : Manitoba Health Services Commission, Health Information Systems Division, Management Information Section, 1989. ii, 19 p. CSI 42119.007.  
MICROLOG 90-05290 1 fiche

The population data shown in this report are for Manitoba Health regions for 1986-89 and are based on Manitoba Health Services Commission records. Data for the regions include population of cities, towns, villages, rural municipalities, local government districts, Indian reserves and unorganized territories.  
MS PR SA ST

**Population of Manitoba by health region, vol. 2 : population 65 and over, June 1, 1986-89**

Winnipeg : Manitoba Health Services Commission, Health Information Systems Division, Management Information Section, 1989. ii, 19 p. CSI 42119.008.  
MICROLOG 90-05292 1 fiche

The population data shown in this report are for Manitoba Health regions for 1986-89 and are based on Manitoba Health Services

Commission records. Data for the regions include population of cities, towns, villages, rural municipalities, local government districts, Indian reserves, and unorganized territories.  
MS PR SA ST

**Population of Manitoba by health region, vol. 3 : geographic distributions, 1985-89**

Winnipeg : Manitoba Health Services Commission, Health Information Systems Division, Management Information Section, 1989. ii, 21 p. CSI 42119.012.  
MICROLOG 90-05291 1 fiche

The population data shown in this report are for Manitoba Health regions for 1985-89 and are based on Manitoba Health Services Commission records. Data for the regions include population of cities, towns, villages, rural municipalities, local government districts, Indian reserves and unorganized territories.  
MS PR SA ST

**Population of Manitoba by health region, vol. 4 : geographic distributions by five year age group, June 1, 1989**

Winnipeg : Manitoba Health Services Commission, Health Information Systems Division, Management Information Section, 1989. ii, 30 p. CSI 42119.011.  
MICROLOG 90-05289 1 fiche

The population data shown in this report are for Manitoba Health regions for 1989 and are based on Manitoba Health Services Commission records. Data for the regions include population of cities, towns, villages, rural municipalities, local government districts, Indian reserves and unorganized territories.  
MS PR SA ST

**Population of Manitoba by health region, vol. 5 : regional summaries by age and sex, June 1, 1989**

Winnipeg : Manitoba Health Services Commission, Health Information Systems Division, Management Information Section, 1989. i, 29 p. CSI 42119.005.  
MICROLOG 90-05257 1 fiche

Includes a map showing the Manitoba Health Regional Boundaries, and provides information on the total Manitoba population, the regional total population, the total non-Indian population, the regional non-Indian population, the total Indian population, and the regional Indian population.  
MS PR SA ST

**Population of Winnipeg by postal code, age and sex, June 1, 1989**

Winnipeg : Manitoba Health Services Commission, Health Information Systems Division, Management Information Section, 1989. 5 p. map. CSI 42119.004.  
MICROLOG 90-05258 1 fiche

Data summary of Winnipeg's population with analysis by sex, age and postal code municipality groupings as at June 1, 1989.  
MS MU PR SA ST

**Population projections of registered Indians, 1986-2011**

by S. Loh. Ottawa : Indian and Northern Affairs Canada, 1990. 207 p. : ill. Bibliogr. French ed. (Projections de la population...) : 90-04380/3. CSI 21113.205. ISBN 0-662-17540-9  
MICROLOG 90-04371 3 fiche

This report begins with a brief assessment of data quality. It then describes the projection algorithm, and the input data; the components of population change and the projection assumptions; and the selected scenarios. It presents an analysis of projection results; the limitations of projections; and a brief description



of the unpublished projections. It also provides detailed tables of the projections. The first table presents the base population, as of December 31st, 1986. The second set of tables gives the projected Indian population for Canada according to three growth scenarios, and the final set of tables shows the population of the regions, according to the medium-growth scenario.  
CA NP SA ST

### Port information systems around the world

by S. Malhotra. Ottawa : Dept. of Communications, Communications Development and Planning Branch, Port Information Systems, 1990. v. 56, vi, 60 p. : ill. *Bilingual* (Les Systèmes d'information...). On cover: EDI : electronic data interchange. ISBN 0-662-57193-2  
MICROLOG 90-06956 2 fiche

Electronic data interchange (EDI) is the electronic alternative to the mass of paper required in international trade and transport. This report highlights the work being done in introducing EDI at various seaports and airports in the U.S., Europe, Canada, and Australia.  
• CA SC TR

### Portrait de dix sociétés acheteuses du Québec

par A. Poulin. Ottawa : Société canadienne d'hypothèques et de logement, 1988. 36 p.  
MICROLOG 90-01278 1 fiche

Dans ce cahier sont rassemblés les rapports d'entrevues conduites auprès de dix sociétés acheteuses du Québec réparties dans quatre régions du Québec (Québec, Trois-Rivières, Estrie et Montréal). Les entrevues ont porté sur: l'origine et l'historique de la société, les objets de l'organisme, la clientèle desservie, les politiques d'acquisition et de revente, la gestion des immeubles, le financement, les ressources humaines, les problèmes rencontrés par la société acheteuse ainsi que le point de vue du répondant sur le rôle de ce type d'organisation dans le développement du secteur coopératif d'habitation.  
CA CO QU SA

### Le Portrait de l'industrie de la télématique

par Y. Guérin et A. Martin. Québec : Gouvernement du Québec, Ministère des communications, Direction générale des technologies de l'information, 1989. 22 p. *En tête du titre: Etude.* ISBN 2-550-20128-0  
MICROLOG 90-01122 1 fiche

Le document propose une définition de l'industrie de la télématique et des principaux concepts qui y sont associés: types de services, d'applications et d'intervenants. Il dresse également un portrait de l'industrie de la télématique en France, aux Etats-Unis et au Canada.  
PR QU SC TE

### Portrait de la fiscalité des corporations au Québec : statistiques, 1983-85

Québec : Gouvernement du Québec, Ministère du revenu, 1989. xiv, 352 p. : ill. *CSI 66127 002.* ISSN 0382-258X ISBN 2-551-08506-3  
MICROLOG 90-03604 4 fiche

Cette publication fournit des données sur la fiscalité des corporations au Québec. On y présente le sommaire des modifications apportées à la loi sur les impôts ainsi qu'à certaines autres lois qui ont une incidence sur la production des déclarations de revenus des corporations pour la période visée par ce document; un aperçu de la fiscalité des corporations du Québec sur le plan statistique en faisant ressortir les principaux traits du profil des entreprises ayant produit une

déclaration de revenus durant cette période; des données fiscales réparties par tranche de revenus, par tranche d'actifs, par région administrative, etc.; les définitions et les descriptions des données présentées dans les tableaux statistiques; et, la méthodologie d'échantillonnage et les formulaires de déclaration de revenus des années 1983, 1984 et 1985.  
CO PR QU ST

### Portrait financier de l'industrie du bois de sciage de 1980 à 1985 : analyse

par D. Paré. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Direction du développement industriel, Division des études industrielles, 1989. xvii, 68 p. : ill. Bibliogr.  
MICROLOG 90-02756 1 fiche

Le ministère de l'Énergie et des Ressources a réalisé cette étude dans le but de tracer un portrait financier de l'ensemble de l'industrie du bois de sciage, tant au Québec qu'ailleurs en Amérique du Nord. L'analyse repose sur des données financières et économiques qui fournissent des repères pour évaluer et comparer la rentabilité de l'industrie québécoise du bois de sciage. L'étude identifie les facteurs qui en ont déterminé l'évolution de 1980-85. On y quantifie l'impact d'une variation du coût des principaux intrants ou d'une augmentation du prix des copeaux sur le taux de rentabilité. Enfin, l'analyse évalue la rentabilité selon la région au Québec, selon la taille des entreprises et selon le type de produit fabriqué dans l'entreprise.  
FO PR QU SC

### Ports Canada : Annual report 1989

Ottawa : The Corporation, 1990. 64 p. : ill. *CSI 22272.001.*  
MICROLOG 90-05827 1 fiche

Ports Canada handles nearly half of the overall Canadian port traffic and almost all container traffic and, therefore, acts as an effective means for the implementation of national ports policy. The annual report reviews activities at each port reflecting the decentralized nature of the port operations. Contains a five-year financial and traffic review.  
CA SC ST TR

### A Ports policy for British Columbia

British Columbia. Ministry of Transportation and Highways. Victoria : The Ministry, 1990. 13 p. ISBN 0-7726-7228-8  
MICROLOG 90-07177 1 fiche

The federal government has jurisdiction over most ports, harbours, terminal facilities, and wharves in B.C. The provincial government had no formal involvement in port management and development even though west coast ports are vital to the economic and social fabric of B.C. In 1988, a series of reports were issued, two from the provincial level and the third from the federal government which would devolve the management of wharves and facilities to interested municipalities and other local groups. This document describes the course of these three initiatives, with particular emphasis on the provincial ports policy and its recommendations for community port authorities and for organized ports.  
BC PR SC TR

### La Position du CCNTA sur l'aide informelle : soutien et mise en valeur

Ottawa : Conseil consultatif national sur le troisième âge, 1990. 25, 24 p. (Vieillir et le CCNTA ; no 9) *Bilingue* (The NACA...informal caregiving...). ISBN 0-662-57745-0  
MICROLOG 90-07214 1 fiche

Le Conseil consultatif national sur le troisième âge (CCNTA) a été créé par décret le 1er mai 1980, afin d'assister le ministre de la Santé nationale et du Bien-être social et de le conseiller sur les questions du vieillissement de

la population canadienne et de la qualité de vie des personnes âgées. Le Conseil étudie les besoins et les problèmes des aînés, recommande des mesures correctives, assure la liaison avec les autres groupes intéressés au vieillissement, favorise les discussions avec le public, publie et diffuse de l'information sur le vieillissement. Ce document se penche sur soutien et la mise en valeur de la position du CCNTA sur l'aide informelle.  
CA SA

### La Position du CCNTA sur la taxe sur les produits et services

Ottawa : Conseil consultatif national sur le troisième âge, 1990. 12, 12 p. (Vieillir et le CCNTA ; no 7) *Bilingue* (The NACA position...). ISBN 0-662-57268-8  
MICROLOG 90-03851 1 fiche

Le CCNTA étudie les besoins et les problèmes des aînés, recommande des mesures correctives, assure la liaison avec les autres groupes intéressés au vieillissement, favorise les discussions avec le grand public, et publie et diffuse de l'information sur le vieillissement. Pour mener à bien ces activités, le CCNTA travaille en étroite collaboration avec le ministre d'État pour le Troisième Âge. Ce document porte sur la position du CCNTA sur la taxe sur les produits et services.  
CA CO SA

### La Position du CCNTA sur les services communautaires dans les soins aux aînés

Ottawa : Conseil consultatif national sur le troisième âge, 1990. 19, 19 p. Bibliogr. (Vieillir et le CCNTA ; no 8) *Bilingue* (The NACA position...). ISBN 0-662-57440-0  
MICROLOG 90-06660 1 fiche

Le Conseil consultatif national sur le troisième âge (CCNTA) a été créé par décret le 1er mai 1980, afin d'aider le ministre de la Santé nationale et du Bien-être social et de le conseiller sur les questions du vieillissement de la population canadienne et de la qualité de vie des personnes âgées. Ce document étudie les besoins et les problèmes des aînés, recommande des mesures correctives, examine la situation des autres groupes intéressés au vieillissement, résume les discussions avec la public, et donne de l'information sur le vieillissement.  
CA HE SA

### Position paper on abortion

British Columbia. Special Advisory Committee on Ethical Issues in Health Care. Victoria : The Committee, 1988. 5 p.  
MICROLOG 90-07174 1 fiche

This report reflects the deliberations of the Special Panel on the issue of abortion and presents a number of recommendations which will assist the Government in its consideration of abortion as an important social policy issue.  
BC CI HE PR

### Position paper on child care in the N.W.T.

Northwest Territories. Advisory Council on the Status of Women. Yellowknife : The Council, 1988. 15 p.  
MICROLOG 90-02653 1 fiche

Covers the role of the Government of the N.W.T. on this matter; policy issues; a time-frame for implementing a N.W.T. child care program; key elements of a N.W.T. child care program; and the cost of a child care program in the first year.  
NO NP PR SA

### The Possibilities for greater production and a small loading

by K. Korhonen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 4 p. (Canadian



translation of fisheries and aquatic sciences ;  
no. 5283) Originally published in Finnish.  
ISSN 0704-3716  
MICROLOG 90-02132 1 fiche

Paper examining how the new and different feed and fish farming technology would affect the environmental impact of a fish farm in connection with determining licensing conditions of fish farms. Conditions discussed include the quantity of phosphorus, culturing technology, and the size of facilities.

• CA CF FI SC

### The Possibility of obtaining reproductive products and larvae of bivalve mollusks by hormonal stimulation within a specified period

by S.M. Nikitina...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 11 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5423) Originally published in Russian, at Moscow, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-01523 1 fiche

Knowledge of the endocrine regulation of seasonal biological phenomena such as reproduction in invertebrates is important to the development of the biotechnology of breeding commercially promising species. Some steroid and peptide hormones affect the reproduction of vertebrates and in some cases invertebrates, possibly intensifying the metabolic processes in cultivated animals and realizing their reproductive potentials to a fuller extent. This investigation studied the stimulating effect of various hormonal preparations on the spawning of the Black Sea mussel. Experiments were carried out from June-October 1984 and included both the one-time effect of hormonal preparations and their combinations on 26 groups of animals taken from a natural habitat at different stages of the sexual cycle; and injections with the same hormonal preparations 2 and 3 times (groups 2 and 3) at time intervals from 2-6 weeks. The stimulating effect of each hormone was judged by the number of spawning individuals and the quantity of spawned reproductive products.

• CA CF FI LS SC

### The Possibility of using the Arctic char for commercial farming in the Barents Sea

by A.G. Chernitskii, G.G. Matishov and V.V. Ermolaev. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 49 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5358) Originally published in Russian, by the Kola Branch of the U.S.S.R. Academy of Sciences, at Apatity, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-01490 1 fiche

Survey of published data and findings accumulated at the Murmansk Marine Biology Institute on the biology of the arctic char and the biotechnology of its breeding. Gaps in knowledge are identified and directions are offered for the studies needed for the mastery of the migratory arctic char in polar sea farming.

• CA CF FI SC

### Possible effects of intensive harvesting on continuous productivity of forest lands

by S.M. Malondo. Fredericton : Canadian Forestry Service - Maritimes, 1988. iii, 26 p. Bibliogr. (Information report ; M-X-171) French ed. (Effets possibles de la récolte...) on the same fiche. ISSN 0834-066X ISBN 0-662-16415-6  
MICROLOG 90-04044 1 fiche

Intensive (whole-tree) harvesting of natural forest stands is widespread in the Maritime provinces. In some cases, the goal of whole-

tree harvesting is to increase usable biomass, but often foliage and branch components are discarded at the landing site. This report examines the possible effects of whole-tree harvesting on long-term site productivity, and particularly on soil fertility. The report evaluates published data collected from different parts of the world concerning potential decline in soil fertility resulting from the loss of organic matter and base cations caused by different harvesting methods. Biomass and the amount of base cations that would be removed both by conventional and whole-tree harvesting are calculated. Published data from different stands in New Brunswick and Nova Scotia were used to examine the effect of species and site quality on base cation losses and the potential increase in soil acidification which would result from whole-tree harvesting. The consequences of high base cation losses, especially from the infertile acid soils of the region on long-term infertile acid soils of the region on long-term site productivity are discussed.

• AP CA FO SC

### Possible trends in algae adaptation to environmental temperature regime : results of computer experiments

by V.G. Il'chev. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 20 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5393) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-01547 1 fiche

It is expected that the most rapid and pronounced transformation in the structure and functional conditions of biocoenoses due to global warming will occur at the lower trophic levels of ecological systems, such as algae and microorganisms. An important biological characteristic of algal development is the temperature tolerance range. This paper presents the results of a theoretical investigation that refines the thesis of a relationship between critical points of the temperature curve and optimal temperatures for dominant algae species.

• CA CF EV FI PS SC

### Post pillar recovery strategies at Nanisivik Mine, Nanisivik, Northwest Territories, phase 1 : ground control instrumentation and stress determinations

by B. Arjang and G. Herget. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. iv, 41 p. : ill., maps. Bibliogr. (Report ; MRL 89-147(TR))  
MICROLOG 90-05992 1 fiche

The Nanisivik Mine is located at the northern tip of Baffin Island and produces zinc and some lead from a near surface underground mine in permafrost. The potential exists to boost ore recovery from the present 80% by pillar recovery. This report presents the results of a rock mechanics investigation to achieve pillar recovery without serious deterioration occurring in roof and wall strata. The program involved field investigations, laboratory testing, and analysis of excavation stability and monitoring. Field investigations included stress determinations, in situ rock deformation modulus measurements, video inspection of roof competence, installation of strain monitoring and ground movement monitoring systems and core samples for laboratory testing at selected test sites. Pillar recovery is planned to start after the instrumentation for ground control monitoring is completed and a numerical model of excavation stability has been developed.

• CA CM NO NR PS SC

### Post-Secondary Education : preparation for the world of work : proceedings of a Canada/UK Colloquium

edited by Ron Watts and Jeff Greenberg. Halifax : Institute for Research on Public Policy ; Alershot, Hants, England : Dartmouth Publishing Company Limited, 1990. xv, 216 p. : ill. Bibliogr. ISBN 0-88645-091-8  
MICROLOG 90-05205 3 fiche

This document contains the colloquium papers which address the following topics: the challenge of change, coordination versus decentralisation, governance and accountability, open and distance education, and private sector participation. It also contains the Lloyds Bank Lecture on education for life and work in the 1990s.

• CA ED

### Post-secondary education statistics, Alberta, 1980-81 to 1989-90

Edmonton : Alberta Advanced Education, 1990. 4 p. CSI 34100.200.  
MICROLOG 90-04452 1 fiche

These statistics show actual enrolment in 1980-81, and 1985-86, and estimated enrolment for 1988-89 and 1989-90. It also presents statistics on graduates, expenditure, financial assistance to students, and the Alberta population.

AL ED PR ST

### Les Postes de police sociopréventive à Victoria : une entreprise innovatrice

par C.R. Walker et S.G. Walker. Ottawa : Collège canadien de police, 1989. iii, 88 p. Bibliogr. L'éd. anglaise (The Victoria community police...) : 90-01229/1. ISBN 0-662-95316-9  
MICROLOG 90-00219 2 fiche

Les postes de police sociopréventive à Victoria ont été créés en partant du principe qu'il est correct et sensé de consulter la collectivité sur la nature et la forme des services de police qui lui conviennent. Ce document fournit un exemple du plan d'action ainsi que son exécution.

• BC CA JU

### Potash Corporation of Saskatchewan : Annual report 1989

Regina : The Corporation, 1990. 16 p. CSI 72104.001  
MICROLOG 90-04695 1 fiche

Annual report of the Corporation, presenting consolidated financial statements on their income and reinvested earnings and cash flow for the year ending December 31, 1989.

MS NR PR SC

### La Potasse au Canada, 1980 à l'an 2000

par G.S. Barry. Ottawa : Énergie, mines et ressources Canada, 1989. xii, 123 p. : ill. MICROLOG 90-02831 2 fiche

Ce rapport décrit diverses possibilités de mise en valeur. Il aborde des sujets tels : la situation mondiale actuelle de la potasse, l'industrie canadienne de la potasse, les prévisions mondiales de la potasse, l'équilibre mondial entre l'offre et la demande de potasse, et les possibilités pour le Canada d'accroître la production pendant les années 90. Les annexes du rapport contiennent des tableaux historiques et des prévisions concernant la production, les prix, les tendances commerciales et des statistiques sur la consommation qui ne sont pas facilement accessibles dans d'autres publications. Le rapport donne également des détails sur Canpotex Limited et sur diverses sources d'information et services offerts par les gouvernements provinciaux.

• CA MS NR SC



**Potato market review, 1988-89**

Ottawa : Agriculture Canada, Agriculture Development Branch, Crop Development Division, Horticulture Section, 1990. 62 p. *Bilingual (Revue du marché des pommes...)*. CSI 21100.023. ISSN 0833-1324 MICROLOG 90-05402 1 fiche

Document presents statistical overview of potato production, yield, crop receipts and acreage for the 1988-89 crop year. Surveys acreage and production of seed potato, eastern and western markets' unloads, storage, exports, certified seed exports, imports, with additional data on processed imports and exports for the period 1986-1989. AG CA ST

**Potential crushed stone deposits on tidewater in Nova Scotia**

by G. Dickie. Halifax : Dept. of Mines and Energy, 1987. 15 p. : maps. (Open file report ; 87-027) MICROLOG 90-02326 1 fiche

This report describes 5 locations where deposits of aggregate quality rock suitable for the export market occur. Site selection was based on rock types, topography, water depth, and property ownership. Reconnaissance sampling and mapping was carried out and samples of fresh material were obtained using portable drilling equipment. Each sample was crushed to minus 20 mm and splits were taken to conduct tests for Los Angeles abrasion loss, sodium sulphate soundness loss, the petrographic number, and polished stone value. AP NR PR PS SC

**The Potential effects of cultured shrimp production on the principal international markets and Canadian cold shrimp demand**

by C.J. Peckman. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1990. 74 p. : ill. (Economic and commercial analysis report ; no. 61) ISSN 0843-5626 ISBN 0-662-17890-4 MICROLOG 90-06435 1 fiche

Study to obtain a better understanding of the 3 principal markets and a better appreciation of current trends in consumption between cultured and cold water shrimp. The report covers world production, international trade and main products, the principal shrimp markets of U.S., Japan and Western Europe, and projections and market efforts internationally and for Canada.

• AP CA CF FI SC

**The Potential effects of tanker traffic on the bowhead whale in the Beaufort Sea**

by W.R. Koski, G.W. Miller and R.A. Davis. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1989. xvii, 150 p. : ill., maps. Bibliogr. (Environmental studies ; no. 58) ISBN 0-662-16734-1 MICROLOG 90-04552 2 fiche

Offshore exploration for oil and gas in waters deep enough to be used by endangered bowhead whales began in 1976 in the Canadian Beaufort Sea and in the 1980s in the Alaskan Beaufort Sea, with the largest find being about 50 km north of the Mackenzie Delta. Original plans called for production beginning in late summer 1988 with a shuttle tanker used to transport crude oil to a large oil tanker stationed off the northwest coast of Alaska. This raised concerns about the potential effects of the increased ship traffic on the bowheads that summer in, and migrate through, the Beaufort Sea. This report integrates the major studies undertaken since 1980 on the potential effects of industrial activity, reproductive biology, and censuses of population size. The report covers the distribution of calves, age

segregation, effects of age on behaviour, photo identification file and data base, micro-scale movements, site fidelity within a season and between-years, known effects of ship traffic, separation of cow-calf pairs, and interference with bowhead movements. CA EV NO SC TR

**The Potential for cogeneration in the commercial sector**

Proctor & Redfern Group. Toronto : Ministry of Energy, 1989. i, 125 p. : ill. MICROLOG 90-01350 2 fiche

The commercial sector is the third largest user of electricity in Ontario, using 21% of the total electricity demand in 1985. This report identifies, assesses the impact, and ranks the most attractive cogeneration opportunities in various commercial establishments where cogeneration would be a viable option given current market conditions and emerging technologies. Identifies the types of buildings considered and their energy requirements, selecting preferred building categories for further assessment of cogeneration potential; reviews current and emerging system technologies; identifies the various factors affecting economic viability, including an economic and sensitivity analysis of the systems; and summarizes building owner and operator requirements and identifies barriers to cogeneration systems implementation. EN ON PR SC

**Potential impact of snow cover of Cape Churchill Wildlife Management Area on a proposed release of muskoxen, *Ovibos moschatus***

by D.W. Soprovich. Winnipeg : Manitoba Natural Resources, Wildlife, Biological Services, 1989. viii, 67 p. : ill. Bibliogr. (Technical report ; no. 89-05) MICROLOG 90-00432 1 fiche

Interest in the reintroduction of muskoxen into Manitoba led to the identification of a suitable site southeast of Churchill and within the Cape Churchill Wildlife Management Area. However, this area is outside the known range, which led to concerns about heavy snow and ice cover and lack of food. A cover map of the Cape Churchill area was prepared using Landsat satellite data and plant frequencies data were collected within several habitat types. This study examined snow conditions within the beach ridge and adjacent fen plant communities of the study area and assessed the potential impact of this important component of the environment upon the proposed release of the muskoxen. EV MS PR SC

**Potential issues associated with shipping oil and gas through the Labrador Sea and Strait of Belle Isle**

S.I. : Environmental Advisory Committee on Newfoundland and Labrador Marine Transportation, 1989. 95 p. : ill. MICROLOG 90-03090 1 fiche

The Committee was established in October 1984, reporting to the Canadian Coast Guard-Newfoundland Region, to provide a forum for consultation among the government, native groups, industry and others on environmental and resource use activities relating to the management of shipping routes and ship movements within the waters surrounding Newfoundland and Labrador; to review marine shipping proposals and to determine potential implications for the environment and for natural resource users; to recommend preventative measures and guidelines for shipping routes and ship movement; and to identify environmental information gaps. This information report was prepared for distribution to the residents of the Labrador Coast and Strait of Belle Isle and covers management of shipping, tanker movement, tanker specifications and safety concerns, the causes and effects of

tanker damage, reporting oil spills, contingency planning, environmental protection legislation, the effects of existing tanker traffic, marine services, compensation, and business and related opportunities. AP CA EN EV SC

**Poulet de chair : environnement socio-économique, génétique-reproduction, alimentation-santé, construction et équipement régie de l'élevage**

Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, Conseil des productions animales du Québec, 1989. 80 p. : ill. ISBN 2-551-12146-9 MICROLOG 90-02198 1 fiche

Des producteurs agricoles, des représentants des gouvernements provincial et fédéral, des universités et de l'industrie privée ont mis en commun leur savoir et leur expérience pour finaliser ce document. Le guide décrit les techniques modernes de production, alimentation, santé, construction et équipement, et régie de l'élevage. L'aspect unique de ce document est qu'il présente un résumé des connaissances littéraires actuelles adaptées au contexte québécois nord-américain. AG EV PR QU SC

**Poultry housing facilities**

by W. Winchell. Edmonton : Alberta Agriculture, Engineering and Rural Services Division, 1989. 33 p. : ill. MICROLOG 90-00195 1 fiche

Manual on housing facilities for poultry, including site selection, building construction, insulation, ventilation systems, and heating systems. Types of poultry covered include broilers, breeder flocks, laying flocks, and turkeys. AG AL PR SC

**Pour améliorer l'alimentation des jeunes enfants en Afrique orientale et australe : un technologie à la portée des ménages : compte rendu**

rédacteurs: D. Alnwick, S. Moses et O.G. Schmidt. Ottawa : Centre de recherches pour le développement international, 1987. xxi, 430 p. : ill. Bibliogr. (Actes ; 265f) ISBN 0-88936-518-0 MICROLOG 90-03846 5 fiche (Available on fiche only)

Cette publication fait le compte-rendu des discussions de l'atelier et présente ses conclusions et recommandations. Elle s'adresse aux scientifiques et aux planificateurs de la santé qui participent à des recherches en matière de nutrition et à l'élaboration de programmes visant à améliorer l'alimentation des nourrissons et des jeunes enfants dans les pays en développement. Elle se penche particulièrement sur les points suivants: comment améliorer l'alimentation de l'enfant; les pratiques de sevrage et procédés de changement; les produits fermentés dans l'alimentation de l'enfant, la contamination des aliments et fermentation lactique, les expériences de l'Afrique orientale et de l'Asie; et la liste des participants. CA EX HE

**Pour des services de santé et de bien-être adaptés aux familles québécoises**

Québec (Province). Conseil de la famille. Québec : le Conseil, 1989. 23 p. Bibliogr. (Avis ; no 1990.2) ISBN 2-550-20702-5 MICROLOG 90-04252 1 fiche

Au chapitre premier de ce document, on découvre les principaux éléments de la réforme; les réflexions et les commentaires rédigés reflètent la recherche de liens et de relations entre les besoins de familles et les nouvelles orientations proposées. Au deuxième chapitre, on rassemble les questions ayant des



incidences sur la famille. En conclusion, on fait état des démarches gouvernementales antérieures au sujet de la politique familiale.  
PR QU SA

**Pour la mise au point d'un outil d'aide à la décision dans le domaine de la planification des transports publics inter-cités**

par J.-C. Lasserre, J.-L. Routhier et C. Lardinois. Montréal : Université de Montréal, Centre de recherche sur les transports, 1990. 67 p. : ill. Bibliogr. (Publication ; no. 704)  
MICROLOG 90-06425 1 fiche

Ce rapport vise le problème de l'évaluation des services de transport public en contexte régional, et plus particulièrement dans le contexte de la Région Rhône-Alpes en France. Un outil d'évaluation est proposé qui permet de saisir graphiquement la configuration des horaires offerts, d'étudier facilement leur évolution dans le temps et d'établir des comparaisons entre différentes liaisons. Le rapport passe également en revue d'autres méthodes proposées par différents auteurs, d'une part dans la catégorie des modèles de prévision, et d'autre part dans la catégorie des modèles normatifs.  
PR QU SC TR

**Pour mieux comprendre et aider le traumatisme crânio-cérébral**

Québec : Gouvernement du Québec, Ministère de la santé et des services sociaux, 1989. 37 p. : ill. ISBN 2-550-19075-0  
MICROLOG 90-02513 1 fiche

Bien qu'il ne représente que deux pour cent du poids du corps humain, le cerveau est l'organe le plus complexe et le plus important chez l'être humain. Son fonctionnement est tout à fait particulier et difficile à comprendre, même pour des spécialistes. Même si le cerveau semble relativement bien protégé, il est en réalité très vulnérable. C'est vraiment lorsqu'il est atteint ou lésé qu'on se rend compte du rôle primordial qu'il joue dans la vie d'un être humain. Le contenu de ce document explique de façon générale le fonctionnement du cerveau et son rôle dans le comportement humain.  
HE LS PR QU SC

**Pour une gestion judicieuse des déchets industriels**

Toronto : Société ontarienne de gestion des déchets, 1989. 10, 10 p. : ill. *Bilingue* (Promoting a responsible approach...)  
MICROLOG 90-01897 1 fiche

La Société ontarienne de gestion des déchets (SOGD), organisme de la Couronne créé en 1981, a pour mandat de concevoir, d'élaborer et d'administrer un système de traitement et d'élimination des déchets liquides et des déchets industriels dangereux. Ce document se penche sur les différents types de gestion des déchets industriels.  
EV ON PR SC

**Pour une stratégie de la main-d'oeuvre : cadre relatif à la formation des femmes : examen de la situation**

présenté par les Ministres responsables de la condition féminine ; à l'occasion de la Conférence annuelle des premiers ministres. Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. v, 16, v, 16 p. *Bilingue* (Towards a labour force strategy...)  
MICROLOG 90-02061 1 fiche

Ce document a été préparé par les ministres responsables de la condition féminine, dans le but de respecter cet engagement. Il contient un examen des progrès accomplis dans l'application des mesures décrites dans le document 'Pour une stratégie de la main-

d'oeuvre; cadre relatif à la formation des femmes'. Le document résume l'expérience des treize gouvernements fédéral, provinciaux et territoriaux dans l'application des mesures, et les défis qu'il reste à relever en vue de l'égalité économique des femmes. Finalement, il montre qu'il est important que les gouvernements raffermissent leur engagement à améliorer la situation des jeunes filles et des femmes en matière d'éducation et de formation à tous les niveaux et à examiner toutes les options possibles pour promouvoir l'avancement des femmes au sein du marché du travail.  
• CA LA PA SA

**Pour une stratégie de la main-d'oeuvre : cadre relatif à la formation des femmes : rapports d'étape**

présenté par les Ministres responsables de la condition féminine ; à l'occasion de la Conférence annuelle des premiers ministres. Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. viii, 90, viii, 81 p. *Bilingue* (Towards a labour force...progress reports).  
MICROLOG 90-02073 2 fiche

La population active du Canada a subi des transformations profondes ces dernières années, et l'on prévoit que la tendance s'accroîtra au début des années 90. L'augmentation du nombre de femmes sur le marché du travail compte parmi les plus marquants de ces changements. Cinquante-six pour cent des femmes sont actives sur le marché du travail à l'heure actuelle, comparativement à 44 p. 100 en 1975. De plus, les femmes s'imposent dans une gamme plus vaste de métiers et de professions. Ce document constitue un compte rendu des progrès réalisés depuis novembre 1987.  
• CA LA SA

**Les Pourparlers de Genève : une nouvelle relation entre les superpuissances au sujet du nucléaire?**

par D. Cox. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1990. 8 p. (Exposé ; no 32) *L'éd. anglaise* (A Review of the Geneva...) : 90-07059/1. ISBN 0-662-961149-8  
MICROLOG 90-07060 1 fiche

Les Etats-Unis et l'Union soviétique mènent depuis le mois de mars 1985 à Genève des négociations bilatérales sur la limitation des armes nucléaires. Au départ, les deux pays ont convenu de mener leurs entretiens sur trois plans distincts: les discussions sur les forces nucléaires de portée intermédiaire (FNI), les pourparlers sur la réduction des armes stratégiques (START) et les négociations relatives aux armes défensives et spatiales, qualifiées par les Soviétiques de pourparlers sur les armes spatiales. Ce document passe en revue l'évolution des négociations sur les armes stratégiques et les systèmes de défense antimissiles qui se sont déroulées à Genève pendant la première année du gouvernement Bush.  
• CA EX

**Poverty in Canada -- Rev.**

by J. Vance. Ottawa : Library of Parliament, Research Branch, 1989. 12 p. Bibliogr. (Current issue review ; 88-14E) *French ed* (La Pauvreté au Canada) on the same fiche. ISBN 0-660-13319-9  
MICROLOG 90-01841 1 fiche

This paper provides a definition of poverty, and discusses the poverty rate, the composition of poverty, and current issues regarding poverty. It also addresses parliamentary action on this issue.  
CA CI JU SA

**Powdery mildew of grape**

by K.W. Ker, J. Northover and T. Leuty.

Toronto : Ministry of Agriculture and Food, 1990. 4 p. : ill. (Factsheet) (Pest management program for grape series) ISSN 0225-7882  
MICROLOG 90-05001 1 fiche

Powdery mildew of grapes is a serious disease caused by a fungal pathogen and infecting only species of grape and closely related plants. This pamphlet summarizes its biology, crop development stages and disease symptoms, cultivar susceptibility, and control.  
AG ON PR SC

**PPM mobile PCB destruction facility : Petro-Canada Refinery, Oakville, April, 1987 : survey report**

by Gary B. DeBrou ; for the Central Region, Ontario Ministry of the Environment. Toronto : Ministry of the Environment, Air Resources Branch, 1987. 18 p. : ill. ISBN 0-7729-3181-X  
MICROLOG 90-06974 1 fiche

On April 7, 8, 13 and 14, 1987, the mobile trace atmospheric gas analyser unit conducted an air monitoring survey at the Petro-Canada Refinery in Oakville, Ontario to provide on-site, real-time measurements of ambient PCBs during the testing of a mobile PCB destruction unit operated by PPM (Canada) Inc. During the 3 days of monitoring, a total of 240 2-minute air samples were screened for selected PCBs.  
EV ON PR SC

**Practical and theoretical aspects of sulphide dust explosions**

by R.J. Enright. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1988. iii, 144 p. : ill. Bibliogr. (Report ; MRL 88-141) *Contractor: University of Sydney. CANMET contract: 79046-01-SQ*  
MICROLOG 90-05655 2 fiche

Over the past 2 decades there has been a significant increase in the number and severity of sulphide dust explosions in the underground workings of massive sulphide deposits in Australia, Canada, Europe and South Africa. The mining industry has been somewhat complacent about these explosions since casualties are rare, but extensive damage occurred to plant and equipment. This document presents an overview and summary of the problem, describing coal, industrial dust and sulphide explosions, the factors which influence the explosibility of dust; a detailed description of sulphide dust explosions, methods of prevention and inhibition for both coal and sulphide dust; post-explosion evaluation; research conducted; and the determination of dust explosion parameters.  
• CA CM NR PS SC

**Prairie Agricultural Machinery Institute (Canada) : Annual report 1988-89**

Humboldt, Sask The Institute, 1989. 16 p. : ill. CSI 72188 001  
MICROLOG 90-03449 1 fiche

Annual report of the Institute, describing the year's activities, its operations and responsibilities, and the projects conducted. The Institute performs evaluations on agricultural machines offered for sale on the prairies to determine performance characteristics, workrates, power requirements, safety aspects, ease of operation and suitability for prairie agriculture. In addition to evaluations, the Institute conducts applied research and maintains business development and information services.  
• AG AL CA MS SC

**Prairie Federal-Provincial Nurserymen's Meeting : proceedings**

I.K. Edwards, compiler. Edmonton : Canadian Forestry Service, Northern Forestry Centre,



1989. vi, 89 p. : ill. Bibliogr. (Information report ; NOR-X-307) ISSN 0704-7673 ISBN 0-662-16779-1  
MICROLOG 90-03204 1 fiche

In 1987, the 13th federal-provincial nurserymen's meeting was held for prairie forest tree nursery personnel to facilitate technology transfer between researchers and operational staff, exchange ideas, and solve production problems to enhance the quality of nursery stock. Papers were presented on seedling culture, vegetation management, and cold storage, three of the most important activities in prairie nursery operations. Production summaries from various nurseries are presented and research activities that were visited at the PFRA Shelterbelt Centre in Indian Head are described.  
CA FO SC

#### Pre-budget consultation, 1990

Ontario. Legislative Assembly. Standing Committee on Finance and Economic Affairs. Toronto : The Committee, 1990. 72, 75 p. *Bilingual (Consultations prébudgétaires...)*. CSI 54152.001. ISSN 0835-4952  
MICROLOG 90-06078 2 fiche

This document discusses the pre-budget consultation process. It presents an economic outlook and addresses fiscal policy. It also covers relations between levels of government, and examines social issues, investing in the future and agriculture. It concludes with a list of recommendations.  
CO ON PA PR

#### Pre-development distribution patterns of cesium-137, uranium and companion elements in lichen heath near Baker Lake, N.W.T. : summary of findings, March 1987

by K.A. Kershaw...et al. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1989. iii, 42 p. : ill. Bibliogr. (Environmental studies ; no. 63) ISBN 0-662-17371-6  
MICROLOG 90-04553 1 fiche

The intent of the 1982-84 Arctic Land Use Research (ALUR) program was to establish the pre-development background levels of selected elements within the thalli of a number of Arctic lichen species. Lichens are successfully used in various parts of the world as environmental monitors around smelters, manufacturing plants, power generating stations, urban centres and uranium mines. In this study, specimens were collected from permanent plots established on transects emanating from the uranium deposit at Lone Gull Lake near Baker Lake, N.W.T. Field work was conducted in July and August of 1982 and analysis of the plant tissues was done by X-ray fluorescence spectrometry for Ti, Fe, Cu, Ni, Pb, S, Ca and K. Cesium was determined using gamma-ray spectrometry and alpha-particle spectrometry was also done.  
CA EV NO SC

#### Precambrian geology : Barbara, Meader and Pifher Townships

by D.U. Kresz and B. Zayachivsky. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xi, 91 p. ill., maps. Bibliogr. (Ontario Geological Survey report ; 270) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-6083-6  
MICROLOG 90-03762 2 fiche

Barbara, Meader, and Pifher townships lie on the eastern side of Lake Nipigon and cover an area of 240 sq km. Field work was carried out during the summer of 1986 and consisted of mapping the Precambrian bedrock and mineral deposits. A large number of rock samples were collected, of which 94 were submitted for assays, principally gold and silver, 95 for thin sectioning and 54 for whole rock

analysis. This report describes the geology, mineral deposits and exploration history of the area, as well as specific mines.  
NR ON PR PS SC

#### Precambrian geology : Cassels and Riddell townships

by P. Born. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. ix, 73 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 271) *Fold. map not filmed.* ISSN 0704-2582 ISBN 0-7729-6134-4  
MICROLOG 90-03580 1 fiche

Description of the geology, stratigraphy, structure and mineral occurrences of Cassels and Riddell townships. The map area covers 190 sq km in the District of Nipissing, approximately 5 km east of Temagami and 100 km north of North Bay. Field work was done during the summer of 1986. The report describes general and structural geology, metamorphism, and the correlation of aeromagnetic and gravity surveys with geological data. A history of mineral exploration, references for future exploration, and a list of existing properties and their locations are also included.  
NR ON PR PS SC

#### Precambrian geology : Laval and Hartman Townships

by B.R. Berger. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1990. viii, 74 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 272) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-6516-1  
MICROLOG 90-06445 1 fiche

These townships were mapped at 1:15,840 scale during the 1987 field season, using standard pace and compass traverses using black and white vertical aerial photographs for control. The map area lies within the English River drainage basin, which is part of the Arctic watershed. The report first gives a general geology of the area, describes the geochemistry and the structure and metamorphism. The economic geology is given through a description of the various mining properties in the region and the years in which they operated.  
NR ON PR SC

#### Precambrian geology : Little Marshall Lake area

by S.E. Amukun. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. ix, 70 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 267) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-5999-4  
MICROLOG 90-01855 1 fiche

Results of a detailed geologic survey of part of the northeastern Wabigoon subprovince. The area includes a volcanogenic massive sulphide occurrence at Marshall Lake. The report reinterprets earlier work: the area underlain by felsic metavolcanic rocks is significantly enlarged. A description of the economic potential includes descriptions of the various deposits and properties in the area.  
NR ON PR PS SC

#### Precambrian geology : Melgund Lake area

by B.R. Berger. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. viii, 68 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 268) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-6133-6  
MICROLOG 90-01857 1 fiche

The Melgund Lake area includes all of Avery, MacFie and McAree townships in the District of Kenora. The map area is underlain by a diverse assemblage of Archean supracrustal

lithologies intruded by Archean felsic granitoid stocks and batholiths. The area had not previously been subjected to detailed geological mapping and the project was undertaken to identify the economic potential of this portion of the Wabigoon subprovince. The economic geology potential of the area includes descriptions of the various properties by township.  
NR ON PR PS SC

#### Precambrian geology : Monument Bay area, Lake of the Woods

by M.G. Morrice. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. viii, 69 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 265) *Fold. maps not filmed.* ISSN 0704-2582 ISBN 0-7729-5663-4  
MICROLOG 90-01851 1 fiche

The Monument Bay area is about 150 sq km and is located about 50 km southwest of the town of Kenora. The area is part of the Lake of the Woods greenstone belt, an east-trending belt of metavolcanic-metasedimentary rocks which is located in the western part of the Wabigoon subprovince of the Superior province of the Canadian Shield. This report describes a detailed mapping project designed to encourage mineral exploration interest and to provide a basis for land use planning. There is no known mineral production from the area and only limited base metal exploration reported.  
NR ON PR PS SC

#### Precious metal enriched skarns in British Columbia : an overview and geological study

by A.D. Ettlinger and G.E. Ray. Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1989. 128 p. : ill. Bibliogr. (Paper ; 1989-3) ISSN 0226-9430 ISBN 0-7718-8868-6  
MICROLOG 90-01256 2 fiche

Despite the well-documented 60-year history of major gold production from the world-class Nickel Plate mine in B.C., precious metal enriched (PME) skarns have only recently been recognized as a distinct class of skarn deposit. This paper is the result of studies that involved geological mapping of some selected skarn camps, extensive literature research and various laboratory studies, including whole-rock and trace element analyses, petrographic examination of sulphide and calc-silicate assemblages, and electron microprobe analyses of various garnet and pyroxene mineral phases associated with the skarn alteration. The report gives relevant data on the proven and potential PME skarns in B.C. and outlines their various characteristics, including distribution, mineralogy, geochemistry, geological controls and classification.  
BC NR PR PS SC

#### Precipitation and runoff characteristics, Queen Charlotte Islands

by D.L. Hogan and J.W. Schwab. Victoria : Ministry of Forests and Lands, 1990. v, 46 p. : ill. Bibliogr. (Land management report ; no. 60) ISSN 0702-9861 ISBN 0-7718-8766-3  
MICROLOG 90-03818 1 fiche

Regional evaluation of precipitation and streamflow on the Queen Charlotte Islands. All available hydrometeorological data were consolidated from federal and provincial government agencies. The Queen Charlotte Islands were stratified into regions with homogeneous precipitation regimes and this regionalization was then used to develop relationships between monthly runoff and monthly precipitation. Frequency analyses for large magnitude rainstorms and runoff events



are presented and used to determine the relationship between storm runoff and storm precipitation. For design purposes, where no data exists for storm precipitation characteristics, a statistically significant relationship for estimating mean annual peak flows, based on watershed properties and mean annual precipitation, is presented. Standard hydrology analyses are used.  
BC FO PR SC

### **Précis sur les programmes de sécurité sociale, 1989**

Ottawa : Santé et bien-être social Canada, 1989. 99 p. L'éd. anglaise (*Basic facts on Social...*) sur la même fiche. CSI 2112.015. ISSN 0836-8570 ISBN 0-662-95981-7 MICROLOG 90-06175 2 fiche

Ce programme a été créé dans le but de verser une pension mensuelle de base à toute personne âgée de 65 ans et plus. Le document examine des points tels: la sécurité de la vieillesse, les régimes de pensions fédéral et provinciaux; les allocations familiales; le crédit d'impôt pour enfants; le régime d'Assistance publique du Canada; le programme de réadaptation professionnelle des invalides; les programmes provinciaux d'indemnisation des accidentés du travail, l'assurance-chômage, les programmes fédéraux d'emploi; les programmes de prestations financières pour anciens combattants; et, l'assurance-maladie.  
CA PA SA

### **Precise radar integrated navigation system (NAVFIX) for coastal and inshore navigation**

by Offshore Systems Ltd. ; for Transportation Development Centre, Policy and Coordination Group, Transport Canada. North Vancouver, B.C. : The Corporation, 1988. xx, 285 p. : ill. Bibliogr.  
MICROLOG 90-05805 4 fiche

This project investigated the Polarimetric radar for accurate navigation (PRAN) and the commercially available RADARFIX precise radar positioning concepts and interfaced these systems with an electronic navigation chart display system to develop a real-time radar positioning system (NAVFIX) for vessels navigating coastal and inland waters. The report details the development of NAVFIX.  
CA PS SC TE

### **Predation of bivalves by sea stars, with special reference to the predation of *Pseudocardium sybilae* and *Macra chinensis* by *Luidia yesoensis***

by N. Takamaru and I. Sato. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 19 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5218). Originally published in Japanese, in Japan. ISSN 0704-3716  
MICROLOG 90-02691 1 fiche

Sea stars are generally carnivorous and are known to be predators of bivalves in particular. They cause considerable damage to fishing grounds for useful bivalves and are a factor causing large decreases in the number of seed *Andara broughtonii* and *Patinopecten yesoensis* immediately after their release. This study observed the distribution and stomach contents of sea stars along the shore of Notsuke Peninsula in the central part of the Nemuro Strait and the vicinity of the Ryujin Bank. The sea stars were collected in November 1981 using a dredge net, sorted by species and counted, and for some of the specimens the length of the arms, the wet weight and the contents of the stomach were determined. Samples of the substrate were also obtained

using a bottom sampler, and the *P. sybilae* and *M. chinensis* were separated from the substrates. These were collected, and the shell lengths were measured.  
• CA CF FI SC

### **Prediction of the environmental fate of pentachlorophenol as a function of pH using fugacity models**

by W.P. Mortimer. Toronto : Ontario Hydro, Research Division, 1989. 13 p. : ill. Bibliogr. (Report ; no. 89-55-K).  
MICROLOG 90-03999 1 fiche

The Clean Air Program of the Ontario Ministry of the Environment uses a number of criteria to classify pollutants and to determine the type of emission controls required for a given source of the pollutant. The pollutant's environmental behaviour, including transport, persistence and bioaccumulation is considered in the classification. These factors can be determined experimentally via field or laboratory studies, or through the use of the fugacity level II model if specific data are lacking. The fugacity model uses the physical, chemical and biological properties of a chemical to estimate its environmental fate. In this report, fugacity levels I and II models are applied to pentachlorophenol, the major wood pole preservative used by Canadian utility companies.  
EN EV ON PR SC

### **Prefeasibility of ammonium paratungstate production at the Mount Pleasant Tungsten Mine, New Brunswick**

by J.D. Thibault. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. iv, 111 p. Bibliogr. (Open file report ; 89-44). ISSN 0712-4562  
MICROLOG 90-00977 2 fiche

Assessment of the feasibility of ammonium paratungstate (APT) production from ores at the Mount Pleasant Mine and assessment of development for the commercialization of the Mount Pleasant tungsten ore zone. The study also includes an overview of test programs administered by the New Brunswick Dept. of Natural Resources previous to this work. The study is composed of preliminary engineering and production economics for a processing plant but does not include mining or ore handling considerations. Flowsheet design, equipment sizing and mass balance is derived from bench scale testing for the treatment of run-of-mine ore by grinding, gravity separation and chemical processing of APT. Preliminary order of magnitude costs are based on equipment supplier quotes for major equipment and factored equipment costs for a specific duty.  
AP CO NR PR PS SC

### **Preliminary assessment of current and future prospects for onsite special waste management in Ontario : final report**

submitted to VHB Research & Consulting Inc. Burlington, Ont. : Zenon Environmental Enterprises, Ltd., 1988. 49 p. : ill. Bibliogr. Produced under contract for the Ontario Waste Management Corporation.  
MICROLOG 90-02874 1 fiche

Summary of information and data on site waste management activities from existing published sources in Canada, the U.S. and Europe; the range of waste management approaches typical of those used by industries to manage their wastes onsite; assessment of available cost data; outline of the key issues and factors expected to affect the implementation of onsite waste reduction strategies; and qualitative definition of the expected relationship between onsite waste reduction (% reduction) and cost.  
EV ON PR SC

### **A Preliminary assessment of the effect of external abrasion on the smolt-to-adult survival of net-pen cultured steelhead trout**

by P.A. Slaney, B.R. Ward and L. Berg. Victoria : Ministry of Environment and Parks, 1990. i, 111 p. : ill. Bibliogr. (Fisheries technical circular ; no. 88). ISSN 0319-9436 ISBN 0-7726-1078-9  
MICROLOG 90-04748 1 fiche

The effect of external abrasion of smolts on the return rate of maiden adult steelhead was assessed in a preliminary experiment at the Keogh River in south coastal B.C. Abrasion was defined by the incidence of scale loss, fin abrasion and opercular abrasion. Smolts with low abrasion and moderate abrasion were marked and released at similar sizes in the lower Keogh River during early May 1984 and population estimates of returning adults were conducted in 1986 and 1987. In addition, recoveries of adults as upstream migrants and downstream kelts combined were examined for differences between the two abrasion groups.  
BC FI PR SC

### **Preliminary aviation safety statistics for 1989**

Ottawa : Canadian Aviation Safety Board, 1990. 32 p. : ill. CSI 22219.002  
MICROLOG 90-05531 1 fiche

Summary of accidents to Canadian aircraft and trends during the 1980s, with detailed data on accident rates from 1980-89, fatalities, comparative rates for commercial and private aircraft, and trends for regions, incident reporting, and ultralight aircraft.  
CA SC ST TR

### **Preliminary data on the presence of periosteal growth lines in the mandible of the harbour porpoise *Phocoena phocoena* L. and their use as age indicators**

by Y. De Buffrenil. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 15 p. (Canadian translation of fisheries and aquatic sciences ; no. 5128). Originally published in French. ISSN 0704-3716  
MICROLOG 90-00544 1 fiche

Until now, all age-determination studies of the harbour porpoise were based on dentinal growth-mark counts. The method is known to have serious limitations because of the structure of dentinal growth marks is variable and dentinal deposition ceases rather early in life. Bone growth marks have not been described in detail in the harbour porpoise or other small odontocetes except *Delphinus delphis*; therefore they have not been put to practical use. This paper shows that sharply defined growth lines exist in the mandibular periosteal bone of the harbour porpoise, and are used to show age indicators.  
• CA CF FI LS SC

### **Preliminary directory of public schools in operation, Sept. 1, 1990**

Nova Scotia. Dept. of Education. Halifax : The Dept., 1990. 39 p. CSI 51104.005.  
MICROLOG 90-07044 1 fiche

This directory lists schools according to district. For each school, it provides an address and telephone number, and identifies the principal, number of teachers, and grades taught. This list is tentative only, based on information available prior to school opening. A list of school board officials ends this report.  
AP ED PR



### Preliminary evaluation of a regional secondary upgrader and satellite mining : Aostri Taciuk process production facilities

by R. Padamsey, M. Farries and R. Ritcey.  
Edmonton : Alberta Oil Sands Technology and Research Authority, 1989. 42 p. : ill.  
MICROLOG 90-00372 1 fiche

During the second half of 1987, the Alberta Chamber of Resources evaluated the concept of a regional upgrader, with a base case developed for production of 30,000 BPCD of bitumen. The upgrader was based on the VEBA combi-cracking technology and was located approximately 30-50 km NE of Edmonton. In order to evaluate the application of the AOSTRA Taciuk Process (ATP) to the concept of regional upgrader, AOSTRA undertook an inhouse study. The ATP is a thermal retorting process developed by AOSTRA which provides for simultaneous extraction and primary upgrading of bitumen derived from mined oil sands. Details are included in an appendix. Consistent with the design basis for the base case, the ATP case employing satellite mining/ATP production facilities, and a regional secondary upgrader was developed and evaluated. This report outlines the methodology used in developing and evaluating the ATP case and summarizes the results.

AL EN PR PS SC

### A Preliminary evaluation of heap leaching

submitted by Kilborn Engineering Ltd. ; to Energex Minerals Ltd. Vancouver, B.C. : Kilborn Ltd., 1986. 51 p. : ill. Bibliogr. This project was jointly funded by Energex Minerals Ltd. and the Canada-British Columbia Mineral Development Agreement  
MICROLOG 90-00188 1 fiche

Energex Minerals Ltd. holds a 100% interest in 565 contiguous claim units known collectively as the Toodogone Project, approximately 300 km north of Smithers, B.C. The project claims were divided into the Al, JD and Moose prospects. The Thesis III zone of the AL claim group offers the potential to support an economically-viable open-pit mining operation. This report presents the results of an investigation into the economic feasibility of heap leaching 30,000 tonnes of the ore, as well as determining the range of gold prices and feed grades which would be required to generate a positive cash flow.

• BC CA EV NR PS SC

### Preliminary financial statements for the year ended March 31, 1990

Canada. Ottawa : The Government, 1990. 32 p. Bilingue (Etats financiers préliminaires...). CSI 21104.001.  
MICROLOG 90-06884 1 fiche

This document contains summary and detailed statements of transactions, statement of accumulated deficit, and statement of assets and liabilities. Also includes a statement of budgetary expenditure by department and notes to the statements.  
CA CO PA

### Preliminary identification of grade and recovery relationships at the Durham Mine concentrator, Prince William, New Brunswick

by J.D. Thibault. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1989. 61 p. : ill. Bibliogr. (Open file report ; 89-49) ISSN 0712-4562  
MICROLOG 90-01603 1 fiche

Summary of in-plant testing and assessment of antimony recovery limitations at the Dominion Explorers Inc., Durham mine concentrator from June 1986 to March 1987. The work identified and quantified separation limitations so technical

and economic factors could be considered prior to process modifications. In-plant separation data was derived at various time intervals under optimum steady state operating conditions. This report includes an assessment of this data, as well as a technical review of the test program results based on particle size analysis, mass balance and mineralogical data of various process streams and a review of economic criteria and recommendations for future studies on the optimization of antimony separation and recovery. The assessment discusses data from preliminary bench-scale grinding and batch flotation tests on run-of-mine ore and gravity separation tests on secondary cyclone underflow; assays, particle size analysis and antimony particle size distribution data on various process streams for 7 individual in-plant tests; and mass balance calculations for both dry solids and antimony, based on particle size distribution for various flowsheet configurations.

• AP CA NR PS SC

### A Preliminary investigation on superplasticized high-volume slag concrete

by E. Douglas, A. Bilodeau and V.M. Malhotra. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. ii, 11 p. Bibliogr. (Report ; MSL 89-136(IR))  
MICROLOG 90-03952 1 fiche

Concretes with high content of ground granulated blast-furnace slag have low heat of hydration and high resistance to corrosion and sulphate attack. In Europe and in Japan, the use of high-volume slag concretes is recommended for a wide range of applications. In recent years, the use of blast-furnace slag in concrete manufacturing in Canada has become increasingly popular and specifications for its use have been incorporated in Canadian Standards Association standards. In this preliminary study, two high-volume-slag, low water-to-binder ratio concretes were made incorporating a superplasticizer. The properties of the fresh and the hardened concretes are reported.

• CA CM NR PS SC

### Preliminary pipeline testing of thermally dewatered Saskatchewan lignite slurries (UP-S-7-037) part of the program of the Federal Panel on Energy R&D (PERD)

by R. Gillies, M. Small and J. Lychak. Saskatoon, Sask. : Saskatchewan Research Council, 1989. iv, 58 p. : ill. Bibliogr. (SRC publication ; no. R-1100-5-C-89) CANMET contract : 89053-01-SQ.  
MICROLOG 90-02545 1 fiche

Evaluation of the potential of a thermal dewatering process for improving the pipelining characteristics of Saskatchewan lignite slurries. Lignite samples from the Estevan area were treated using the University of North Dakota's thermal dewatering (hydrotreating) process. In this process, the lignite was exposed to a high temperature (330°C) and high pressure (15,000 kPa) environment in a 2.2 tonne/day continuous unit. The hydrotreated lignite samples were tested in a 50 mm diameter pipeline loop.

• CA CM EN MS PS SC

### Preliminary report for the first six months of monitoring in the petroleum refining sector : Dec. 1, 1988 to May 31, 1989

Toronto : Environment Ontario, Water Resources Branch, 1989. 35 p. ISBN 0-7729-6375-4  
MICROLOG 90-01802 1 fiche

The Petroleum Refining Sector Effluent Monitoring Regulation was promulgated in June 1988 and amended in November 1988 to further clarify some requirements. Except for

an initial reporting requirement, which came into force September 1988, the Regulation came into force December 1988. During the monitoring period, data are collected by industry under strict protocols to ministry specifications. Companies are also required to carry out a quality control program to help validate the monitoring data. Besides flow monitoring and sampling for chemical analyses, the dischargers are also required to perform toxicity testing on their process effluents and once-through cooling water. As some validations of data are pending, only the first 6 months of data were reviewed for this report.  
EN EV ON PR SC

### Preliminary report on the geology of the Arcadia Bay Property, Coronation Gulf, N.W.T. : a granitoid-hosted gold deposit

by A.P.G. Abraham. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1989. 25 p. : maps. Bibliogr. Fold. map not filmed.  
MICROLOG 90-01955 1 fiche

The Arcadia Bay gold property is situated on the east side of Arcadia Bay, approximately 380 air miles north of Yellowknife, on the southern shore of the Coronation Gulf. This study utilizes field, petrographic, geochemical and geochronological data to provide a geochronological framework for the timing of deformation, metamorphic and mineralizing events affecting the rocks; to determine the nature of the contact between the Aniak River granite gneiss and the Aniak River greenstone belt; and to develop and test models for the evolution of the auriferous apfite-quartz vein-filled shears and to determine their relationship to the regional geology.  
CA NO NR PS SC

### Preliminary response to new directions for child care

Toronto : Association of Municipalities of Ontario, 1988. 18 p. (AMO report : report series 1988 ; 88-2)  
MICROLOG 90-00847 1 fiche (Available on fiche only)

Discusses the national child care strategy, new directions for child care, and the municipal role in the delivery of child care services.  
MU ON PA SA

### Preliminary results of a cooperative bird-banding project in the Zapata Swamp, Cuba, January, 1988

by H. Gonzalez Alonso...et al. Ottawa : Canadian Wildlife Service, 1990. 8 p. Bibliogr. (Progress notes ; no. 187) French ed. (Résultats préliminaire...) : 90-06276/1. ISSN 0069-0023 ISBN 0-662-17502-6  
MICROLOG 90-04888 1 fiche

A cooperative bird-banding project involving Cuban, Canadian and U.S. ornithologists was carried out from January 12-20, 1988 in a forested sector of the Zapata Swamp in western Cuba. The program's main objectives were to train Cuban wildlife biologists in the techniques of bird-banding, to initiate a study of wintering and staging Nearctic species, and to identify sites where banding stations could be established. This report describes the site of the banding, the methods used and the results obtained.

• CA EV LS SC

### Preliminary results of the lesser snow goose collaring program on the Alaksen National Wildlife Area, 1986 and 1987

by R. McKelvey...et al. Ottawa : Canadian Wildlife Service, 1989. 5 p. Bibliogr. (Progress notes ; no. 183) French ed. (Le Programme de marquage...) : 90-02462/1.  
MICROLOG 90-01705 1 fiche



A joint program between the Canadian Wildlife Service and the Washington Department of Wildlife to collar Lesser Snow Geese on the Fraser River Delta was initiated in the fall of 1986. Birds were captured on fields on the Alaskan National Wildlife Area using rocket nets. Neckbands were placed on 396 birds in November 1986 and on 298 birds in December 1987.

BC CA EV SC

#### Preliminary review of training materials

by A. Côté. Ottawa : Atomic Energy Control Board, 1988. ii, 7 p. (Research report ; INFO-0336)

MICROLOG 90-04395 1 fiche

Description of a research project which developed a methodology to evaluate the effectiveness of Atomic Energy Control Board licensee training materials. In addition, the professional resources required were identified and the costs of the total study and its constituent sections were estimated.

CA EN LA SC

#### Preliminary studies on the biology of sea lice, *Caligus elongatus*, *Caligus curtus* and *Lepeophtheirus salmonis* (Copepoda: Caligoida) parasitic on cage-cultured salmonids in the lower Bay of Fundy

by W.E. Hogans and D.J. Trudeau. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Marine Fish Division, Biological Sciences Branch, Biological Station, 1989. iv, 14 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1715) This is the two hundred and fourth technical report of the Biological Station, St. Andrews, N.B. ISSN 0706-6457

MICROLOG 90-02481 1 fiche

The culture of Atlantic salmon in the lower Bay of Fundy is a successful and expanding industry. The culture method employed is that of rearing several thousand fish in cages in close proximity, which often predisposes the salmon to epizootics of parasitic and other diseases. This paper presents the preliminary findings of a study of the biology of sea lice parasitic on Atlantic salmon cultured in marine waters of the lower Bay of Fundy. It describes the analysis of data compiled between July 1, 1988 and March 31, 1989, including descriptions of general biology, life histories, pathology and abundance, and distributional trends for each species.

• AP CA CF FI LS SC

#### Preliminary test results comparing heat pump performance of refrigerants R-134a and R-12

by J.W. Linton, W.K. Snelson and P.F. Hearty. Ottawa : National Research Council Canada, Division of Mechanical Engineering, 1989. iv, 20 p. : ill. Bibliogr. (Technical report ; TR-LT-017)

MICROLOG 90-07012 1 fiche (Available on fiche only)

Performance comparison tests were carried out on R-134a, which is being considered as a substitute refrigerant to replace R-12. The two refrigerants were tested in a small prototype exhaust air heat pump (EAHP) designed for R-12. Both refrigerants were tested over the same range of air temperatures supplied to the EAHP. From the test data, graphs were plotted to compare performance of the unit as a function of outdoor air temperature. In this report, comparisons are presented of refrigerant evaporating/condensing temperatures and pressures, heating capacities, compressor power requirements, and coefficients of performance. Thermostatic expansion valve behaviour is also described, including the

internal orifice changes which were necessary to provide satisfactory control in the R-134a tests.

CA EN PS SC

#### Le Premier pas vers l'alphabétisation, l'éducation de base et le rattrapage scolaire dans le milieu acadien en Nouvelle-Ecosse

par C. D'Entremont. Halifax : Ministère de l'enseignement supérieur et de la formation, 1990. 120, 70 p. : ill. Bibliogr. Bilingue (The First step...)

MICROLOG 90-06039 2 fiche

En proclamant 1990 Année internationale de l'alphabétisation, les Nations unies ont mis la question de l'alphabétisation à l'ordre du jour dans l'opinion publique et sur la scène politique. L'alphabétisation est devenue l'objet d'un débat intensif aux niveaux provincial, national, et international. Le domaine de l'alphabétisation des francophones a progressé d'une manière spectaculaire ces quelques dernières années. Les francophones du Canada entier sont en train de se rendre compte de l'importance de la dimension à la fois culturelle, sociale et linguistique de l'alphabétisation dans un contexte minoritaire. Ce rapport présente une excellente vue d'ensemble de l'état actuel des programmes de français dans les provinces et territoires canadiens et il identifie certains des obstacles principaux auxquels doivent faire face les minorités francophones de nos jours. C'est dans le cadre de ce contexte plus général que l'alphabétisation des Acadiens de la Nouvelle-Ecosse sera examinée.

AP ED PR

#### Première rencontre des tables rondes sur l'environnement et l'économie

British Columbia Round Table on Environment and Economy...et al. Victoria : les Round Tables, 1990. 169 p. Bilingue (First Joint Meeting...)

MICROLOG 90-07217 2 fiche

La création de tables rondes sur l'environnement et l'économie fait suite aux recommandations que le groupe de travail national sur l'environnement et l'économie a émis au Conseil canadien des ministres des ressources et de l'environnement en septembre 1987. Ce document présente un résumé des diverses discussions qu'a tenues le comité sur divers aspects, tels les principes-guides pour envisager la conférence, le contexte politique, le genre de conférence dont le Canada a besoin, les objectifs de la conférence et ceux qui devraient y participer, le mandat du Comité et ses liens avec d'autres organisations, l'époque de tenue de la conférence, les sujets qui pourraient y être discutés, et autres. En somme, il vise à fournir un sommaire afin d'évaluer la contribution possible des tables rondes pour 1991 et 1992.

• CA CO EV SC

#### Preparation and documentation of a CATHENA input file for Darlington NGS

Ottawa : Atomic Energy Control Board, 1989. 13 p. : ill. Bibliogr. (Research report ; INFO-0320)

MICROLOG 90-01354 1 fiche

A CATHENA input model was developed and documented for the heat transport system of the Darlington Nuclear Generating Station. CATHENA, an advanced two-fluid thermalhydraulic computer code, was designed for analysis of postulated loss-of-coolant accidents (LOCA) and upset conditions in the CANDU system. This report describes the Darlington input model (or idealization), and gives representative results for a simulation of a small break at an inlet header.

CA EN ON PS SC

#### Preparation and evaluation of weldments employing the rotary arc GMA-NG process

by B.M. Patchett. S.I. : University of Alberta, 1990. 21 p. ill. Bibliogr. CANMET contract: 69142-01-ST.

MICROLOG 90-03958 1 fiche

One-sided welds were produced in 25 mm thick precipitation hardened HSLA80 and quenched and tempered HY100 steels using a rotary arc single pass/layer narrow gap welding technique at a nominal energy input of 2 kJ/mm. Three welds were produced and evaluated according to the military standards for submarine construction. One weld was produced in HSLA80 steel using a commercially available 100S-1 electrode wire. Two welds were produced in HY100 steel, one using the same commercially available 100S-1 wire and one using a commercially available 120S-1 wire, in combination with a 95% Ar-5% CO<sub>2</sub> shielding gas mixture.

• CA CM PS SC

#### Preparation of a manual of methods used in revegetation of reactive sulphide tailings basins : final report

by B.W. Brooks, T.H. Peters and J.E. Winch. North Bay, Ont. : Proctor & Redfern Group, 1989. iv, 198 p. : ill., maps. Bibliogr.

CANMET contract: 89060-01-SQ

MICROLOG 90-02542 3 fiche

Sulphide tailings disposal areas impact the atmosphere, hydrosphere and lithosphere if left uncontrolled. To date, the only environmentally sound measure that has some remedial action on all 3 of the components of the ecosystem is reclamation by the use of vegetation. This manual provides a comprehensive methodology for preparation, neutralization, fertilizing, seeding and follow-up maintenance, if required, for revegetation of reactive sulphide tailings disposal areas in Canada. The manual also covers the basic concepts of macro and micro-climate and their effects; introduction to the nature and physical and chemical properties of soil; types of materials (overburden, waste rock and tailings) encountered at a mine, and the general effects of lime, fertilizer and other amendments on soils and tailings.

• CA CM EV NR SC

#### Prérefroidisseur mobile pour fruits et légumes

par I.R. MacKinnon, R.K. Prange et P.D. Lidster. Ottawa : Agriculture Canada, 1990. 10, 9 p. : ill. Bilingue (Mobile precooler for...). En tête du titre: Réfrigération. ISBN 0-662-57400-1

MICROLOG 90-07062 1 fiche

Le prérefroidissement est l'extraction rapide de la chaleur emmagasinée au champ avant l'expédition ou l'entreposage des fruits et des légumes. Cette brochure fournit des informations et des directives générales sur le prérefroidissement, suivies par les particularités sur la construction du prototype. Elle se penche particulièrement sur les exigences générales concernant le prérefroidissement; la fiche technique d'un prérefroidisseur mobile tel le mouvement de l'air; et, les notes de construction portant sur la conception et le mode d'empilement des cartons.

AG CA PS SC

#### The Present state and the prospects of salmon culture in the Amur River basin

by N.S. Probatov...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 5 p. (Canadian translation of fisheries and aquatic sciences ; no. 5464) Originally published in Russian. ISSN 0704-3716

MICROLOG 90-00604 1 fiche



Report on salmon culture in the Amur River basin from the late 1970s to the present. Recommendations to increase the efficiency of the station are also given.  
• CA CF EV FI SC

**Presentation of a new graph to determine the confidence limits for an estimation of the most probable population using the Petersen method**

by P. Lamarque. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 14 p. ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5444) Originally published in French. ISSN 0704-3716 MICROLOG 90-00625 1 fiche

When the Petersen method is used for estimating a fish population, the population must be broken down by species and length categories to calculate its size and confidence limits, since fishing efficiency varies with these factors. This requires a large number of calculations demanding a great deal of time even when computer programs or office calculators are used. This paper describes a method of estimating a fish population which produces a rapid and easy-to-use graph. It provides symmetrical confidence limits for the most probable fish population as well as the level of precision of the census, thereby making it possible in the field to determine the advisability of extending fishing operations.  
• CA CF FI SC

**Presentation of size consist**

by J. Visman. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1958. 3 p. (Report ; TM 101/58-PREP) MICROLOG 90-04544 1 fiche

A new scale was suggested by Hoglund and Lundberg for presenting sieve-curves in a simple manner. This diagram was checked for Canadian coals of varying rank using average sieve curves from all over Canada. This paper evaluates the results.  
• CA CM NR PS SC

**Preserving our living legacy : parks plan 90 : landscapes for BC Parks**

Victoria : Ministry of Parks, Planning and Conservation Services, 1990. 47 p. Bibliogr. ISBN 0-7726-1137-8 MICROLOG 90-07003 1 fiche

This report is a preliminary document intended to inform the public and encourage discussion and comment. Its purpose is to explain the concept of landscapes, outline the process for applying the concept to the park system; undertake a preliminary review of the park system to determine the degree to which the present system meets the idealized objectives of the landscape concept; and briefly describes each landscape.  
BC CU PR

**Preserving our living legacy : parks plan 90 : special features for BC Parks**

Victoria : Ministry of Parks, Planning and Conservation Services, 1990. 47 p. Bibliogr. ISBN 0-7726-1138-6 MICROLOG 90-07004 1 fiche

This report is a preliminary document intended to inform the public and encourage discussion and comment. Its purpose is to identify types of outstanding features in the province that B.C. Parks believes should be protected; outline a process for completing an inventory of special features in the province; and provide a preliminary list and map of special features in British Columbia.  
BC CU PR

**Preserving our living legacy : parks plan 90 : summary**

Victoria : Ministry of Parks, Planning and Conservation Services, 1990. 7 p. ISBN 0-7726-1136-X MICROLOG 90-07002 1 fiche

Discusses the future of B.C. parks, and extends an invitation to all British Columbians to join in shaping the future of the park system. It identifies key park-study areas which will act as models for how individual study areas will be dealt with in the future. It includes an address for the Parks Plan 90.  
BC CU PR

**Press and opposition in the Nova Scotia Legislative Assembly**

by S.L. Simm. Halifax : House of Assembly, 1987. 34 p. Bibliogr. MICROLOG 90-00971 1 fiche

The issue is analyzed from the perspective of opposition members and their communications staff. It studies the interplay between the role of opposition parties and the press, what the role of the press should be, and how the press has fulfilled that role. It also ascertains whether consideration of press reaction had any effect on the choice of issues to be raised, and how they were presented by the opposition.  
AP PA PR TE

**Pressure history of a gas pipeline**

by O. Vosikovsky. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1990. ii, 7 p. : ill. Bibliogr. (Report ; MTL 90-3(TR)) MICROLOG 90-03376 1 fiche

Extensive stress corrosion cracking (SCC) has been found in Canadian gas pipelines and beginning in 1985, has resulted in several operational and hydrotest failures in lines operated by TransCanada Pipelines (TCPL). Examination of failures and extensive field research revealed that SCC in Canadian pipelines differs from the known 'classical' SCC in that the electrolytes found above SC cracks are dilute and have lower pH (near neutral). The crack tip strain rate generated (among other factors) by stresses from pressure fluctuations in a pipeline is one of the most important parameters controlling the crack growth rate. Since representative pressure histories of gas pipelines are not available, cycle counting was performed on the TCPL pipeline which experienced several service failures. The method of cycle counting and the results - a 1-year pressure sequence to be used in SC crack growth rate tests - are described.  
• CA CM EN PS SC TR

**The Prevalence of healthfulness in Alberta : highlights from the 1985 General Social Survey**

Edmonton : Alberta Health, 1989. 8 p. : ill. CSI 36018.203 MICROLOG 90-06714 1 fiche

Two principal objectives of the survey were to gather time-series data on trends in Canadian Society, and to provide information on specific policy issues of interest. Because of the broad scope of the survey, this report can only present a few points of interest from the results. The focus is on the prevalence of chronic diseases and disability in Alberta as indicated by the results of the survey. Numerical results for Alberta and, where appropriate, a comparison with Canada and other provinces or regions are presented geographically with accompanying discussion in the text.  
AL HE PR ST

**Prévention du crime et traitement des délinquants : recueil de ressources sur les expériences canadiennes**

Ottawa : Ministère de la justice, 1990. vi, 81, vi, 74 p. Bibliogr. Bilingue (The Prevention of crime...). ISBN 0-662-57687-X MICROLOG 90-06859 2 fiche

Cet ouvrage a pour objectif d'offrir au lecteur une évaluation des moyens dont dispose le Canada pour répondre à la plupart des points à l'ordre du jour du Congrès qui sont : une liste de texte, de programmes informatiques ou bases de données choisis et de centres d'information; et, une orientation à suivre afin d'en savoir davantage sur l'expérience canadienne. Le recueil de ressources est réparti en sept sections dont chaque sujet est divisé en sous-thèmes présentant un intérêt particulier pour le Canada. Ils expliquent la démarche canadienne et font état des mesures et des lois adoptées récemment. De plus, il présente une liste de centres d'information - organismes, bureaux du gouvernement, etc. - ainsi que certains documents de référence, accompagnés de notes à l'intention des lecteurs qui désirent obtenir de plus amples renseignements.  
• CA JU

**The Prevention of crime and the treatment of offenders : a source book of Canadian experiences**

Ottawa : Dept. of Justice, 1990. vi, 74, vi, 81 p. Bibliogr. Bilingual (Prévention du crime...). ISBN 0-662-57687-X MICROLOG 90-06859 2 fiche

The objectives of this publication are to provide readers with an appreciation of Canada's means of responding to many issues on the Congress agenda; a listing of selected documents, and computer programs or databases and resource centres, and an understanding of 'where to go' to gain further understanding of the Canadian experience.  
• CA JU

**Preventive Maintenance Workshop -- 2d ed. rev.**

Preventive Maintenance Workshop (Toronto, Ont.). Toronto : Environment Ontario, 1989. 540 p. : ill. MICROLOG 90-05561 6 fiche

This manual was prepared as a home study and reference manual for plant operators and as the text for the related workshop. The workshop is conducted to upgrade the knowledge of experienced water and wastewater treatment plant operators. It covers preventive maintenance of types of pumps, pipes and valves, standby power units, motors, motor starters, electrical measuring instruments, V-belts, and blowers, the utilization of drawings and equipment manuals; the characteristics of materials pumped, pumping system characteristics; lubrication; bearings; pump packaging and seals, troubleshooting; and general preventive maintenance.  
EV LA ON PR SC

**Prévisions budgétaires des municipalités, 1989**

Québec : Gouvernement du Québec, Ministère des affaires municipales, 1989. 373 p. CSI 66115.007. ISBN 2-551-12211-2 MICROLOG 90-03605 4 fiche

Cette publication comprend deux parties. une qui regroupe les principales données que l'on retrouve au cahier des prévisions budgétaires des municipalités locales et une qui porte sur les prévisions des recettes et dépenses des organismes intermunicipaux. Elles traitent particulièrement des sujets suivants: des données brutes sur les recettes, les dépenses, l'évaluation, la valeur locative, et les taux de taxes et la population des municipalités locales;



les données brutes uniquement pour les municipalités membres de la Communauté urbaine de Montréal, de la Communauté urbaine de Québec et de la Communauté régionale de l'Outaouais; et, des renseignements sur les communautés urbaines et régionales, les municipalités régionales de comté, les régies intermunicipales et les organismes publics de transport.  
CO MU PA PR QU

### Prévisions budgétaires, 1989-90 : rapport financier préliminaire, 1988-89

Québec (Province). Directeur général des élections du Québec. Québec : le Directeur, 1989. 13 p. *CSI 67136.004*. MICROLOG 90-01059 1 fiche

Dans ce document on retrouve les prévisions de dépenses reliées à la gestion interne du Directeur général des élections, les dépenses reliées exclusivement à la tenue d'activités électorales, et, une ventilation de toutes les prévisions budgétaires et estimées des dépenses par catégorie.

CO PA PR QU

Commission de la représentation électorale du Québec. Québec : la Commission, 1989. 9 p. *CSI 67211.001*.

MICROLOG 90-01057 1 fiche

Le document présente une ventilation de toutes les prévisions budgétaires et des dépenses estimées, par catégorie.

CO PA PR QU

### Prévisions budgétaires, 1990-91 : rapport financier préliminaire, 1989-90

Québec (Province). Directeur général des élections du Québec. Québec : le Directeur, 1990. 13 p. *CSI 67136.004*. MICROLOG 90-04239 1 fiche

Dans les tableaux de ce document, on retrouve une ventilation de toutes les prévisions budgétaires et estimées des dépenses par catégorie pour les éléments 01 et 03 du programme 03 (Administration du système électoral). De plus, le rapport financier préliminaire pour l'année 1989-1990 y est également fourni.

CO PA PR QU

Commission de la représentation électorale du Québec. Québec : la Commission, 1990. 9 p. *CSI 67211.001*.

MICROLOG 90-04240 1 fiche

Dans les tableaux de ce document on retrouve une ventilation de toutes les prévisions budgétaires et des dépenses estimées par catégorie pour l'élément 02 du programme 03 (Administration du système électoral). On y retrouve également le rapport financier préliminaire 1989-1990.

CO PA PR QU

### Les Prévisions de l'effectif étudiant universitaire pour investissements : méthodologie générale et prévisions 1987-88 à 2007-08

par A. Lespérance et J. La Haye. Québec : Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement et de la recherche universitaires, 1988. xi, 33 p. *CSI 66137.012*. ISBN 2-550-19252-4. MICROLOG 90-00130 1 fiche

Le rapport porte sur les prévisions de l'effectif étudiant universitaire pour investissements. On y retrouve tout d'abord une description détaillée du modèle utilisé, qui met plus particulièrement en évidence la méthode de prévision et les différents paramètres considérés. Ce modèle est ensuite appliqué aux données les plus récentes, celles de l'année universitaire 1986-1987 à 2007-2008.

ED PR QU ST

### Prices for Baltic cod under various port purchasing methods

by H.P. Jorgensen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 5 p. (Canadian translation of fisheries and aquatic sciences ; no. 5303) Originally published in Danish, by the Institute of Fisheries Economics, in Denmark. ISSN 0704-3716. MICROLOG 90-02112 1 fiche

Comparison of prices of Baltic cod when sold through auctions, sales associations (marketing cooperatives) or through contract sales from the ports of Skagen (auction), Rodvig (sales association), and Nekro (contract sales). Prices were collected from 1983-April 1986 for all 5 size grades. Only the summary and table of contents were translated.

• CA CF FI SC

### Prices monitoring survey, December 1989

Winnipeg : Manitoba Bureau of Statistics, 1990. 15 p. *CSI 42108.012*. MICROLOG 90-05259 1 fiche

This document includes 4 tables: Table 1 presents the spatial indices for the 17 Manitoba communities in the December 1989 survey. The indices are based on a matched brand sample, and weighted with the present Consumer Price Index food weights for Winnipeg. Each of the communities is compared to base Winnipeg; Table 2 presents the average prices of a subset of the food basket for Winnipeg and the other 17 communities surveyed on a matched brand basis; Table 3 presents the spatial indices for the 17 Manitoba communities surveyed in 1988, and Table 4 presents the average prices of a subset of the food basket for these communities and Winnipeg, in December 1988.

AG CO MS PR ST

### Primary and junior science innovative in-service projects : board reports, 1987-89

Toronto : Ministry of Education, 1989. 184 p. *Bilingual (Projets pilotes de formation...)*. *CSI 55108.006*. MICROLOG 90-06077 2 fiche

One of the initiatives of the Ministry of Education's 1986 report on science in primary and junior education was the provision for special grants to school boards in support of innovative pilot projects in in-service teacher education. School boards submitted proposals in 1987-88 and 1988-89. This document is a compilation of the reports submitted by the school boards to describe the projects. Reports are listed by region and school board and give information on the title of the project, its focus and target group, its special features, and a summary.

ED ON PR SC

### Primary and secondary school teachers' salaries in Ontario : a public/private sector comparison : report no. 7

by D. Auld and H. Kitchen. Toronto : Ontario Public Sector Pensions Consultations, 1988. 34 p. : ill. Bibliogr. MICROLOG 90-02983 1 fiche

Examines the trend in Ontario teachers' and professors' salaries for various years, 1966-85, using taxation statistics and comparing these changes to the salaries of other public sector workers and several professional groups. It also reviews trends in base wage rate increases for education workers in Ontario as reflected in collective agreements and compares this data with several other public sector groups and the private sector. In addition, it compares elementary and secondary teachers' salaries in Ontario with similar salaries in all of Canada and other education workers in

Ontario: university professors and college teaching masters. Finally it provides a summary of the data and concludes with some observations on the forces shaping these trends.

CO ED ON PR

### Primary production in the northern Sargasso Sea in September, 1988

by B. Irwin...et al. Dartmouth, N.S. : Bedford Institute of Oceanography, 1990. iv, 93 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 798) ISSN 0706-6465. MICROLOG 90-05165 2 fiche

The cruise was undertaken to collect data to test the existence and magnitude of the hypothetical active dissolved inorganic nitrogen (DIN) flux by diel migrant biota. It was postulated that excretion of DIN by diel migrant zooplankton below the photic zone by day is a significant downward flux relative to the vertical export of particulate organic nitrogen as captured by sediment traps. A single station in the northern Sargasso Sea was occupied for 10 days during which daily estimates of in situ primary production were obtained and estimates of sedimentation rates were calculated from a free-drifting sediment trap array deployed at the beginning of the experiment and recovered at the end of the experiment. This report presents the raw data and some fitted parameters from measurements taken from September 7-21, 1988.

• AP CA CF NR PS SC

### Primary production on Georges Bank, August 1988

by B. Irwin...et al. Dartmouth, N.S. : Bedford Institute of Oceanography, 1990. iv, 197 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 785) ISSN 0706-6465. MICROLOG 90-03396 3 fiche

From August 15-31, 1988, primary production and other related variables were measured on Georges Bank. Measurements were taken for primary productivity using the C14 method, chlorophyll, organic particulates, nutrients, incubation light, and estimation of photosynthetic parameters. This report gives the raw data and some fitted parameters.

• AP CA CF FI LS SC

### Primary production on the Labrador Shelf and in the Strait of Belle Isle in May 1988

by B. Irwin...et al. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Marine Fish Division, Biological Sciences Branch, Biological Station, 1990. iv, 96 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 784) ISSN 0706-6465. MICROLOG 90-03220 2 fiche

Fifteenth in a series of data reports giving results of experiments on photosynthetic production vs light intensity for natural phytoplankton populations in the North Atlantic and adjacent waters north of 50N. Samples were collected from CSS Hudson between May 7 and May 17, 1988 on the Labrador Shelf NE of Newfoundland and in the Strait of Belle Isle. The report gives the raw data and the fitted light saturation parameters.

• AP CA CF FI LS SC

### Primary productivity on the Labrador Shelf during July 1985

by B. Irwin...et al. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 119 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 760) ISSN 0706-6465. MICROLOG 90-02480 2 fiche

Fourteenth in a series of data reports giving results of experiments on photosynthetic production versus light intensity for natural



phytoplankton populations in the North Atlantic and adjacent waters north of 50N. Samples were collected from July 1-12, 1985 on the Labrador Shelf NE of Newfoundland. Measurements for productivity, chlorophyll, organic particulates, nutrients, incubation and incident light, and estimation of photosynthetic parameters were conducted.  
• AP CA CF FI SC

**Prince Albert Health Region (Sask.) : Annual report 1989**

Prince Albert, Sask. : The Region, 1990. 34 p. CSI 72187.001  
MICROLOG 90-05612 1 fiche

Annual report containing information on personnel for each type of treatment area: public health nurses, public health inspection, early childhood psychology, speech and language pathology, dental health, community therapy and nutrition. Lists administrative staff and reviews the year's caseloads and general activities in each treatment area for each region.

HE MS MU PR ST

**Prince Edward Island. Civil Service Commission : Annual report 1989**

Charlottetown : The Commission, 1990. 46 p. CSI 62113.001.  
MICROLOG 90-05266 1 fiche

The Commission is responsible for staffing the Prince Edward Island civil service, duties which include recruitment, selection, placement, transfer and promotion, and provides training and development programs for employees, as well as developing and maintaining a classification plan that ensures equitable compensation and treatment of employees. The annual report reviews employment activity as well as salaries and benefits.

AP PA PR ST

**Prince Edward Island. Dept. of Agriculture : Annual report 1988-89**

Charlottetown : The Dept., 1990. 26 p. : ill. CSI 61100.001.  
MICROLOG 90-05260 1 fiche

Annual report of the Department, presenting summary information on the activities of the Planning and Operations Branch, Appropriate Technology and International Programs Branch, Marketing and Extension Branch, and the Production Services Branch. A financial statement concludes the report

AG AP PR SC

**Prince Edward Island. Dept. of Community and Cultural Affairs : Annual report 1989**

Charlottetown : The Dept., 1990. 50 p. CSI 61101.001.  
MICROLOG 90-05283 1 fiche

Reviews the year's activities in the departmental structure, such as the Administrative Services Division, French Services Secretariat, Community Services Division, and Rural Development, Culture and Recreation Division. A description of services provided by each area of the department are included along with some financial statements.

AP EV PR PW SA ST

**Prince Edward Island. Dept. of Education : Annual report 1988-89**

Charlottetown : The Dept., 1989. 54 p. CSI 61102.001.  
MICROLOG 90-03152 1 fiche

This annual report reviews the activities of the year, specifically covering the Programs and Services Branch, and the Administration and Finance Branch. It includes statistical tables, an organization chart and a list of personnel.

AP ED PR ST

**Prince Edward Island. Dept. of Energy and Forestry : Annual report 1988-89**

Charlottetown : The Dept., 1989. 25 p. : ill. CSI 61103.001.  
MICROLOG 90-05262 1 fiche

Annual report of the Dept., giving information on the activities of the Energy and Minerals Branch and the Forestry Branch. A short financial statement and an organizational chart are included.

AP EN FO PR ST

**Prince Edward Island. Dept. of Fisheries and Aquaculture : Annual report 1989**

Charlottetown : The Dept., 1990. 73 p. : ill. CSI 61105.001.  
MICROLOG 90-07348 1 fiche

Annual report of fish and lobster landings and value, both current and historical. Reports on the activities of the various branches and divisions, including commercial fisheries, extension division, resource utilization and marketing, aquaculture, and processing and quality are given. Also includes a financial statement.

AP FI PR SC

**Prince Edward Island. Dept. of Health and Social Services : Annual report 1988-89**

Charlottetown : The Dept., 1989. 55 p. CSI 61106.001.  
MICROLOG 90-06071 1 fiche

Annual report from the Department is a compilation of annual reports from each division within the Department which describe caseload activities and general direction of each program. Included are: dental public health, community hygiene, community mental health, pharmacy, nursing, special services section, aging and extended care, oncology, management services, child and family services, home care and support, emergency welfare, vital statistics and the Welfare Assistance Appeals Board. Contains financial statements for the Department.

AP HE PR SA ST

**Prince Edward Island. Dept. of Industry : Annual report 1988-89**

Charlottetown : The Dept., 1989. i, 57 p. CSI 61107.001.  
MICROLOG 90-05398 1 fiche

The Department offers a broad range of programs and services to meet the needs of Island employers and employees. It comprises five divisions, namely the Administration Division, the Community Economic Development Division, the Human Resource Development Division, the Policy and Planning Division and the Small Business Development Division. The 1988-89 year saw the establishment of the Business Institute in conjunction with the University of Prince Edward Island and other Atlantic universities. An Advisory Council on Science and Technology was established this year and was charged with the responsibility for providing advice to Government on science and technology matters. In addition, the Dept. provided a new Community Economic Development Support Program as well as a Co-op Organization Support Program designed to facilitate economic development throughout the province. The report includes financial statements.

AP CO PR ST

**Prince Edward Island. Dept. of Justice : Annual report 1989**

Charlottetown : The Dept., 1990. 40 p. CSI 61108.001.  
MICROLOG 90-05255 1 fiche

The annual report includes reports of general activities carried out by the following divisions: administration, community and correctional services, consumer services, corporations, crown attorneys, family legal aid, insurance, judiciary, legal services, the Legislative Counsel, and the Public Defender. Contains selected data from each division.

AP JU PR ST

**Prince Edward Island. Dept. of Tourism and Parks : Annual report 1988-89**

Charlottetown : The Dept., 1989. 26 p. CSI 62137.001.  
MICROLOG 90-04173 1 fiche

The mandate of the Department is to act as a catalyst in order to stimulate economic diversification and growth evenly throughout the province in the private sector with a minimum of undesirable environmental and social change. This annual report outlines the major activities and accomplishments of the Department.

AP CU PR

**Prince Edward Island. Dept. of Transportation and Public Works : Annual report 1988-89**

Charlottetown : The Dept., 1989. 97 p. CSI 61110.001.  
MICROLOG 90-05399 2 fiche

Includes various reports by the Administration, Finance and Services Division, Public Works Division, Highway Safety Division, Highway Maintenance Division, and the Highway Construction Division. Ordinary and capital expenditures conclude the document.

AP PR PW SC ST TR

**Prince Edward Island. Environmental Advisory Council : Annual report 1989**

Charlottetown : The Council, 1990. 56 p. CSI 62142.001.  
MICROLOG 90-06389 1 fiche

Annual report of the Council, giving highlights of the year's activities and details of programs in agriculture, forestry, transportation, fish and wildlife, coastal zone, water management and pollution control, landscape, land use planning and tourism, education and public awareness, legislation and enforcement. The Council's terms of reference are included, as are their recommendations on agricultural pesticide spraying to the Dept. of the Environment, the response of the Dept. of Energy and Forestry to concerns expressed by the Council on the management of woodlots, and the Council's presentation to the Royal Commission on Land.

AP EV PR SC

**Prince Edward Island. Land Use Commission : Annual report 1988**

Charlottetown : The Commission, 1989. 3 p. CSI 62116.001.  
MICROLOG 90-00298 1 fiche

This annual report summarizes the activities of the Commission relating to the use and ownership of land within the province. It focuses on appeals from persons who are dissatisfied with decisions made by government, the Lands Protection Act, and official plans.

AP PL PR

**Prince Edward Island. Land Use Commission : Annual report 1989**

Charlottetown : The Commission, 1990. 6 p. CSI 62116.001.  
MICROLOG 90-06353 1 fiche

During the calendar year 1989, the Land Use Commission engaged in a broad range of activities relating to the use and ownership of land within the province. The report summarizes activities of the Commission as an appeal body, applications under the Lands



Protection Act, official plan approvals and municipal boundary extensions.  
AP PL PR

**Prince Edward Island. Office of the Auditor General : Annual report to the Legislative Assembly 1989-90**

Charlottetown : The Office, 1990. 119 p. : ill.  
CSI 62120.001.  
MICROLOG 90-04372 2 fiche

The audit program this year covered financial statement audits of the Public Accounts of the Province, eight Crown corporations, four agencies, and seven special purpose funds. Special audits and examinations were performed on several department programs and government-wide activities as well.  
AP CO PA PR

**Prince Edward Island. Office of the Superintendent of Insurance : Annual report 1988**

Charlottetown : The Office, 1988. 72 p.  
CSI 62121.001.  
MICROLOG 90-04171 1 fiche

This report shows the particulars of business of each insurer doing business in the Province with comparative figures for the previous year in all types of insurance. Includes a list of licenced insurance companies and selected extracts from annual statements from insurance companies. Includes data on premiums, disbursements and claims made.  
AP CO PR ST

**Prince Edward Island. Pay Equity Bureau : Annual report 1988-89**

Charlottetown : Dept. of Labour, 1989. 10 p. CSI 62130.001.  
MICROLOG 90-00299 1 fiche

Provides background information on the Pay Equity Act, and presents a progress report on pay equity implementation including a review of education, monitoring, publications, and speaking engagements.  
AP LA PR

**Prince Edward Island. Public Utilities Commission : Annual report 1988-89**

Charlottetown : The Commission, 1989. 47 p. : ill. CSI 62122.001. ISBN 0-9694368-0-7  
MICROLOG 90-06333 1 fiche

This Commission regulates electric utilities, telephones, water and sewers, transportation of goods and passengers, and the sale, distribution and pricing of petroleum products. The annual report outlines the major activities and accomplishments of the Commission and its Motor Carrier, Petroleum, and Utilities divisions. Various statistics are included for each section.  
AP PA PR PW

**Prince Edward Island. Women's Division : Annual report 1989**

Charlottetown : The Division, 1989. 13, 13 p. Bilingual. CSI 61109.002.  
MICROLOG 90-04169 1 fiche

The mandate of the Division is to develop, coordinate and monitor an affirmative action program within the civil service of P.E.I. This annual report outlines the major activities and achievements of the Division during 1989.  
AP PR SA

**Prince Edward Island. Worker's Compensation Board : Annual report 1989**

Charlottetown : The Board, 1990. 26 p. CSI 62123.001  
MICROLOG 90-05281 1 fiche

Annual report presents data on the maximum earnings basis of compensation; percentage of earnings for computation of compensation; widow's/widower's pension; children's pension;

burial expenses and waiting period. A financial statement along with charts on: a comparison of claims, costs and assessments by years; nature and region of injury; the cause of the accidents conclude the document.  
AP LA PR ST

**Prince Edward Island : Financial report 1988-89**

Charlottetown : The Province, 1989. 24 p. : ill. CSI 66104.008.  
MICROLOG 90-02138 1 fiche

The report highlights the major aspects of the province's finances and presents summarized financial statements. It also discusses the economic situation in 1988-89.  
AP CO PR

**Prince Edward Island Advisory Council on the Status of Women : Annual report 1988-89**

Charlottetown : The Council, 1989. 20 p. CSI 62104.001.  
MICROLOG 90-00825 1 fiche

This annual report reviews meetings and consultations and presents conclusions and recommendations. It includes the Advisory Council on the Status of Women Act, and financial statements.  
AP PR SA

**Prince Edward Island Confederation Centre of the Arts : Annual report 1986-87**

Charlottetown : The Centre, 1987. 33 p. CSI 62144.001.  
MICROLOG 90-06562 1 fiche

The Centre is both a living memorial to confederation and a major, multifaceted cultural centre. This annual report provides the highlights of Centre activities on a department-by-department basis as well as the audited financial statements.  
AP CU PR

**Prince Edward Island Confederation Centre of the Arts : Annual report 1988-89**

Charlottetown : The Centre, 1989. 30, 31 p. Bilingual. CSI 62144.001.  
MICROLOG 90-04163 1 fiche

This annual report includes an overview of the major activities of all departments within the Centre as well as the audited financial statement for the year.  
AP CU PR

**Prince Edward Island Credit Union League : Annual report of credit unions, 1987-88**

Charlottetown : The League, 1988. 20 p. : ill. CSI 62105.001.  
MICROLOG 90-04174 1 fiche

This report contains data compiled from the operational returns of Credit Unions in the province for the period October 1, 1987 to September 30, 1988.  
AP CO PR

**Prince Edward Island Credit Union League : Annual report of credit unions, 1988-89**

Charlottetown : The League, 1989. 20 p. CSI 62105.001.  
MICROLOG 90-06540 1 fiche

This report contains data compiled from the operational returns of credit unions in the province for the year ending September 30, 1989. Consolidated data are given for all credit unions and for the League with comparisons to the previous year and the results for the fiscal year are then given for each individual credit union.  
AP CO PR

**Prince Edward Island Crop Insurance Agency : Annual report 1988-89**

Charlottetown : The Agency, 1989. 15 p. CSI 62106.001.  
MICROLOG 90-03598 1 fiche

The Agency is responsible for the administration of the Crop Insurance Act and Plans, and for conducting surveys and research programs relating to crop insurance. This annual report lists crop insurance programs for 1988-89, and includes a 1988 crop summary. It also contains financial statements.  
AG AP CO PR SC ST

**Prince Edward Island Crown Building Corporation : Annual report 1988-89**

Charlottetown : The Corporation, 1989. 8 p. CSI 62133.001.  
MICROLOG 90-04167 1 fiche

This annual report contains audited financial statements covering details of construction costs.  
AP PR PW

**Prince Edward Island Development Agency : Annual report 1989**

Charlottetown : The Agency, 1989. 20 p. : ill. Financial statements (8 p.) laid in. CSI 62131.001.  
MICROLOG 90-04157 1 fiche

The role of the Agency is to stimulate the growth of economic development and create long-term jobs by promoting new and expanded business. This annual report outlines the major activities and accomplishments of the Agency. It includes financial statements.  
AP CO PR

**Prince Edward Island Energy Corporation : Annual report 1988-89**

Charlottetown : The Corporation, 1989. 26 p. CSI 62134.001.  
MICROLOG 90-04172 1 fiche

The objectives of the Energy Corporation are to develop and promote energy systems on an economic and efficient basis and to coordinate all government programs in the establishment and application of energy systems in the province. This annual report outlines the major activities and accomplishments of the Corporation.  
AP EN PR SC

**Prince Edward Island fisheries statistical review, 1988**

by B. Williams. Charlottetown : Dept. of Fisheries, 1988. 74 p. : ill. CSI 61105.003.  
MICROLOG 90-00278 1 fiche

Booklet containing an overview of the fishery and data on fish landings and values, prices received, and exports of fish and fish products for various series of years from 1919 to the present. Seaplants are also included. Fish are divided into the categories of groundfish, pelagic and estuarial, mollusc and crustaceans, and miscellaneous and a glossary of the species is included.  
AP FI PR SC ST

**Prince Edward Island fisheries statistical review, 1989**

by B. Williams. Charlottetown : Dept. of Fisheries and Aquaculture, 1989. 70 p. : ill. CSI 61105.003.  
MICROLOG 90-06356 1 fiche

Statistical review for 1988 of Prince Edward Island fisheries presenting information on landings and values, and prices by species and by district. Species are divided into groundfish, pelagic and estuarial, molluscs and crustaceans, and lobsters. Data is presented both currently



and historically, from 1919 to the present.  
AP FI PR SC ST

**Prince Edward Island Food Technology Centre : Annual report 1989**

Charlottetown : The Centre, 1989. 17 p.  
CSI 62143.001.  
MICROLOG 90-04158 1 fiche

Annual report of the Centre, giving the corporate mandate and objectives, services provided, and affiliations. A description is also given of the construction of a new facility. A financial statement is included.  
AG AP PR SC

**Prince Edward Island Grain Elevators Corporation : Annual report 1988-89**

Kensington, P.E.I. : The Corporation, 1989. 16 p. CSI 62135.001.  
MICROLOG 90-06053 1 fiche

Annual report of the Corporation, which stimulates local feed grain production and markets food grain on the Island and throughout the Atlantic Provinces. Details are given on the number of producers and users of grain, and the volume of handlings and sales at each elevator. A financial statement is also included.  
AG AP CO PR SC ST

**The Prince Edward Island historical statistical review : a preview**

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1985. 18 p. : ill. (Economic trends ; no. 26)  
MICROLOG 90-04877 1 fiche

The purpose of the review is to provide a reference document on statistics across a wide range of subject matter for Prince Edward Island over long time series. This paper introduces the new document and provides a graphic portrayal of some of the material contained therein. It contains 89 tables covering Prince Edward Island statistics for most of the twentieth century, and in the case of basic population numbers it extends back to the early 18th century.  
AP CU PR

**Prince Edward Island Housing Corporation : Annual report 1988-89 with interim report to December 1989**

Charlottetown : The Corporation, 1989. 26 p. CSI 62107.001.  
MICROLOG 90-04170 1 fiche

This annual report reviews the highlights of 1988-89 and Corporation activities. It also includes an interim report and financial statements.  
AP PR SA

**Prince Edward Island Human Rights Commission : Annual report 1989**

Charlottetown : The Commission, 1989. 25 p. CSI 62108.001.  
MICROLOG 90-06607 1 fiche

The Commission has a mandate to investigate complaints of discrimination and to promote a program of public education which advances the principle that every person is free and equal in dignity and rights. The annual report discusses the province's Human Rights Act, includes brief career histories of the Commissioners, outlines highlights and statistics for the year, presents sample complaints and goals for the next year, and provides a discussion of political belief investigations.  
AP JU PR ST

**Prince Edward Island Land Development Corporation : Annual report 1988-89**

Charlottetown : The Corporation, 1989. 21 p. CSI 62109.001.  
MICROLOG 90-05282 1 fiche

Annual report of the Corporation, which assists efficient farm land reorganization and use by purchasing land for farm use and assisting farmers who require land by making this land available for sale or lease on reasonable terms. An overview of the year's activities is given, with more detailed data on purchases and other activities, including use of lands. A financial statement is included.  
AG AP PL PR SC ST

**Prince Edward Island Lending Authority : Annual report 1988-89**

Charlottetown : The Authority, 1989. 27 p. CSI 62110.001.  
MICROLOG 90-04381 1 fiche

The Authority provides capital and operating credit to the primary producers in the Province, particularly those of smaller size who cannot obtain financing elsewhere such as fishermen, farmers, tourist operators and small business persons. The annual report summarizes applications made and approved with disposition by sector. Includes data on loans written off, and financial statements.  
AP CO PA PR

**Prince Edward Island Liquor Control Commission : Annual report 1988-89**

Charlottetown : The Commission, 1989. 24 p. : ill. CSI 62111.001.  
MICROLOG 90-05267 1 fiche

The Commission provides for distribution of alcoholic beverages to the public while maintaining standards of customer service and securing revenues for the government. The annual report reviews alcohol consumption levels, data on sales and licensing activities, and also includes financial statements.  
AP CO PA PR ST

**The Prince Edward Island manufacturing employment survey**

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1984. 19 p. (Economic trends ; no. 23)  
MICROLOG 90-04876 1 fiche

This report summarizes the results of three manufacturing employment surveys conducted in 1979, 1981, and 1983. The results of the survey are discussed under the following subject areas: the response rate of the surveys; an analysis of the actual survey results with some discussion on the number of firms responding to the questionnaire and on the female, male, full-time and part-time employment; an examination of the ten largest employing firms from the 1983 survey discussing full-time, part-time, male and female employment; and a comparison of Statistics Canada's 1980 manufacturing data with the results of the 1981 Manufacturing Employment survey.  
AP CO LA PR

**Prince Edward Island Marketing Council : Annual report 1989**

Charlottetown : The Council, 1990. 7 p. CSI 62129.001.  
MICROLOG 90-04165 1 fiche

This annual report lists members of the Council and reviews the following industries: chicken, eggs, hogs, milk, pedigreed seed, the Plant Tissue Culture Commission, potatoes, tobacco, and the Vegetable Commodity Marketing Board. It also contains the annual report of the Natural Products Appeals Tribunal.  
AG AP CO PR

**Prince Edward Island Museum and Heritage Foundation : Annual reports 1988-89**

Charlottetown : The Foundation, 1989. 11 p. CSI 62139.001.  
MICROLOG 90-06597 1 fiche

Contains annual reports from the Publications Department, Genealogy Department, Eptek National Exhibition Centre, Green Park Shipbuilding, Basin Head Fisheries Museum, Orwell Corner, Government House Committee, The Heritage Endowment and Collections Department, as well as a report of the Exhibitions and Public Programs Divisions.  
AP CU PR

**Prince Edward Island Museum and Heritage Foundation : Financial statements 1988-89**

Charlottetown : The Foundation, 1989. 8 p. CSI 62139.002.  
MICROLOG 90-04164 1 fiche

The financial statements include a balance sheet; a statement of revenue, expenditure and fund balance; and notes to the financial statements.  
AP CO CU PR

**Prince Edward Island National Park : economic impact of non-resident visitor expenditures**

P.G. Whiting and Associates. Ottawa : Canadian Parks Service, Socio-Economic Branch, 1989. 60 p. : ill.  
MICROLOG 90-03136 1 fiche

Estimates the importance of the economic impacts of the Park visitors in relation to the economy of the province, as well as its overall tourism industry. It includes sections describing tourists to the province and to the National Park, and the method of analysis used to estimate the expenditures made by non-residents which are attributable to PEI National Park. Finally, it includes a presentation of the results of the analysis.  
AP CO CU PR

**Prince Edward Island School Trustees' Association : Annual report 1988-89**

Charlottetown : The Association, 1989. 42 p. CSI 62125.001.  
MICROLOG 90-00824 1 fiche

Describes the structure of the association and reports on the annual meeting. It includes a budget and special project reports.  
AP ED PR

**Prince Edward Island statistics : past and present**

Prince Edward Island. Dept. of Finance and Tourism. Economics, Statistics and Fiscal Analysis Division. Charlottetown : The Division, 1990. 87 p. CSI 61104.208.  
MICROLOG 90-07337 3 fiche

Provides a wide range of statistical information on the people, economy, and government of the province. The eighty-seven tables in this publication contain historical and recent data compiled at the provincial level. That data cover most of the 20th century and, in some tables, the information goes back even earlier.  
AP PA PR ST

**Prince Edward Island statistics : past and present : a preview**

Charlottetown : Dept. of Finance, Economics, Statistics and Fiscal Analysis Division, 1990. 22 p. (Economic trends ; no. 41)  
CSI 61104.204.  
MICROLOG 90-06760 1 fiche

This publication consists of statistical tables which present the Island's long term development. It focuses on population, the



labour force, economic indicators, and sectoral development. The tables in the publication contain data series covering much of the 20th century, and before in some cases. Data is complete up to 1989 where possible; census data is complete up to 1986.  
AP CO PR

# Prince Edward Island Teachers' Superannuation Commission : Financial statements 1988-89

Charlottetown : The Commission, 1989. 12 p.  
CSI 62128.001.  
MICROLOG 90-04166 1 fiche

Contains the report of the Auditor-General, a statement of investments, and reports of the Commission concerning membership, Act Amendments, superannuation application approved, and superannuates deceased.  
AP CO ED PR

# Les Principales formes juridiques de l'entreprise au Québec -- Nouv. éd.

Québec : Gouvernement du Québec, l'Inspecteur général des institutions financières, 1989. 40 p. ISBN 2-551-08513-6  
MICROLOG 90-01228 1 fiche

Cette brochure a pour but de décrire les principales formes juridiques que peut revêtir une entreprise au Québec. Elle porte une attention toute particulière aux points suivants: l'entreprise individuelle; la société civile; la société en nom collectif, la société en commandite; la société par actions (compagnie), et la coopérative.  
CO JU PR QU

# Les Principaux centres de recherche en santé du Québec

Québec : Gouvernement du Québec, Ministère de l'industrie et du commerce, 1988. 129 p. ISBN 2-550-18864-0  
MICROLOG 90-03411 2 fiche

L'information présentée dans ce document a été obtenue lors d'une enquête effectuée au cours du printemps 1988. Il décrit les principales activités des centres de recherche en santé du Québec qui représentent des opportunités de collaboration concrètes à court terme avec l'industrie pharmaceutique. Le document se penche particulièrement sur les centres suivants: les centres de recherches affiliés à l'Université Laval, à l'Université de Sherbrooke, à l'Université de Montréal, à l'Université Concordia, à l'Université McGill et à l'Université du Québec; le Conseil national de recherche du Canada (Institut de recherche en biotechnologie); le Conseil national de recherche du Canada (Institut de recherche en biotechnologie), et les Laboratoires bio-recherches limitée.  
HE LS PR QU SC

# Principaux résultats de l'étude sur l'hypertension artérielle au Canada

Ottawa : Santé et bien-être social Canada, 1989. iii, 13 p. Bibliogr. L'éd. anglaise (Main findings report of...) sur la même fiche. ISBN 0-662-95328-2  
MICROLOG 90-02202 1 fiche

Ce rapport présente un aperçu des résultats de l'étude sur l'hypertension au Canada, menée en 1985 par le ministère de la Santé nationale et du Bien-être social. Dans une perspective de santé publique, les résultats obtenus sont particulièrement importants sur les plans de la prévention, du traitement et du contrôle de l'hypertension artérielle. Ils servent de guide à l'élaboration de programmes et de politiques dans le contexte plus global de la promotion de la "santé cardio-vasculaire" au Canada.  
CA HE

# Principes de radioprotection au Canada

Canada. Comité consultatif de la radioprotection.

Ottawa : Commission de contrôle de l'énergie atomique, 1990. ii, 59 p. Bibliogr. (Rapport ; INFO-0340) L'éd. anglaise (Basic principles of radiation...) sur la même fiche. MICROLOG 90-05695 2 fiche

Le but principal de la radioprotection au Canada est d'assurer que les personnes, leurs descendants et toute l'humanité soient protégés contre le danger qui pourrait découler d'irradiations indues aux rayonnements ionisants. Ce rapport traite des principes fondamentaux de radioprotection et des organismes qui s'occupent de protection contre les rayonnements ionisants.  
CA EN HE SC

# Principes directeurs de l'évaluation immobilière : normes de Travaux publics Canada relatives à la rédaction des rapports d'évaluation -- Rév.

Ottawa : Travaux publics Canada, Services de l'immobilier, 1990. vi, 39, vi, 37 p. Bilingue (Guidelines for real...). ISBN 0-662-57269-6  
MICROLOG 90-03916 1 fiche

Ce rapport d'évaluation vise à permettre à une personne autre que l'évaluateur de décider, selon la valeur estimative qui y est citée, de l'achat, de la location ou de la cession de la propriété évaluée. Il porte particulièrement sur les normes relatives à la rédaction des rapports d'évaluation; et, les évaluations en vertu de la Loi sur l'expropriation.  
CA SA

# Principes ergonomiques : guide de base

par I. Stones. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. ii, 29 p. : ill. Bibliogr. L'éd. anglaise (Ergonomics...) sur la même fiche. ISBN 0-660-92675-X  
MICROLOG 90-02162 1 fiche

L'application des principes ergonomiques vise à créer des lieux de travail efficaces et à prévenir les problèmes de santé liés au travail grâce à une conception des tâches et à un lieu de travail appropriés. De plus, l'application permet au travailleur et aux membres du comité d'hygiène et de sécurité de comprendre les rapports qui existent entre le travailleur, le lieu de travail et les tâches. Ce document fait partie d'une série de publications sur l'ergonomie. Il s'agit d'une source d'information visant à aider les comités d'hygiène et de sécurité à inspecter les lieux de travail et à recommander les changements qui s'imposent. On trouvera dans ce document de courtes listes de vérification qui aideront à déceler les problèmes dans des lieux de travail précis. Les propositions d'améliorations sont données à titre d'exemple.  
• CA LA SC

# Principes ergonomiques applicables au poste de travail avec terminal à écran de visualisation

par I. Stones. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. ii, 11 p. : ill. Bibliogr. L'éd. anglaise (Ergonomics for workplaces...) : 90-03614/1. ISBN 0-660-92753-5  
MICROLOG 90-02161 1 fiche

Comme n'importe quel autre appareil, les terminaux à écran de visualisation (TEV) n'ont aucun effet nuisible lorsqu'ils sont utilisés de façon appropriée. Toutefois, s'ils sont mal utilisés ou mal ajustés par rapport à l'opérateur, ils peuvent donner lieu à de graves problèmes de santé et de sécurité. Pour résoudre ces problèmes, il suffit d'adapter le lieu et les conditions de travail aux besoins physiologiques et psychologiques de l'opérateur. Ce document constitue une source d'information pour ceux qui cherchent à comprendre et à réduire les risques que comporte le travail avec les

terminaux à écran de visualisation.  
• CA LA PS SC

# Principles and policies governing professional legislation in Alberta

Edmonton : The Province, 1990. 6 p.  
MICROLOG 90-06680 1 fiche

This document discusses the fundamental purpose of professional legislation; accountability and delegated self-governance; public representation; standards of competency and conduct; equitable procedures; scope of practice and right to title, and the role of the government.  
AL JU PR

# Principles of heritage conservation

by Judy Oberlander, Harold Kalman, Robert Lemon ; edited by Mary McKinnon. Victoria : Ministry of Municipal Affairs, Recreation and Culture, British Columbia Heritage Trust, 1989. 47 p. : ill. Bibliogr. (Technical paper series ; 9) ISSN 0229-9976 ISBN 0-7718-8768-X  
MICROLOG 90-04428 1 fiche

This document is a review of the approaches that can be taken and the principles that should be followed in conserving British Columbia's historic resources. It provides an historical perspective, and discusses levels of intervention, and maintenance of heritage buildings and sites.  
BC CU PR

# Principles of proposed legislation governing apprenticeship and occupational training

Edmonton : Alberta Career Development and Employment, 1990. 11 p.  
MICROLOG 90-06683 1 fiche

This document explains the background and outlines the major principles that would be embodied in the proposed new legislation governing apprenticeship and occupational training. Currently, apprenticeship and trade certification is administered through the Manpower Development Act.  
AL LA PR

# Priorités de la recherche forestière au Canada : survol à l'intention du Conseil canadien des ministres des Forêts

Conseil consultatif de la recherche forestière du Canada. Ottawa : Forêts Canada, 1989. iv, 11, iv, 10 p. Bilingue (Forest research priorities...). ISBN 0-662-56910-5  
MICROLOG 90-02965 1 fiche

Ce document se penche sur quatre domaines prioritaires généraux: l'aménagement des forêts en tant qu'écosystème intégré, le renouvellement des forêts; la protection des forêts; et, la fabrication de produits améliorés à partir des "nouvelles forêts".  
CA FO SC

# Priority substances list assessment report no. 1 : polychlorinated dibenzodioxins and polychlorinated dibenzofurans

Ottawa : Environment Canada ; Health and Welfare Canada, 1990. ix, 55 p. Bibliogr. French ed. (Liste des substances...) : 90-04997/1 At head of title: Canadian Environmental Protection Act. ISBN 0-662-17644-8  
MICROLOG 90-04998 1 fiche

The new Canadian Environmental Protection Act requires the Ministers of the Environment and of National Health and Welfare to prepare and publish a priority substances list that identifies substances, including chemicals, groups of chemicals, effluents and wastes which may be harmful to the environment or constitute a danger to human health. The Act requires the



federal Minister of the Environment and the Minister of National Health and Welfare to assess these substances and determine whether they are toxic as defined in Section 11 of the Act. This report assesses the toxicity of the first substances to be evaluated: polychlorinated dibenzodioxins (dioxins) and polychlorinated dibenzofurans (furans), two related families of chemicals. This report is a general summary of the key finds of previous reviews of these two chemicals, using this information as a basis for the assessment of toxicity.

• CA EV SC

### Prises d'oiseaux migrateurs, au Canada, pendant la saison de chasse de 1988

par D.C. Boersma. Ottawa : Service canadien de la faune, 1990. 42 p. (Cahiers de biologie ; no 190) L'éd. anglaise (*Migratory game birds...*) : 90-05535/1. CSI 22210 004F. ISSN 0703-0967 ISBN 0-662-96085-8 MICROLOG 90-06323 1 fiche

L'Enquête nationale sur les prises (ENP) et l'Enquête sur la composition des prises par espèce (ECPE) sont réalisées chaque année pour évaluer le nombre d'oiseaux migrateurs abattus par les chasseurs au Canada. Ce document présente les résultats d'un questionnaire dans lequel on demande aux chasseurs de fournir des renseignements sur le nombre, l'endroit et la date de leurs voyages de chasse, ainsi que sur les oiseaux migrateurs considérés comme gibier qu'ils ont abattus. Le questionnaire a été posté au début de décembre 1987 à des personnes choisies sur la liste des acheteurs de permis de chasse de ces oiseaux pour l'année en cours et les années précédentes. De plus, on fait état du nombre de chasseurs échantillonnés qui ont répondu à l'ENP, on compare ces chiffres à ceux des années précédentes, on présente les résultats du questionnaire de l'ENP, et on illustre le nombre de chasseurs échantillonnés qui ont répondu à l'ECPE de 1988.

• CA EV SC

### Private Colleges Accreditation Board (Alta.) : Annual report 1989-90

Edmonton : The Board, 1990. 9 p. Bibliogr. CSI 35208.001 MICROLOG 90-07219 1 fiche

The Board is empowered to make recommendations to the Minister of Advanced Education with respect to the approval of baccalaureate degrees that may be offered by Alberta private colleges. This annual report lists the Board members, and discusses the Board's policies and procedures. It also reviews administration, and communications

AL ED PR

### Private sector construction expenditures induced by selected national heritage locations in the Atlantic region

P.G. Whiting and Associates. The Outspan. Ottawa : Environment Canada, Canadian Parks Service, Socio-Economic Branch, 1989. 35 p. Bibliogr. MICROLOG 90-03146 1 fiche

This report presents the results of a study to estimate the induced investment effects of three national heritage locations. Prince Edward Island National Park; Cape Breton Highlands National Park, and the Fortress of Louisbourg National Historic Park. It develops a methodology and estimates the value of the proportion of public and private sector induced investments which could be considered attributable to these sites. It also contains information on the municipal building permit systems in Prince Edward Island and in Nova Scotia, a review of the methodology employed in this study for estimating the induced investments; and the

estimates themselves.

AP CO CU PR

### Private-sector construction in Banff, Jasper and Waterton National Parks in Alberta : economic impacts

prepared for Socio-Economic Branch, Canadian Parks Service, Dept. of the Environment ; by Thompson Economic Consulting Services. Calgary, Alta. : Thompson Economic Consulting Services, 1989. iii, 27 p. MICROLOG 90-02391 1 fiche

Examines private-sector development within these parks over the last five fiscal years from 1984-85 to 1988-89. It determines the impacts of this spending on the Alberta economy in terms of the increases in provincial employments, gross domestic product, and labour income resulting from the construction of these private-sector projects. It describes the methodology and information sources used to assess the economic impacts of private-sector spending, and includes a number of important assumptions about which types of spending are applicable. Finally, it presents the extent and impacts of the private-sector construction in each of the parks, and summarizes the overall findings of the analysis.

AL CO CU PR

### Le Problème de l'établissement des routes-horaires dans le transport routier de charges partielles

par T.G. Cranic, L. Delorme et J. Roy. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 89 p. : ill. Bibliogr. (Publication ; no. 536) (Publication ; no 20-89) MICROLOG 90-01412 2 fiche

Le plan de transport d'une entreprise de camionnage de charges partielles détermine les services et fréquences à offrir. Pour assurer le service de base et répondre à la partie stable de la demande, il faut établir un ensemble de routes-horaires régulières qui couvrent les services et qui respectent les lois, règlements et conventions régissant le travail des chauffeurs, tout en assurant la livraison à temps des marchandises au terminus de destination. L'objectif est de minimiser les coûts d'opération et d'assurer une utilisation efficace de l'équipement. Ce document examine les caractéristiques du problème et présente une approche de modélisation et de résolution basé sur des techniques de recouvrement d'ensembles. Les résultats des expérimentations effectuées à partir d'une application industrielle sont également présentés.

PR QU SC TR

### Problems and priorities for the 1990 federal budget : a survey of views from a C.D. Howe Institute pre-budget workshop

edited by William B.P. Robson. Toronto : C.D. Howe Institute, 1990. 12 p. (Fiscal policy monitor ; no. 4) ISSN 0843-641X ISBN 0-88806-254-0 MICROLOG 90-02803 1 fiche

This survey of the views of workshop participants highlights areas of consensus and disagreement among experts with regards to fiscal policy and the government's record since 1984

• BS CA CO PA

### The Problems of humid tropics : an opportunity for reassessment of hydrological methodology

by V. Klemes. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 28 p. (NHRI contribution ; no. 89026) ISSN 0838-1992 MICROLOG 90-06471 1 fiche

This paper addresses the subject of hydrology, its present parameters and the shifts which are necessary in changing from a local focus to a global focus. To advance hydrological methodology in the direction most useful to the needs of humid tropics, nonstationarity, macrohydrological processes and ecohydrology must be emphasized. Each of these aspects is discussed in detail and related to the change in training which must be undertaken.

CA EX PS SC

### Procedure and criteria for evaluating New Instrumental Measurement Method Principles (NIMMP) for the Municipal and Industrial Strategy for Abatement (MISA) program

Ontario. Ministry of the Environment, Laboratory Services Branch. Toronto : The Ministry, 1989. 7 p. ISBN 0-7729-6195-6 MICROLOG 90-05478 1 fiche

This protocol describes the procedure for the submission of proposals for new instrumental measurement method principles (NIMMP) for the Municipal/Industrial Strategy for Abatement (MISA) program. NIMMP refer to analytical principles not included in, or which differ from, the approved instrumental measurement method principles (IMMP), and alternate instrumental method principles, listed in Schedule 3, Part A and Schedule 3, Part B of Ontario Regulation 695/88 as amended to Ontario Regulation 533/89 under the Environmental Protection Act. The protocol covers the terms of reference, the proposal procedure, the documentation and data required, and the criteria for evaluation of documents and data.

EV ON PR SC

### A Procedure for the determination of the total gas content of coal

by D.A. Young. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1989. vi, 23 p. : ill. Bibliogr. (Report ; CRL 89-51(TR)) MICROLOG 90-00165 1 fiche

The Cape Breton Coal Research Laboratory environmental group is carrying out a study and survey of coal gas emissions in the Cape Breton Development Corporation's coal mines which includes identifying sources of coal gas and estimating the amount of gas released to the mines' ventilation network. This report presents the procedures used to determine the total gas content of coal, using a slightly modified direct method that employs the displacement of water in a graduated glass cylinder to measure the quantity of gas released from a coal sample enclosed in a sealed vessel. Samples were collected from various locations in the Phalen, Lingan and Prince mines from 1985-87.

• CA CM NR PS SC

### Procedure for water analysis of hydraulic fluids using the Karl Fischer apparatus

by K.J. Mintz. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. iii, 12 p. : ill. Bibliogr. (Report ; MRL 89-78(TR)) MICROLOG 90-00172 1 fiche

Hydraulic fluids are used extensively in underground mine equipment, but because of the possibility of fire, such fluids are required to be fire-resistant, using an oil-in-water emulsion, rather than the usual mineral oil. It is therefore essential that there be an accurate means of measuring the water content. A Metrohm automatic Karl Fischer titrator was used successfully for 3 years for measuring the water content of fire-resistant hydraulic fluids. This report describes the method, apparatus and procedure to be followed, including also a detailed analysis of possible errors.

• CA CM NR PS SC



### Procedures for collecting and processing British Columbia herring samples

by L. Hamer. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iii, 27 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2030). ISSN 0706-6473  
MICROLOG 90-02297 1 fiche

The Pacific herring roe fishery is one of B.C.'s largest fisheries both in value and tonnage landed. Management of this fishery is complicated by short openings and variable fishing locations. Herring samples provide data on length, weight, sex, maturity, and age, for use in annual stock assessments and forecasts, whose accuracy is therefore dependent on the accuracy of the information collected. This report describes the procedures for the collection, preservation and processing of herring samples.

• BC CA CF FI SC

### Proceedings of a Symposium on the Equipment/Silviculture Interface in Stand Establishment Research and Operations

R.F. Sutton and L.F. Riley, editors. Sault Ste. Marie, Ont. : Canadian Forestry Service, Great Lakes Forestry Centre, 1989. 191 p. : ill. Bibliogr. (Information report ; O-X-01) ISSN 0832-7122 ISBN 0-662-17513-1  
MICROLOG 90-04483 3 fiche

Proceedings of the symposium, covering engineering/biological/operational interactions; equipment/soil-site interactions; silvicultural prescriptions; and work study technique.

• CA FO SC

### Proceedings of the Royal Society of Canada, 1988 : fifth series, vol. III

Royal Society of Canada. Meeting (1988 : Windsor, Ont.). Ottawa : The Society, 1989. 67 p. Bibliogr. *Bilingual (Délibérations de la Société...)*. CSI 22317.002. ISSN 0080-4517  
MICROLOG 90-06825 1 fiche

The Royal Society of Canada is a national academy whose object is the promotion of learning and research in the arts and sciences. This annual report covers the year's activities, reports on the annual meeting and council activities, the presentation of awards, and the reports of the three separate academies. Also included are members of the council and the academies, the order of proceeding for the annual meeting, publications, and the address of the Honourable Frank Oberle, Minister of State for Science and Technology.

CA CU ED SC

### Proceedings of the Royal Society of Canada, 1989 : fifth series, vol. IV

Royal Society of Canada. Meeting (1989 : Ste-Foy, Que.). Ottawa : The Society, 1990. 78 p. Bibliogr. *Bilingual (Délibérations de la Société...)*. CSI 22317.002. ISSN 0080-4517  
MICROLOG 90-04467 1 fiche

The Society is a national academy whose object is the promotion of learning and research in the arts and sciences. This document lists the Officers and Executive Committee of the Society; the Officers of Academies; Members of Council; and Committees and Fellows. It also contains the report of the honorary secretary for the year 1988-1989.

CA CU ED

### Processing of selected New Brunswick gold resources

by R.D. Harris. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1990. iii, 34 p. : ill. Bibliogr. (Open

file report ; 90-3) ISSN 0712-4562  
MICROLOG 90-02659 1 fiche

Gold mineralization has been found in several areas of New Brunswick. This study assessed the processability of the Alcida deposit (held by Corona Corporation), the Cape Spencer deposits, and the Lake George gold occurrence (Durham Resources Inc.). These areas were selected on the basis of their accessibility as well as their potential as gold ore types. Leaching test work was conducted on the samples using sodium cyanide as the main leachant and brominated hydantoin (Bio-d) for specific samples; both rolls and column leaching techniques were used. Basic optical mineralogy and a suite of cursory gravity concentration tests were also completed for all samples from the 3 locations.

AP NR PR PS SC

### Processing studies of bitumens/heavy oils produced by recovery methods of a diverse nature : final report

by D.W. Soveran and E.N. Ogu. Saskatoon, Sask. : Saskatchewan Research Council, 1989. vi, 36 p. : ill. (SRC publication ; no. P-110-120-E-89) CANMET contract: 59222-01-SQ.  
MICROLOG 90-05656 1 fiche

Project to develop a database of the processing characteristics and product qualities of bitumens and heavy oils produced by a variety of recovery methods. Five 343C resid fractions, derived from Murphy Eyehill fireflood enhanced oil recovery (EOR) and primary production heavy oils, Cold Lake bitumen extracted from core, and Marguerite Lake bitumen produced by a combination of steam and fireflood EOR methods were used for the experiments. Both the desalted and undesalted versions of the Eyehill primary crude were evaluated. Feedstocks from the same or a similar bitumen/heavy oil production locale were evaluated under identical process unit operating parameters. Hydroprocessing experiments were performed to determine the degree of removal of contaminants (sulphur, nitrogen and trace metals), liquid product and gas yield distribution structure, conversion of resid (525C) fraction and to assess the response of each feedstock to typical hydrocracking conditions.

• CA CM EN MS PS SC

### Processus d'approbation des demandes d'aménagement et d'exploitation : pour un système d'aménagement plus efficace

Comité de direction formé du gouvernement, de l'industrie et de l'AMO. Toronto : Ministère du logement ; Ministère des affaires municipales, 1989. 21, 20 p. *Bilingue (The Planning and development...)*. ISBN 0-7729-5711-8  
MICROLOG 90-01142 1 fiche

Le rapport porte sur les conclusions et les recommandations du Comité de direction formé du gouvernement, de l'industrie et de l'AMO dont le but est d'améliorer le processus d'approbation des demandes d'aménagement et d'exploitation. L'objet du rapport est de fournir des renseignements sur les activités et les recommandations du comité; d'examiner les recherches sur la réforme de la réglementation dans les secteurs de la construction et de l'exploitation; d'identifier les processus qui peuvent être modifiés aux échelons provincial et municipal afin d'accélérer le processus d'approbation des demandes d'aménagement et d'exploitation; recommander au gouvernement provincial et aux administrations municipales des changements pour réduire de 50 pour 100 le délai normal d'approbation; et déterminer les sujets connexes qui devront faire l'objet d'études approfondies. Ce document constitue le rapport final sur le sujet.

ON PL PR

### Producing and developing thermal coal properties in British Columbia

by A. Matheson. Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1989. iv, 34 p. : maps. Bibliogr. (Open file ; 1988-23) ISSN 0835-3530 ISBN 0-7718-8686-1  
MICROLOG 90-06509 1 fiche

Description of the province's bituminous and subbituminous coals of East Kootenay, Peace River, Telkwa and Vancouver Island. Descriptions are given of coal seam development, reserves, coal preparation and production, markets and published contracts, and shipping specifications for each field in these areas. A general discussion of coal quality is also included.

BC EN NR PR SC

### Product and process development in the Canadian automotive sector

Ottawa : Industry Science and Technology Canada, Automotive Directorate, 1990. 49 p. : ill. Bibliogr.  
MICROLOG 90-05798 1 fiche

This paper attempts to establish a consensus concerning the state of product and process development in the automotive industry, focusing on problems and challenges faced. The paper was first circulated in July 1989 and this version incorporates comments made by industry and governments, and presents a generally accepted view of issues facing the Canadian automotive industry as it adapts to technological change. The report discusses innovation theory and activity; the general characteristics and level of R&D; the changing environment for the industry and its response; government programs, and international comparisons.

• CA SC TR

### The Product potential for Atlantic mackerel : an industrial survey

by W. Uebel. St. John's : Dept. of Fisheries and Oceans, Fisheries Research Branch, 1988. vi, 38 p. (Canadian technical report of fisheries and aquatic sciences ; no. 1708) ISSN 0706-6457  
MICROLOG 90-02241 1 fiche

A selected sample of the eastern Canadian fish processing industry and its trade organizations was surveyed to review the 1974/75 mackerel development program and to determine the current product potential for Atlantic mackerel. This report gives an overview of the survey and includes abstracts of the opinions expressed and comments made by processors on issues which are not necessarily directly related to the study objectives but which may have indirect bearing on the development of the mackerel resource.

• AP CA CF FI SC

### Les Producteurs de pierre dimensionnelle de l'Ontario : répertoire 90

Toronto : Ministère du développement du Nord et des mines, 1990. 16, 16 p. *Bilingue (Ontario dimensional...)*. ISBN 0-7729-6988-4  
MICROLOG 90-05587 1 fiche

Ce répertoire est consacré aux entreprises qui, en Ontario, exploitent des installations de production et de transformation de pierre dimensionnelle. On trouve des gisements exploitables d'excellente qualité sur tout le territoire de la province. Il présente les entreprises de l'Ontario qui extraient et qui transforment la pierre naturelle en pierre dimensionnelle - c'est-à-dire en un produit calibré utilisé principalement à des fins de construction, de réalisation de monuments, de pavage ou de décoration.

NR ON PR SC



## La Production des plants de légumes

par J.K. Muehmer ; avec l'aide et les conseils de R.E. Pitblado, C. Fisher. Toronto : Ministère de l'agriculture et de l'alimentation, 1989. 46 p. : ill. ISBN 0-7729-6164-6 MICROLOG 90-04865 1 fiche

Document se penchant particulièrement sur les points suivants: les structures de serres; les milieux de culture; les semences, le repiquage des plantules en serres, les contenants pour la culture des plants; la culture en mottes, la gestion de la serre; la lutte antiparasitaire; et, la plantation en plein champ.  
AG PR QU SC

## La Production du bleuët nain -- Rév.

par C.R. Blatt...et al. Ottawa : Agriculture Canada, 1989. 61 p. : ill. *L'éd. anglaise (Lowbush blueberry production)* : 90-02469/1. ISBN 0-662-95585-4 MICROLOG 90-02468 1 fiche

La production du bleuët nain au Canada est pratiquement limitée à l'est du pays, région dont le climat tempéré convient parfaitement à cette plante indigène. La majorité des bleuëtières ont été établies sur des terres agricoles abandonnées ou épuisées, en particulier en Nouvelle-Ecosse et au Nouveau-Brunswick. Au Québec, un grand nombre de bleuëtières ont pris la place d'anciens peuplements de pins gris. Le document examine particulièrement la production et la gestion, les mauvaises herbes; les maladies et les dommages, la récolte et l'entreposage.  
AG CA SC

## Production of genetically improved stockings of interior spruce : a grower's manual

by J. Russell and C. Ferguson. S.I. : Forest Resource Development Agreement, 1990. iii, 15 p. : ill. (FRDA report ; 110). *This is a joint publication of Forestry Canada and the British Columbia Ministry of Forests.* ISSN 0835-0752 ISBN 0-7726-1087-8 MICROLOG 90-05825 1 fiche

This manual describes the techniques needed for producing good quality interior spruce stockings (plantable rooted cuttings). The manual describes the production technique, the economics of using such cuttings and their genetic variability. A comparison is made between conventional seedlings and stockings. A glossary is included.  
• BC CA FO SC

## The Production of scallop seed

by T. Tanaka, A. Sato and K. Kawamura. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 8 p. (Canadian translation of fisheries and aquatic sciences ; no. 5295) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02119 1 fiche

Description of the production of scallop seed using mother shells selected from 3 sites in Mutsu Bay. The larvae were reared using running water instead of still water, which reduced the labour required and allowed the density to be increased. Flow rates were examined for success in raising the larvae in running water.  
• CA CF FI SC

by Y. Hayakawa, S. Nishiyama and T. Hondo. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 14 p. (Canadian translation of fisheries and aquatic sciences ; no. 5291) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02124 1 fiche

Report on the production of scallop seed in 1969, the second year of operations of the Centre, including the problems which appeared

in attempting ever larger amounts of seed.

• CA CF FI SC  
by T. Tanaka, A. Sato and K. Kawamura. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5294) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02121 1 fiche

In the past, the adults used for egg collection were mainly sown in Kawauchi. As their recent state of maturation became unsatisfactory, scallops which had been produced in the Funka Bay of Hokkaido, were also used. This was done to carry out artificial seed collection after the spawning season among the adults produced in the Mutsu Bay had ended. The method adopted for rearing was almost the same as that used in the past. This paper describes these experiments.  
• CA CF FI SC

## The Production of scallop seed in 1970

by Y. Hayakawa, S. Nishiyama and T. Hondo. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 6 p. (Canadian translation of fisheries and aquatic sciences ; no. 5292) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02123 1 fiche

Report on the production and gathering of scallop seed in 1970, including the rearing of the eggs collected and water control difficulties.  
• CA CF FI SC

## The Production of scallop seed in 1971

by Y. Hayakawa, S. Nishiyama and T. Hondo. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 11 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5293) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02122 1 fiche

Paper on tests conducted in 1971 on methods of rearing swimming larvae of scallops. The tests used 450 3-6 year old adults obtained through 8 collections carried out in Kawauchi from January to March. Four hundred adults were used for artificial spawning and assessment of gonadal maturity, and 50 for spawning control. Swimming larvae were reared in density of 1,000 individuals/litre, using various types of food and water temperatures. When the larvae reached attachment stage, they were transferred to the sea.  
• CA CF FI SC

## Production of scallop seed-spawning induction

by T. Tanaka, A. Sato and K. Kawamura. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 9 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5297) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02118 1 fiche

Description of the use of an ultraviolet lamp as an additional means of inducing spawning in scallops when used in conjunction with the traditional heating stimulus which gradually raises the temperature of seawater poured over the scallops.  
• CA CF FI SC

## The Production of seed of the scallop *hotategai*

by T. Tanaka, A. Sato and K. Kawamura. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 27 p. : ill. Bibliogr.

(Canadian translation of fisheries and aquatic sciences ; no. 5296) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02120 1 fiche

Report on studies made during the past year in the development of techniques for the production of scallop seed, covering the ripening of the gonads of scallops in Mutsu Bay, the spawning resulting from induction, rearing and transfer to the sea of free-swimming scallop larvae, and the early settling of cultivated spat and the growth of natural spat.

• CA CF FI SC

## Productivity measurement methods and tools

by R. Blake. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1987. 47 p. : ill. Bibliogr. *French ed. (Méthodes et outils de...)* 90-02317/1. ISBN 0-662-16255-2 MICROLOG 90-04204 1 fiche

Classification of tools and methods for measuring productivity. Each type of measurement is represented, starting with those based on activities, followed by those termed economic or administrative, and ending with those known as participative and/or normative. Each of these approaches is illustrated using two or three methods (tools), along with an explanation of objectives, a brief summary of the methodology and the advantages and disadvantages of each.  
CA PS SC

## Produits de l'érable, 1989

Québec : Bureau de la statistique du Québec, Statistiques agricoles, 1990. 10 p. CSI 67131.033 MICROLOG 90-03909 1 fiche

Données portant principalement sur la production, l'écoulement de la production, la classification du sirop vendu aux entreprises de conditionnement et les stocks détenus par ces dernières en début de saison. On y trouve également pour fins de comparaison certaines données statistiques des autres provinces aussi engagées dans l'exploitation de l'érable à sucre; ainsi qu'un état des exportations canadiennes.  
AG PR QU SC ST

## Les Professions futurs et l'adaptation de la main-d'oeuvre dans l'industrie canadienne des mines métalliques

préparé par le Système de projections des professions au Canada ; en collaboration avec l'Association minière du Canada. Ottawa : Emploi et immigration Canada, 1986. ix, 81 p. : ill. Bibliogr. (SPPC : études sectorielles) MICROLOG 90-00975 1 fiche

Le niveau d'emploi dans l'industrie canadienne des mines métalliques a chuté, passant d'approximativement 69 000 en 1981, à 51 000 en 1985. Ce rapport souligne la manière dont les changements au niveau de la concurrence internationale dans l'industrie de même que l'adoption de nouvelles technologies et de nouveaux procédés de production agissent sur la main-d'oeuvre canadienne des mines métalliques, et leurs incidences futures au cours des quatre ou cinq prochaines années et au-delà.  
CA LA

## Profil de l'industrie : aliments pour animaux

Ottawa : Industrie, sciences et technologie Canada, 1988. 7, 7 p. *Bilingue (Industry profile : animal...)*. CSI 21149.257. MICROLOG 90-00900 1 fiche

L'industrie des aliments pour animaux regroupe les établissements dont les activités principales sont la fabrication d'aliments complets, de



prémélanges (composés de vitamines, de minéraux et parfois de médicaments) et de suppléments alimentaires (composé de prémélanges et de concentrés protéiniques). L'industrie des aliments pour animaux dessert le marché intérieur local. Les exportations d'aliments en vrac sont presque entièrement limitées à des expéditions frontalières dans les États américains voisins. Elles proviennent surtout de l'Ontario et du Québec et représentaient 36 millions de dollars en 1986. Le document donne le profil de l'industrie des aliments pour animaux et en fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
AG CA SC ST

#### Profil de l'industrie : amidon

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : starch).* CSI 21149.225.  
MICROLOG 90-00476 1 fiche

Ce document donne le profil de l'industrie de l'amidon en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
AG CA CO SC ST

#### Profil de l'industrie : appareils électriques portatifs

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. : ill. *Bilingue (Industry profile : small...).* CSI 21149.228.  
MICROLOG 90-00479 1 fiche

Ce document donne le profil de l'industrie des appareils électriques portatifs en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO EN SC ST

#### Profil de l'industrie : appareils électroménagers

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 5, 5 p. : ill. *Bilingue (Industry profile : major...).* CSI 21149.241.  
MICROLOG 90-00492 1 fiche

Ce document donne le profil de l'industrie des appareils électroménagers en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO EN SC ST

#### Profil de l'industrie : arpentage et cartographie

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : surveying...).* CSI 21149.202.  
MICROLOG 90-00471 1 fiche

Ce document donne le profil de l'industrie de l'arpentage et de la cartographie en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO PS SC ST

#### Profil de l'industrie : articles en plastiques et en caoutchouc, matériel de fabrication

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : plastics...).* CSI 21149.232.  
MICROLOG 90-00483 1 fiche

Brochure donnant le profil de l'industrie des articles en plastique et en caoutchouc ainsi que du matériel de fabrication, et elle fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO SC ST

#### Profil de l'industrie : autobus

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 8, 7 p. *Bilingue (Industry profile : buses).* CSI 21149.261.  
MICROLOG 90-00903 1 fiche

L'industrie des autobus regroupe les constructeurs interurbains, de tourisme et d'autobus urbains, y compris les véhicules adaptés à des catégories spéciales d'utilisateurs telles les personnes handicapées. En 1986, cette industrie employait environ 2 900 personnes et ses expéditions étaient estimées à 259 millions de dollars. Les exportations entièrement destinées aux États-Unis se chiffraient à 133 millions. Ce document porte sur l'industrie de l'autobus et en fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA SC ST TR

#### Profil de l'industrie : automobiles

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 9, 9 p. : ill. *Bilingue (Industry profile : light...).* CSI 21149.243.  
MICROLOG 90-00494 1 fiche

Brochure donnant le profil de l'industrie automobile en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO SC ST TR

#### Profil de l'industrie : bijouterie

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. : ill. *Bilingue (Industry profile : jewellery).* CSI 21149.244.  
MICROLOG 90-00495 1 fiche

Brochure donnant le profil de l'industrie de la bijouterie en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO PS SC ST

#### Profil de l'industrie : brasseries

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. *Bilingue (Industry profile : brewing).* CSI 21149.260.  
MICROLOG 90-00902 1 fiche

L'industrie de la fabrication de la bière regroupe les établissements qui sont surtout spécialisés dans la macération, l'ébullition et la fermentation du malt et du houblon pour en faire des boissons à base de malt. Cette industrie produit divers types de bières: lager, ale, porter et stout, en bouteilles, en cannettes et en fûts, qui sont vendus aux consommateurs et à l'industrie de l'hôtellerie. Ce document traite de l'industrie des brasseries et en fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
AG CA SC ST

#### Profil de l'industrie : camions, poids lourds et véhicules tous terrains

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : on- and off-highway...).* CSI 21149.233.  
MICROLOG 90-00484 1 fiche

Brochure donnant le profil de l'industrie des camions, poids lourds et véhicules tous terrains, et elle fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO SC ST TR

#### Profil de l'industrie : construction : entrepreneurs généraux

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. *Bilingue (Industry profile : contracting...).* CSI 21149.263.  
MICROLOG 90-00905 1 fiche

Ce document donne le profil de l'industrie de la construction en portant une attention particulière aux entrepreneurs généraux. L'industrie de la construction regroupe les entreprises et les corps de métiers spécialisés dans la construction, la rénovation, la réparation et la démolition de bâtiments ou dans l'aménagement du territoire. Ce secteur compte environ 130 000 entreprises et 680 000 employés. En 1987, la valeur des projets s'élevait à environ 40 milliards de dollars, soit 51 p. 100 de la valeur totale des travaux de construction au pays. Les entrepreneurs généraux construisant des bâtiments résidentiels ou autres représentent 14 p. 100 de l'ensemble des entreprises de ce secteur et effectuent 20 p. 100 de l'ensemble des travaux.  
CA PL SC ST

#### Profil de l'industrie : construction navale

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : shipbuilding...).* CSI 21149.229.  
MICROLOG 90-00480 1 fiche

Ce document donne le profil de l'industrie de la construction navale en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO SC ST TR

#### Profil de l'industrie : distillerie

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. : ill. *Bilingue (Industry profile : distilling).* CSI 21149.250.  
MICROLOG 90-00821 1 fiche

Document donnant le profil de l'industrie de la distillerie en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement, et l'évaluation de la compétitivité.  
AG CA SC ST

#### Profil de l'industrie : édition

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 8, 8 p. : ill. *Bilingue (Industry profile : publishing).* CSI 21149.230.  
MICROLOG 90-00481 1 fiche

Ce document donne le profil de l'industrie de l'édition en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO SC ST TE

#### Profil de l'industrie : engrais chimiques

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 8, 8 p. *Bilingue (Industry profile : fertilizer).* CSI 21149.253.  
MICROLOG 90-00895 1 fiche

L'industrie canadienne des engrais regroupe les producteurs de 3 éléments nutritifs indispensables à la vie végétale, soit l'azote, le phosphore et le potassium, essentiels au maintien de la fertilité du sol. Au Canada, 17 producteurs primaires d'engrais exploitent 24 usines et emploient environ 7700 personnes. En 1986, environ 16,8 millions de tonnes d'engrais chimiques étaient produites au Canada, 4,3 millions étaient utilisées au pays et le reste était exporté. Le document examine l'industrie des engrais chimiques et fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
AG CA SC ST

#### Profil de l'industrie : enregistrements sonores

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : sound...).* CSI 21149.226.  
MICROLOG 90-00477 1 fiche



Ce document donne le profil de l'industrie des enregistrements sonores en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO PS SC ST

### Profil de l'industrie : entreprises vinicoles

Ottawa : Industrie, sciences et technologie Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : wineries)*. CSI 21149.248.  
MICROLOG 90-00474 1 fiche

Ce document donne le profil de l'industrie des entreprises vinicoles en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.

AG CA CO SC ST

### Profil de l'industrie : fils et câbles électriques

Ottawa : Industrie, sciences et technologie Canada, 1989. 7, 7 p. : ill. *Bilingue (Industry profile : electrical...)*. CSI 21149.249  
MICROLOG 90-00820 1 fiche

Document donnant le profil de l'industrie des fils et câbles électriques en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.

CA EN SC ST TE

### Profil de l'industrie : fonte et acier : fonderies

Ottawa : Industrie, sciences et technologie Canada, 1988. 6, 6 p. *Bilingue (Industry profile : ferrous...)*. CSI 21149.254.  
MICROLOG 90-00896 1 fiche

Au Canada, le secteur des fonderies de métaux ferreux regroupe les fonderies de fonte et d'acier qui produisent des pièces par le coulage du métal en fusion dans des moules où il refroidit et se solidifie lentement avant d'être extrait pour la finition et l'utilisation. En 1986, ce secteur regroupait 119 fonderies de fonte qui emploie 9900 personnes et 36 fonderies d'acier, avec 3200 personnes, soit un total de 13100 emplois. Même si dans chaque province il existe des fonderies de métaux ferreux, ces installations se trouvent surtout en Ontario, 52 p. 100 et au Québec, 21 p. 100. Le document donne le profil de l'industrie de la fonte et de l'acier-fonderies et donne la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.

CA NR SC ST

### Profil de l'industrie : imprimerie commerciale

Ottawa : Industrie, sciences et technologie Canada, 1988. 7, 7 p. *Bilingue (Industry profile : commercial...)* CSI 21149.262  
MICROLOG 90-00904 1 fiche

Ce document porte sur l'industrie de l'imprimerie commerciale qui regroupe les établissements spécialisés dans la production d'une grande variété d'articles imprimés destinés à tous les secteurs de l'économie, tels le matériel publicitaire et les formulaires commerciaux. En 1986, le nombre estimatif d'entreprises canadiennes dans ce secteur était de 2 900, avec quelque 3 125 installations et 57 000 emplois. La valeur des expéditions se chiffrait à environ 4,8 milliards de dollars. Cette industrie est surtout axée sur le marché intérieur. En 1986, les exportations s'élevaient à 180 millions de dollars, et les importations à 393 millions. Le commerce extérieur se fait surtout avec les États-Unis qui, en 1986, achetaient 89,1 p. 100 des exportations canadiennes et comblaient 79,7 p. 100 de nos besoins d'importation.

CA SC ST TE

### Profil de l'industrie : informatique

Ottawa : Industrie, sciences et technologie Canada, 1988. 12, 11 p. *Bilingue (Industry profile : computer...)*. CSI 21149.217  
MICROLOG 90-02034 1 fiche

En 1986, les 5 578 entreprises de cette industrie canadienne employaient environ 34 601 personnes et leurs revenus s'élevaient à quelque 2,85 milliards de dollars, répartis comme suit : services de traitement de données, 33 p. 100; services professionnels y compris le logiciel sur commande, 28 p. 100; revente, location et entretien de matériel informatique et autres revenus complémentaires, 27 p. 100. Ce profil présente les caractéristiques, le rendement et les perspectives d'avenir de l'industrie des services informatiques et du logiciel, comprenant ces 4 sous-secteurs ainsi qu'une cinquantaine d'entreprises spécialisées dans la location de matériel pour le traitement de données.

CA CO PS SC ST TE

### Profil de l'industrie : ingénieurs-conseils

Ottawa : Industrie, sciences et technologie Canada, 1988. 9, 9 p. *Bilingue (Industry profile : consulting...)*. CSI 21149.265.  
MICROLOG 90-00907 1 fiche

Ce document porte sur l'industrie canadienne des services d'ingénieurs-conseils. Cette industrie, en majeure partie sous contrôle canadien, regroupe des cabinets-conseils s'occupant surtout de fournir les services de génie liés à la conception et à l'exécution de projets d'immobilisations. En 1986, l'industrie des ingénieurs-conseils regroupait 3 500 sociétés employant 52 000 personnes. Elle a réalisé un chiffre d'affaires d'environ 3,42 milliards de dollars, dont quelque 450 millions, soit 13 p. 100, provenaient de projets exécutés à l'étranger. Les entreprises de ce secteur comptent en moyenne 15 employés, les plus petites en comptant un seul, les plus grandes, plus de 4 000. L'emploi se répartit comme suit : entreprises de 200 employés et plus, 40 p. 100, entreprises de 50 à 200 employés, 30 p. 100, entreprises de moins de 50 employés - les plus nombreuses - 30 p. 100 également.

CA PS SC ST

### Profil de l'industrie : jeux et jouets

Ottawa : Industrie, sciences et technologie Canada, 1988. 6, 5 p. : ill. *Bilingue (Industry profile : toys...)*. CSI 21149.216.  
MICROLOG 90-00472 1 fiche

Ce document donne le profil de l'industrie des jeux et des jouets en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.

CA CO ST

### Profil de l'industrie : machines-outils et outillage

Ottawa : Industrie, sciences et technologie Canada, 1988. 8, 8 p. : ill. *Bilingue (Industry profile : machine...)*. CSI 21149.242.  
MICROLOG 90-00493 1 fiche

Brochure donnant le profil de l'industrie des machines-outils et outillage en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.

CA CO PS SC ST

### Profil de l'industrie : malterie

Ottawa : Industrie, sciences et technologie Canada, 1988. 6, 6 p. : ill. *Bilingue (Industry profile : malting)*. CSI 21149.240  
MICROLOG 90-00491 1 fiche

Brochure donnant le profil de l'industrie de la malterie en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de

la compétitivité.  
AG CA CO SC ST

### Profil de l'industrie : matériel agricole

Ottawa : Industrie, sciences et technologie Canada, 1988. 7, 7 p. *Bilingue (Industry profile : agricultural...)*. CSI 21149.256  
MICROLOG 90-00899 1 fiche

L'industrie canadienne du matériel agricole regroupe les constructeurs d'une vaste gamme de machines agricoles : tracteurs à quatre roues motrices, moissonneuses-batteuses, lieuses, matériel aratoire, semoirs et diverses machines complexes servant à la récolte et à l'engrangement. En 1986, les expéditions de ce secteur, qui employait environ 8000 personnes, étaient évaluées à 623 millions de dollars, dont 495 millions, ou 79 p. 100, étaient destinés à l'exportation. De plus, en 1986, ce secteur comprenait 4 grandes entreprises à gamme complète, dont le siège social et les installations étaient situés en Ontario, ainsi que 218 fabricants spécialisés, dont 20 p. 100 au Québec, 36 p. 100 en Ontario; 38 p. 100 dans les Prairies et le reste en Colombie-Britannique et dans les provinces de l'Atlantique. Le document donne de l'information sur l'industrie du matériel agricole et en fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.

AG CA SC ST

### Profil de l'industrie : matériel de construction

Ottawa : Industrie, sciences et technologie Canada, 1988. 7, 7 p. *Bilingue (Industry profile : machinery...)*. CSI 21149.264.  
MICROLOG 90-00906 1 fiche

L'industrie canadienne du matériel de construction comprend 4 sous-secteurs dont le plus important, avec 90 p. 10 du marché intérieur, regroupe les constructeurs de machines servant au terrassement, tels que chargeurs, excavatrices, bulldozers et niveleuses. Les 3 autres sous-secteurs englobent les constructeurs de machines servant à l'asphaltage et à l'entretien des routes; des machines utilisées dans la fabrication du béton, notamment les bétonnières, les vibropondeuses et les usines à béton, et enfin d'équipement de voirie, tels les rouleaux compresseurs. Ce document donne le profil de l'industrie du matériel de construction. Au Canada, ce secteur compte environ 85 entreprises employant directement quelque 5 000 personnes. En 1986, les expéditions de cette industrie s'élevaient à 795 millions de dollars, les exportations à 415 millions et les importations à 1 309 millions.

CA PL SC ST

### Profil de l'industrie : matériel de laminage et de soudage

Ottawa : Industrie, sciences et technologie Canada, 1988. 6, 6 p. : ill. *Bilingue (Industry profile : metal...)*. CSI 21149.239.  
MICROLOG 90-00490 1 fiche

Brochure donnant le profil de l'industrie du matériel de laminage et de soudage en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.

CA CO PS SC ST

### Profil de l'industrie : matériel de manutention des fluides et matériel de transmission

Ottawa : Industrie, sciences et technologie Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : fluids...)*. CSI 21149.247.  
MICROLOG 90-00498 1 fiche

Brochure donnant le profil de l'industrie du matériel de manutention des fluides et du matériel de transmission, en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et



l'évaluation de la compétitivité.  
CA CO EN SC ST

### Profil de l'industrie : médicaments et produits pharmaceutiques

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 8, 7 p. : ill. *Bilingue (Industry profile : pharmaceuticals...)*. CSI 21149.234.  
MICROLOG 90-00485 1 fiche

Brochure donnant le profil de l'industrie des médicaments et des produits pharmaceutiques en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO LS SC ST

### Profil de l'industrie : métaux non ferreux, produits semi-finis

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : non-ferrous...)*. CSI 21149.236.  
MICROLOG 90-00487 1 fiche

Brochure donnant le profil de l'industrie des métaux non ferreux et des produits semi-finis en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO NR SC ST

### Profil de l'industrie : meunerie

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. *Bilingue (Industry profile : flour...)*. CSI 21149.252.  
MICROLOG 90-00894 1 fiche

La meunerie, ou industrie de la fabrication des farines, regroupe les entreprises dont l'activité principale est le broyage, en farine brute ou fine, du blé et d'autres céréales comme la maïs et l'avoine ainsi que, dans une moindre mesure, la préparation de divers mélanges à base de farine. A l'heure actuelle, le Canada compte 38 minoteries en activité, dont les filiales de plusieurs multinationales ainsi que deux minoteries intégrées à pâtes alimentaires et de céréales à déjeuner. La meunerie canadienne emploie au total 3000 personnes. Le document porte sur ce domaine et en fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
AG CA SC ST

### Profil de l'industrie : nickel, fusion et affinage

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 8, 8 p. : ill. *Bilingue (Industry profile : nickel...)*. CSI 21149.237.  
MICROLOG 90-00488 1 fiche

Brochure donnant le profil de l'industrie de la fusion et de l'affinage du nickel en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO NR SC ST

### Profil de l'industrie : oeufs, volaille et produits dérivés

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. : ill. *Bilingue (Industry profile : poultry...)*. CSI 21149.231.  
MICROLOG 90-00482 1 fiche

Cette brochure donne le profil de l'industrie des oeufs, de la volaille et des produits dérivés en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
AG CA CO SC ST

### Profil de l'industrie : panneaux dérivés du bois : construction

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 8, 8 p. *Bilingue (Industry profile : structural...)*. CSI 21149.220.  
MICROLOG 90-03284 1 fiche

L'industrie canadienne des panneaux dérivés du bois destinés à la construction se compose de 2 grands sous-secteurs, soit le contreplaqué de résineux et les panneaux de particules orientées ou panneaux OSB. Le placage de résineux, produit intermédiaire utilisé dans la fabrication du contreplaqué, est fabriqué par un certain nombre d'entreprises spécialisées de même que par des producteurs de contreplaqué. Ce document porte sur l'industrie canadienne des panneaux dérivés du bois destinés à la construction et donne la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement, et l'évaluation de la compétitivité.  
CA FO SC ST

### Profil de l'industrie : papier transformé

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. *Bilingue (Industry profile : converted...)*. CSI 21149.266  
MICROLOG 90-00908 1 fiche

Le sujet de ce document est l'industrie du papier transformé. Cette industrie regroupe 4 sous-secteurs d'activité spécialisés dans la fabrication des produits dont: les produits d'emballage, les produits pour les industries de services, les produits pour bureaux et commerces et papiers peints. En 1986, cette industrie, qui employait quelque 15 000 personnes, a expédié pour environ 1,89 milliard de dollars de marchandises. Cette industrie utilise comme matières premières le papier et certaines sortes de carton de qualités, d'épaisseurs et de grains différents.  
CA FO SC ST

### Profil de l'industrie : pâte de bois commerciale

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. : ill. *Bilingue (Industry profile : market...)*. CSI 21149.238.  
MICROLOG 90-00489 1 fiche

Brochure donnant le profil de l'industrie de la pâte de bois commerciale en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO FO SC ST

### Profil de l'industrie : pièces d'automobile

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 9, 9 p. *Bilingue (Industry profile : automotive...)*. CSI 21149.258.  
MICROLOG 90-00901 1 fiche

L'industrie canadienne de l'automobile regroupe les constructeurs de véhicules automobiles - voitures, camions, autobus et véhicules à usages spéciaux - ainsi que les fabricants de pièces détachées, y compris les pneus et les chambres à air, d'origine ou de rechange. En 1986, ce large éventail d'activités représentait environ 16 p. 100 des expéditions canadiennes de produits manufacturés et quelque 44 p. 100 des exportations - produits manufacturés et produits fini - vers les Etats-Unis. Cette industrie employait près de 148 800 personnes, dont 49 800 étaient affectées au montage des automobiles, des camions et des autobus, 16 600 à la construction de véhicules à usages spéciaux, 68 400 à la fabrication de pièces et 14 000 à la fabrication de pneus et de chambres à air. Le document donne le profil de l'industrie des pièces automobiles et en fournit les aspects suivants: la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA SC ST TR

### Profil de l'industrie : pneus et chambres à air

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 7, 7 p. *Bilingue (Industry*

*profile : automotive...)* CSI 21149.259.  
MICROLOG 90-00898 1 fiche

Le profil présenté dans ces pages fait partie d'une série de documents qui sont des évaluations sommaires de la compétitivité de certains secteurs industriels. Ces évaluations tiennent compte de facteurs clés, dont l'application des techniques de pointe, et des changements qui surviendront dans le cadre de l'Accord de libre-échange. Il traite la structure et rendement, les forces et faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA SC ST TR

### Profil de l'industrie : produits laitiers

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. *Bilingue (Industry profile : dairy...)*. CSI 21149.267.  
MICROLOG 90-00909 1 fiche

L'industrie laitière canadienne se subdivise en 3 grands groupes: les coopératives, environ 50 p. 100, soit des organisations gérées par des administrateurs professionnels choisis par les groupes d'agriculteurs propriétaires, les grandes sociétés à propriété publique, 35 p. 100, et les petites entreprises privées, 15 p. 100. En 1986, cette industrie canadienne, qui employait environ 25 505 personnes, a transformé 73,05 millions d'hectolitres de lait en une variété de produits dont la valeur s'élevait à près de 6,28 milliards de dollars. Ce document examine la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité dans l'industrie des produits laitiers.  
AG CA SC ST

### Profil de l'industrie : publicitaires

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. *Bilingue (Industry profile : advertising...)*. CSI 21149.255.  
MICROLOG 90-00897 1 fiche

La publicité est un moyen de communication dont la fonction première est de commercialiser, avec efficacité et persuasion, les produits et les services des producteurs aux consommateurs. Cette industrie canadienne peut se diviser en 4 sous-secteurs: les agences de publicité, les représentants des médias, les bureaux d'étalage et d'affichage publicitaires, et les autres services de publicité. Le chiffre d'affaires réalisé grâce à la vente de publicité par les médias donne certaines indications de l'importance du marché de la publicité; en 1987, il s'élevait à 7,7 milliards de dollars. La publicité dans les journaux compte pour 31 p. 100 de ce total; la radio et la télévision, 25 p. 100, la vente par catalogue et la publicité directe, 23 p. 100, les périodiques, 13 p. 100, les panneaux publicitaires et autres moyens, 8 p. 100. Le document donne le profil de l'industrie publicitaire et donne la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement, l'évaluation de la compétitivité.  
CA SC ST TE

### Profil de l'industrie : savon et produits de nettoyage

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 6, 6 p. : ill. *Bilingue (Industry profile : soap...)*. CSI 21149.227.  
MICROLOG 90-00478 1 fiche

Ce document porte sur l'industrie des savons et des produits de nettoyage et elle fournit la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO PS SC ST

### Profil de l'industrie : transformation des fruits et des légumes

Ottawa : Industrie, sciences et technologie  
Canada, 1988. 8, 8 p. : ill. *Bilingue (Industry profile : fruit...)*. CSI 21149.246.  
MICROLOG 90-00497 1 fiche



Brochure donnant le profil de l'industrie de la transformation des fruits et des légumes en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
AG CA CO SC ST

#### Profil de l'industrie : transitaires

Ottawa : Industrie, sciences et technologie Canada, 1988. 8, 8 p. *Bilingue (Industry profile : freight)*. CSI 21149.251  
MICROLOG 90-00893 1 fiche

L'industrie des services de transit regroupe les entreprises coordonnant un ensemble de services liés au transport et à la circulation des biens - emballage, entreposage, manutention, crédits à l'exportation, assurances, documentation et dédouanement - pour le compte des expéditeurs, en vue de la livraison des biens transportés par leur intermédiaire. En 1986, cette industrie canadienne regroupait 350 sociétés employant 6000 personnes réparties dans 1100 bureaux situés dans 160 villes. Le document donne également la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité dans l'industrie transitaire.  
CA SC ST TR

#### Profil de l'industrie : transport urbain

Ottawa : Industrie, sciences et technologie Canada, 1988. 8, 7 p. : ill. *Bilingue (Industry profile : guided...)*. CSI 21149.245  
MICROLOG 90-00496 1 fiche

Brochure donnant le profil de l'industrie des transports urbains en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO SC ST TR

#### Profil de l'industrie : trituration des oléagineux

Ottawa : Industrie, sciences et technologie Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : oilseed)*. CSI 21149.235  
MICROLOG 90-00486 1 fiche

Brochure donnant le profil de l'industrie de la trituration des oléagineux en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
AG CA CO SC ST

#### Profil de l'industrie : véhicules à usages spéciaux

Ottawa : Industrie, sciences et technologie Canada, 1988. 7, 7 p. : ill. *Bilingue (Industry profile : specialty...)*. CSI 21149.224  
MICROLOG 90-00475 1 fiche

Ce document donne le profil de l'industrie des véhicules à usages spéciaux en fournissant la structure et le rendement, les forces et les faiblesses, l'évolution de l'environnement et l'évaluation de la compétitivité.  
CA CO SC ST TR

#### Profil des banques de données au Gouvernement du Québec

par R. David et A. Martin. Québec : Gouvernement du Québec, Ministère des communications, Direction générale des technologies de l'information, 1989. 130 p. ISBN 2-550-20129-9  
MICROLOG 90-01131 2 fiche

Document fournissant une description des banques de données (typologie des contenus, restriction à la diffusion), et se penche sur la production et la diffusion des banques de données (production à l'interne ou à l'externe, clientèle visée par les banques et tarification des informations).  
PR QU SC TE

#### Profil des ressources humaines de l'industrie des pâtes et papiers

préparé par Emploi et immigration Canada, Politique stratégique et planification, Perspectives du marché du travail et analyse structurelle : avec la collaboration du Service canadien des forêts, Direction du développement du marché du travail forestier. Ottawa : Emploi et immigration Canada, Politique stratégique et planification, Perspectives du marché du travail et analyse structurelle, 1987. 62 p. *L'éd. anglaise (Human resources profile...paper section...)*. 90-00693/1.  
MICROLOG 90-00694 1 fiche

Une série d'entrevues menées en novembre et décembre 1986 avec des représentants d'entreprises, de syndicats et d'associations oeuvrant dans le secteur des pâtes et papiers ont permis de recueillir leurs opinions sur les renseignements présentés dans ce document. Le rapport donne un profil de l'industrie des pâtes et papiers et offre des prévisions quant à ses possibilités d'avenir. Les besoins futurs du secteur en matière de main-d'oeuvre sont ensuite calculés à partir de ces prévisions. L'objectif du document est de servir de guide pour la planification des ressources humaines, à moyen terme, c'est-à-dire jusqu'en 1992.  
CA FO LA SC

#### Profil des ressources humaines de l'industrie des produits en bois massif

préparé par Emploi et immigration Canada, Politique stratégique et planification, Perspectives du marché du travail et analyse structurelle : en collaboration avec le Service canadien des forêts, Direction du développement du marché du travail forestier. Ottawa : Emploi et immigration Canada, Politique stratégique et planification, Perspectives du marché du travail et analyse structurelle, 1987. v, 67 p. *L'éd. anglaise (Human resource profile...solid wood...)*. 90-00772/1.  
MICROLOG 90-00692 1 fiche

L'industrie des produits en bois massif occupe une place importante sur la scène économique canadienne, avec ses 3 500 établissements et ses 110 000 emplois directs. L'objectif de ce document est de servir de guide pour la planification des ressources humaines, à moyen terme, c'est-à-dire jusqu'en 1992. Il donne un profil de l'industrie des produits en bois massif et offre des prévisions quant à ses possibilités d'avenir. Les besoins futurs du secteur en matière de main-d'oeuvre sont ensuite calculés à partir de ces prévisions.  
CA FO LA SC

#### Profil des ressources humaines de l'industrie du papier et des activités connexes

préparé par Emploi et immigration Canada, Politique stratégique et planification, Perspectives du marché du travail et analyse structurelle : avec la collaboration du Service canadien des forêts, Développement du marché du travail. Ottawa : Emploi et immigration Canada, Politique stratégique et planification, Perspectives du marché du travail et analyse structurelle, 1987. vi, 55 p. : ill. Bibliogr. *L'éd. anglaise (Human resource profile...paper...)* sur la même fiche.  
MICROLOG 90-00773 2 fiche

Le rapport trace un profil de l'industrie du papier et des activités connexes et présente les projections des éventuelles orientations que ce secteur pourra prendre dans les années à venir. La projection des besoins futurs par profession dans l'industrie du papier est donc liée au rendement anticipé de cette dernière. Le rapport donne la définition et le profil de l'industrie, les principaux problèmes, les perspectives de l'industrie du papier et des

activités connexes et les renseignements sur l'emploi et les professions.  
CA FO LA SC

#### Profil économique : région du Restigouche, 1989

Campbellton, N.-B. : Commission industrielle du Restigouche inc., 1989. 17, 17 p. : cartes géogr. *Bilingue (Economic profile : Restigouche...)*  
MICROLOG 90-00263 1 fiche

Cette publication fournit un compte-rendu de l'histoire économique, des gens, de l'industrie et des ressources de la région, y compris les infrastructures. On y fournit un recueil d'information pertinente dont y sont particulièrement traités les points suivants : les ressources naturelles; le climat; la population; la main d'oeuvre; les salaires; l'éducation; l'énergie électrique; le téléphone et la télécommunication; les services financiers; les médias de communication; l'impôt foncier, les infrastructures industrielles; la Commission industrielle du Restigouche Inc.; et le tourisme.  
AP CO PA PR

#### Profil socio-économique de la région de Restigouche-Ouest : rapport final

par P. Poulin. Fredericton : Bibliothèque de l'Assemblée législative, 1989. v, 91 p. Bibliogr.  
MICROLOG 90-01596 2 fiche

La population de Restigouche-ouest est en hausse de 5,2% depuis 1976 alors qu'elle est en baisse de 6,6% dans le reste du comté de Restigouche. Les hommes y sont majoritaires et on estime qu'environ 426 femmes ont quitté la région entre 1981 et 1986. La population y est plus jeune que celle de Restigouche ou de la province. La population est très largement francophone (82,2%) et les diverses communautés sont très homogènes à ce point de vue, le groupe anglophone étant concentré dans l'une des sous-régions de Restigouche-ouest. La proportion d'analphabètes fonctionnels y est importante et oscille entre 32,2% et 47,3% selon les diverses communautés. Ce document fait la lumière sur la région de Restigouche-ouest.  
CO PA PR QU

#### Profil statistique des personnes vivant avec une incapacité en Ontario, vol. II

Toronto : Office des personnes handicapées, 1990. 25, 25 p. : ill. *Bilingue (Statistical profile of disabled...)*. CSI 55140.200. ISBN 0-7729-6557-9  
MICROLOG 90-07074 1 fiche

Ce document est le deuxième volume de renseignements statistiques sur les Ontariens ayant une incapacité que publie l'Office des personnes handicapées. Comme le document précédent, il donne un moyen d'identifier les questions importantes et d'évaluer les améliorations apportées à la situation des personnes ayant une incapacité. Les renseignements présentés sont basés sur les résultats des enquêtes nationales effectuées par Statistique Canada. Cinq types d'établissements y sont particulièrement visés, soit : les orphelinats et maisons d'enfants; les foyers de soins médicaux et établissements pour personnes âgées ou malades chroniques; les centres hospitaliers; les établissements psychiatriques; et les centres de traitement et établissements pour handicapés physiques.  
ON PR SA ST

#### A Profile of the Manitoba dairy industry

by C.H. McNaughton. Winnipeg : Manitoba Agriculture, 1989. 6 p.  
MICROLOG 90-01445 1 fiche

Description of the dairy industry in Manitoba, covering production, processing, marketing, supply management, and institutions involved.  
AG MS PR SC



**Profile of women in the Ontario municipal labour force**

Toronto : Ministry of Municipal Affairs, 1989. iii, 98, iii, 99 p. : ill. *Bilingual (La Situation des femmes...)*. ISBN 0-7729-6296-0  
MICROLOG 90-03207 3 fiche

This report describes the Ministry of Municipal Affairs' Municipal Employment Equity Program and its participants, and provides background information on this and the previous survey. It also presents an analysis of the data, together with tables and graphs which represent the data by municipal population groupings.  
LA MU ON PR SA

**The Profitability study into fish farms in 1983**

by G. Nybo. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 12 p. (Canadian translation of fisheries and aquatic sciences ; no. 5184) *Originally published in Norwegian* ISSN 0704-3716  
MICROLOG 90-00068 1 fiche

Summary of the results of a study into the profitability of fish farms in Norway, based on information drawn from accounts of 116 farms, out of a total of 362, which carried out production of edible fish and had sales in 1983. Farms with a production capacity under 500 cubic metres are not included. Results are first given for all of Norway, then by size of farm and geographic area. A glossary of terms is included.

• CA CF CO FI SC

**Profitability study of fish farming enterprises, 1982**

by S. Kalstad. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 35 p. (Canadian translation of fisheries and aquatic sciences ; no. 5224) *Originally published in Norwegian, by the Directorate of Fisheries, at Bergen, Norway* ISSN 0704-3716  
MICROLOG 90-02685 1 fiche

Results of a study on the profitability of fish farming undertaken in 1982, based on questionnaires from 106 selected fishbreeding enterprises in Norway out of a total of 304. Financial and other data was collected from enterprises with a capacity of over 500 cubic metres, concentrating on the breeding of food fish. Data is given as national averages, regional averages, and earnings potential per man-year for individual enterprises.

• CA CF FI SC

**Profitability, employment and fleet adjustment**

by J.S. Johnsen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 137 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5260) *Originally published in Norwegian, by the Research Institute for Fisheries Technology at Tromsø.* ISSN 0704-3716  
MICROLOG 90-02731 2 fiche

The profitability of the Norwegian fisheries industry has decreased steadily since 1964 as illustrated by increasing annual subsidies. This report presents an analysis of a fish processing plant and the permanent onshore and offshore fleet that services it. The trawlers are owned by the industry, but the rest of the fleet is legally independent of the industry. A model was produced to achieve the highest possible marginal revenue for both fleet and processing industry as one unit. The production costs of the industry are considered fixed, while the fleet structure and the costs of fishing are considered variable elements. Employment intensity was calculated and compared for the inshore (seine and net) fleet and the offshore trawlers. Long-term storage

of pollock and re-freezing are used to achieve a balanced year-round production, the costs of which are calculated. Total financial results and employment figures were calculated for 5 different production strategies.  
• CA CF FI SC

**Program and summaries : seventh annual open house and review of activities, November 30 and December 1, 1983**

Nova Scotia. Dept. of Mines and Energy. Halifax : The Dept., 1983. ix, 123 p. : ill., maps. Bibliogr. (Information series ; no. 6)  
MICROLOG 90-06647 2 fiche

Reviews the Mineral Development Division, the Geological Survey Division, the Energy Resources Division, and University Geology Departments in various eastern Universities. The major point of this document is onshore exploration. A special symposium on a two-year research program to provide a better understanding of the gold mining potential of Nova Scotia, increased exploration for this metal.

AP NR PR

**Program delivery in a period of declining enrolment, 1975-84 : a study of replicable coping strategies used in small secondary schools, particularly in northwestern Ontario**

by R.W. McLeod, J.D. Bates and L.L. Kortweg. Toronto : Ministry of Education, 1988. x, 157 p. ill. Bibliogr. CSI 55108.204. ISBN 0-7729-3910-1  
MICROLOG 90-04125 2 fiche

This study documents and describes how small secondary schools in northern Ontario have coped with program delivery as their student numbers declined.

ED ON PR ST

**Program for Transportation of the Mobility Disadvantaged in Rural Manitoba : Annual report 1988**

Winnipeg : Manitoba Highways and Transportation, 1989. 15 p. : ill. CSI 41114.006.  
MICROLOG 90-02933 1 fiche

Contains information on types of service, and reviews a study of user needs and benefits, the operators' conference, operating data, program trip purposes, and grant payments for 1988/89.

MS PR SA SC ST TR

**Program outline for egg and larval investigations and continuation of impact evaluation of damages by potential oil accidents on the most important fish species north of 62°N**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 15 p. (Canadian translation of fisheries and aquatic sciences ; no. 5125) *Originally published in Norwegian, by the Institute of Marine Research at Bergen, Norway.* ISSN 0704-3716  
MICROLOG 90-00055 1 fiche

In 1982, the Norwegian Institute of Marine Research was asked to analyze the long-term consequences with respect to the quantity and value on Norwegian-Arctic cod of an oil spill on Tromsøfaket, the Traena Bank and the Halten Bank. This report presents information on the establishment of the program, the material already known on the relationship of oil spills and the eggs and larvae of the cod, and the areas in which more information is needed. A program outline, with cost estimates, is also included.

• CA CF EV FI SC

**Le Programme canadien d'immigration**

par M. Young. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. ii, 40 p. (Etude générale, BP-190F) *L'éd. anglaise (Canada's immigration program) sur la même fiche.* ISBN 0-660-92695-4  
MICROLOG 90-01914 1 fiche

Le programme d'immigration du Canada se fonde sur la 'Loi sur l'immigration' modifiée tout dernièrement par les projets de loi C-55 et C-84 relatifs aux réfugiés. Deuxièmement, il est régi par les règlements, la législation subordonnée promulguée par le gouverneur en conseil en vertu des pouvoirs prévus dans la Loi. Troisièmement, il est régi par les quatre composantes du Guide d'immigration, dont trois sont à la disposition du public. Ce guide porte sur la Loi sur l'immigration et contient des directives et des instructions très détaillées destinées aux responsables de l'administration du programme. On se penche particulièrement sur les points suivants: les catégories d'immigrants, le rôle des provinces; l'Accord du Lac Meech, et, les visas de visiteurs.  
CA EX PA

**Programme canadien de prêts aux étudiants : Rapport annuel 1987-88**

Ottawa : Secrétariat d'Etat, 1989. v, 96, v, 88 p. *Bilingue.* CSI 22121.001. ISBN 0-662-56625-4  
MICROLOG 90-00555 3 fiche

Rapport annuel portant sur le Programme canadien de prêts aux étudiants pour l'année de prêt allant du 1er août au 31 juillet 1988 et comprenant les tableaux complets pour les années de prêt de 1985-1986 et de 1986-1987. Ces tableaux permettent d'établir des comparaisons dans la prestation et le remboursement des prêts d'études sur une période de trois ans. Finalement, on y donne des renseignements sur le rôle des gouvernements provinciaux et territoriaux; le Programme; et les statistiques pour l'année de prêt 1987-1988.  
CA CO ED ST

**Le Programme Contact Plus au ministère de la Main-d'oeuvre et de la Sécurité du revenu**

par M.-P. Dubé et H. Garneau. Québec : Gouvernement du Québec, Conseil du trésor, Centre pour le développement de la productivité dans le secteur public, 1987. 27 p. : ill. (Innovation et administration publique ; no 5) ISBN 2-550-17204-3  
MICROLOG 90-04808 1 fiche

'Contact Plus' est un programme de consolidation et de gestion de la qualité du services aux clients. Le document se penche sur le diagnostic/la programmation; la mise en application, l'évaluation/la relance; l'implantation dans le ministère, les retombées du programme; et, la conclusion. De plus, le document présente des entrevues avec des employés du MMSR qui ont vécu le programme 'Contact Plus'.  
LA PA PR QU

**Programme d'analyse des troupeaux laitiers du Québec : option 'régulier', option 'officiel', option 'postal' : rapport sommaire, 1988**

Québec : Gouvernement du Québec, Ministère de l'agriculture, des pêcheries et de l'alimentation, Direction des productions animales, 1989. 57 p. CSI 66103.007. ISBN 2-550-19895-6  
MICROLOG 90-03346 1 fiche

Ce document présente les principales statistiques du programme d'analyse des troupeaux laitiers du Québec (PATLQ). On y retrouve des données compilées par race, par région agronomique et par option de contrôle laitier. Deux autres tableaux résumant les



principales statistiques du R.O.P. pour le Québec ont été ajoutés afin de donner au document une vue d'ensemble du contrôle laitier dans la province  
AG PR QU SC ST

### Programme d'appui aux sciences du sport : politique et lignes directrices, 1990-91

Ottawa : Condition physique et sport amateur, 1989. 24, 22 p. *Bilingue (Sport science support program...)*. ISBN 0-662-57016-2  
MICROLOG 90-02892 1 fiche

Le Programme veut encourager la collaboration des scientifiques du sport dans le système des sports de haute performance du Canada non seulement pour évaluer l'athlète, mais aussi pour servir de ressources permanentes auprès des entraîneurs et des athlètes lorsqu'il s'agit d'interpréter les résultats des tests et de les incorporer aux programmes de formation quotidienne des athlètes de haute performance. Ce document fait la lumière sur le Programme d'appui aux sciences du sport.

• CA CU PA

### Le Programme d'égalité en matière d'emploi à l'intention des femmes de la fonction publique du Nouveau-Brunswick : Rapport annuel 1986

Fredericton : Direction générale de la condition féminine, 1987. ii, 44 p. : ill. *CSI 45123 003F*  
ISSN 0835-4928  
MICROLOG 90-02271 1 fiche

Ce document présente le rapport annuel sur le Programme d'égalité en matière d'emploi à l'intention des femmes. Il passe en revue l'année civile allant du 1er janvier au 31 décembre 1986, et fait également état de certains changements qui se sont produits dans le statut professionnel des femmes au cours de l'année civile 1985. Il décrit particulièrement les changements survenus dans les secteurs où les femmes sont peu représentées.  
AP JU PR SA ST

### Le Programme d'égalité en matière d'emploi à l'intention des femmes de la fonction publique du Nouveau-Brunswick : Rapport annuel 1989

Nouveau-Brunswick. Direction générale de la condition féminine. Fredericton la Direction, 1990. 63 p. : ill. *CSI 45123 003* ISSN 0835-491X  
MICROLOG 90-06355 1 fiche

La Direction a reçu le mandat de proposer, d'élaborer et d'analyser des lignes de conduite qui s'appliquent à l'emploi et à l'avancement des femmes dans la fonction publique. Ce rapport annuel pour l'année 1989 passe en revue les réalisations du Programme d'égalité en matière d'emploi et fait état des changements dans les secteurs où les femmes sont peu représentées. Les ministères, commissions et organismes suivants sont des éléments de la fonction publique aux fins du Programme. Affaires municipales et Environnement, Agriculture, Aide au revenu, Approvisionnement et Services, Bureau du contrôleur, Commerce et Technologie, Commission de l'alcoolisme et de la pharmacodépendance, Commission de l'hygiène et de la sécurité au travail, Conseil de gestion, Education, Enseignement supérieur et Formation, Finances, Justice, Pêches et Aquaculture, Ressources naturelles et Énergie, Santé et Services communautaires, Solliciteur général, Tourisme, Loisirs et Patrimoine, Transports et Travail.  
AP LA PA PR SA ST

### Le Programme d'élimination de l'arriéré : aperçu du programme

Ottawa : Emploi et immigration Canada, 1989. 4, 4 p. *Bilingue (Backlog clearance program...)*.  
MICROLOG 90-03637 1 fiche

Le Programme d'élimination de l'arriéré se fonde sur le nouveau système de détermination du statut de réfugié. Plus précisément, un arbitre et un membre de la Commission de l'immigration et du statut de réfugié (CISR) déterminent si les demandes des personnes qui ont revendiqué le statut de réfugié ou manifesté leur intention de le faire avant le 1er janvier 1989 reposent sur un minimum de fondement. Cette brochure donne un aperçu du programme en fournissant de nombreux détails importants.  
CA EX

### Le Programme d'estimation de la consommation de carburant du parc de voitures de tourisme : exemples d'application

Ottawa : Transports Canada, Sécurité routière, 1989. iii, 23, iii, 19 p. : ill. *Bibliogr. Bilingue (Passenger car fleet...)*.  
MICROLOG 90-04491 1 fiche

Ce rapport démontre quatre applications typiques d'un logiciel pouvant estimer la consommation en carburant du parc d'automobiles et conçu par le Bureau des Conseillers en Gestion pour Transport Canada. Ce logiciel a été utilisé pour déterminer l'effet de plusieurs facteurs sur la demande globale en carburant pour les automobiles au Canada. Les facteurs qui ont été étudiés comprennent un changement dans la vitesse moyenne et du volume de circulation sur les routes de la ville, un changement de la vitesse moyenne sur les routes rurales et les autoroutes, l'amélioration de certaines caractéristiques du véhicule et un changement dans le pourcentage de conduite fait avec chaque classe de véhicules.  
CA SC TR

### Programme d'évaluation des porcs commerciaux : résultats d'épreuve, test no 7

préparé par François Rousseau ; en collaboration avec Robert Bilodeau, Robert Fillion, Yvan Savoie. Québec : Ministère de l'agriculture, des pêcheries et de l'alimentation, Service des productions animales, 1989. ii, 67 p. : ill. ISBN 2-551-12142-6  
MICROLOG 90-02071 1 fiche

Ce rapport fait état des résultats obtenus lors du septième test d'évaluation des porcs commerciaux. Le principe de l'épreuve est de comparer entre eux des échantillons de porcs en provenance d'élevages de porcs et dans des conditions homogènes de milieu. La comparaison s'effectue sur trois groupes de critères : les performances d'engraissement, le rendement de la carcasse et la qualité de la viande.  
AG PR QU SC

### Programme d'évaluation des porcs commerciaux : résultats d'épreuve, test no 8

préparé par François Rousseau ; en collaboration avec Robert Bilodeau, Robert Fillion, Yvan Savoie. Québec : Ministère de l'agriculture, des pêcheries et de l'alimentation, Service des productions animales, 1989. 11, 67 p. : ill. ISBN 2-551-13143-4  
MICROLOG 90-02072 1 fiche

Ce rapport fait état des résultats obtenus lors du huitième test d'évaluation des porcs commerciaux. Le principe de l'épreuve est de comparer entre eux des échantillons de porcs en provenance d'élevages commerciaux et dans des conditions homogènes de milieu. La comparaison s'effectue sur trois groupes de critères : les performances d'engraissement, le rendement de la carcasse et la qualité de la viande.  
AG PR QU SC

### Programme de doctorat en océanographie de l'Université du Québec (UQAR)

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1989. 9 p. (Avis ; no 89.6)  
ISSN 0709-3985 ISBN 2-550-20235-X  
MICROLOG 90-00931 1 fiche

En plus, de présenter le programme, ce document en fait l'identification, donne l'état de la situation et forme des recommandations.  
ED NR PR PS QU SC

### Programme de maîtrise en informatique de gestion de l'Université du Québec (UQAM)

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1989. 10 p. (Avis ; no 89.5)  
ISSN 0709-3985 ISBN 2-550-20234-1  
MICROLOG 90-00932 1 fiche

Ce document identifie le programme, fait l'état de la situation, fait l'examen du troisième rapport d'évolution et du dossier complémentaire et fournit des recommandations.  
ED PR PS QU SC TE

### Le Programme de marquage au collier de Petites Oies des neiges dans la réserve nationale de faune d'Alaksen : résultats préliminaires, 1986 et 1987

par R. McKelvey...et al. Ottawa : Service canadien de la faune, 1989. 6 p. *Bibliogr. (Cahiers de biologie ; no 183) L'éd. anglaise (Preliminary results...)* : 90-01705/1.  
MICROLOG 90-02462 1 fiche

Ce document fait le résumé de la situation du programme de marquage de Petites Oies des neiges, et en décrit la zone d'étude, la méthodologie, et les résultats.  
CA EV SC

### Programme de participation du public, Parc historique national du Fort-Témiscamingue, août 1989 : compte rendu

Ottawa : Environnement Canada, Service canadien des parcs, 1989. 27 p.  
MICROLOG 90-06694 1 fiche

Ce document expose, d'une part, le contexte dans lequel s'est déroulé le programme de consultation du public relié aux propositions de mise en valeur du parc historique national du Fort-Témiscamingue et résume, d'autre part, l'ensemble des recommandations exprimées par la population tout en présentant la position du Service canadien des parcs.  
CU PR QU

### Programme de recherche et développement du CCRIT en traduction assistée par ordinateur

par P. Isabelle et E. Macklovitch. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1988. 3 p.  
ISBN 0662-95-71-2  
MICROLOG 90-05457 1 fiche

Il est généralement reconnu que la traduction entièrement automatique de bonne qualité de textes arbitrairement choisis est un objectif inaccessible, tout au moins dans un proche avenir. Cette inaccessibilité s'explique par le fait que la traduction correcte de textes en langues naturelles exige systématiquement des connaissances extralinguistiques, c'est-à-dire des connaissances qui ne soient pas explicitement exprimées dans le seul texte. Cette brochure se penche sur la question et souligne de nombreux points intéressants.  
CA PS SC TE



### Programme fédéral de recherche et de développement énergétiques : l'imagination à l'oeuvre

Ottawa : Énergie, mines et ressources Canada, 1989. 42 p. : ill. *L'éd. anglaise (The Federal energy...)* : 90-02760/1. ISBN 0-662-95537-4 MICROLOG 90-02761 1 fiche

Le Programme fédéral de R-D énergétique aide les Canadiens à mettre au point de nouvelles technologies et à se ménager un avenir prometteur. Il a également permis d'approfondir les connaissances nécessaires à la protection de la santé de la population et à l'intégrité de l'environnement. Cette publication a pour objet de faire connaître ce Programme polyvalent et d'en examiner son importante contribution à la vie canadienne. On y souligne des résultats: de nouvelles réalisations techniques, de nouvelles entreprises et de nouveaux emplois.  
CA EN SC

### Le Programme international de C et P : aperçus des principaux forums, programme international du SMA de C et P, plans d'affaires par question

Canada. Conservation et la protection. Ottawa le Service, 1989. v, 99 p. MICROLOG 90-03092 2 fiche

Ce document porte sur les plans d'action généraux du Programme international de C et P. Il est axé sur la gestion et les interventions et porte principalement sur les points suivants: le programme international de C et P; les aperçus des principaux forums multilatéraux et intergouvernementaux, le programme international; les plans d'affaires par question; l'imputabilité et les interdépendances environnementales, le patrimoine mondial, la lutte contre la pollution; la gestion des ressources; les sommets; les relations bilatérales; et, les questions multilatérales.  
• CA EV EX SC

### Le Programme international de C et P : vision, cadre de gestion, directions stratégiques

Canada. Conservation et la protection. Ottawa le Service, 1989. iii, 16 p. : ill. MICROLOG 90-03099 1 fiche

Ce document porte sur les points suivants: la vision et les directions stratégiques, le cadre de gestion et le régime d'imputabilité de C&P (le cadre de gestion du programme international de C&P et le régime d'imputabilité du programme international de C&P), les questions que doivent viser les activités internationales de C&P et les liens de l'agenda international; les interdépendances de l'agenda international, le modèle d'identification des résultats, les POLT et les plans de travail; l'agenda international de C&P et les activités du ministère, et, l'agenda international de C&P en tant qu'ensemble de plans d'affaire.  
• CA EV EX SC

### Le Programme révisé de sciences humaines

Conseil des collèges ; avis au Ministre de l'enseignement supérieur et de la science Québec : le Conseil, 1990. iv, 57 p. Bibliogr. ISBN 2-550-20641-X MICROLOG 90-05428 1 fiche

Dans cet avis, on rappelle d'abord les principales caractéristiques du programme actuel de Sciences humaines et les étapes qui ont mené au projet de programme révisé. Le document énonce aussi un certain nombre de critères dont il s'est inspiré pour en faire l'analyse. De plus, il passe en revue chacun des éléments du programme révisé tels qu'ils ont été présentés dans le document de consultation et souligne les points forts, les points faibles et présente des recommandations pour apporter les correctifs nécessaires. Finalement, le document examine les conditions

nécessaires à l'implantation du programme révisé et formule quelques recommandations à ce propos.  
ED PR QU

### Programmes dans les établissements postsecondaires des Maritimes

Fredericton : Commission de l'enseignement supérieur des provinces maritimes, 1990. 44 p. *Bilingue (Maritime provinces post-secondary...)* MICROLOG 90-04067 1 fiche

Ce document présente un inventaire de programmes approuvés ou projetés dans les établissements qui relèvent de la Commission de l'enseignement supérieur des provinces Maritimes. Les renseignements sont présentés en deux sections: la Section 1 démontre les programmes du niveau universitaire, tandis que la Section 2 démontre ceux du niveau d'arts appliqués et de technologie.  
AP ED PR

### Programmes de 2e et 3e cycles en sciences du bois de l'Université Laval

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1989. 8 p. (Avis ; no 89.4) ISSN 0709-3985 ISBN 2-550-20233-3 MICROLOG 90-00933 1 fiche

Ce document porte sur le domaine des sciences du bois. On y présente l'état de la situation, l'examen du 1er rapport soumis par l'Université Laval, les indicateurs de performance mis au point par le Conseil des universités pour le secteur du génie, les catégories établies par le Conseil des universités pour classer les programmes du secteur du génie, et les recommandations.  
ED FO PR QU SC

### Programmes de protection individuelle : rôle et mise en application

par G.T. Spencer. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. iii, 23 p. Bibliogr. ISBN 0-660-92299-1 MICROLOG 90-05737 1 fiche

Dans tout lieu de travail le travailleur est exposé à des risques; c'est pourquoi il est essentiel de mettre en place des stratégies visant à le protéger. Dans tous les lieux de travail, la priorité doit être donnée à la réduction et à l'élimination des risques à la source ou sur le trajet entre la source et le travailleur. Pour ce faire, de nombreuses méthodes sont disponibles, et il convient d'utiliser celles qui sont le mieux appropriées à la situation considérée. Ce document se penche sur cette question.  
• CA HE

### Programmes de thérapie en vigueur au Canada à l'égard des hommes violents

Ottawa : Santé et bien-être social Canada, Direction générale des programmes de service social, Division de la prévention de la violence familiale, Centre national d'information sur la violence dans la famille, 1988. 26 p. *Bilingue (Canadian treatment programs...)* ISBN 0-662-56392-1 MICROLOG 90-01694 1 fiche

Présente la liste des programmes canadiens d'aide aux hommes violents - mise à jour du répertoire de janvier 1987 intitulé 'Programmes de thérapie en vigueur au Canada à l'égard des hommes brutaux' - publié par la Division de la prévention de la violence familiale. Les renseignements contenus dans la liste ont été recueillis au début de 1988 lors d'une enquête téléphonique faite par Malcolm Murray qui s'adressait aux services et personnes-conseils

connus de la Division.  
BS CA SA

### Programmes de traitement de la douleur chronique : guide

voir Guide pour l'établissement de normes : programmes de traitement de la douleur chronique : guide

### Programs for frail elderly persons, persons with dementia and their caregivers : a review

by D. Flett ; conducted for the Elderly Services Branch, Ontario Ministry of Community and Social Services. Toronto : DPA Group Inc., 1990. 136 p. Bibliogr. MICROLOG 90-05441 2 fiche

The purpose of this study is to provide descriptive information on the nature of dementia; the incidence of dementia in Ontario, the needs of caregivers and persons with Alzheimer's disease and related dementias; and day programs, respite programs, and other programs in Ontario and elsewhere for persons with dementias and their caregivers.  
ON PR SA

### Progress in research, 1989

Ottawa Agriculture Canada, Research Branch, 1989. 28 p. : ill., maps. *Bilingual (Etat de la recherche)*. ISBN 0-662-56753-6 MICROLOG 90-00445 1 fiche

Annual report of the Branch, whose mission is to improve the long-term marketability of agri-food products by decreasing costs of production, increasing the value added to food products through diversification, and placing more emphasis on food safety and environmental quality. This report presents information on research in the new sheep breeds of Canadian Arcott, Outaouais Arcott, and Rideau Arcott, development of the technology and information base needed for managing and governing the soil, water and climate for maximum production, use of biotechnology and metabolic studies for the production of better animals; development of more productive and disease resistant crops, and increasing the value of food commodities.  
AG CA SC

### Progress on improved customer services and regulatory reform : report XVI

Toronto Ministry of Revenue, 1988. 131 p. ISSN 0832-7483 MICROLOG 90-02210 2 fiche

This report describes 64 new measures implemented between September 1, 1987 and September 1, 1988. The measures outlined bring the total number of measures to 388. The report discusses customer service principles, principles in action, the launching of new programs, reduced customer objections and appeals and future directions. New regulatory reform and customer services measures are included as well as an accumulated index.  
CO ON PR

### Progress on improved customer services and regulatory reform : report XVII

Toronto Ministry of Revenue, 1990. 150 p. CSI 55118 001 ISSN 0832-7483 MICROLOG 90-07179 2 fiche

Describes the principles and achievements of the Ministry of Revenue. It also lists new customer services measures, new regulatory reform measures, and publications and advertising. It provides an accumulated index.  
CO ON PR



### Progress on probabilistic assessments of reactor cores for pressure tube cracking due to hydride blister formation

by D.V. Leemans, T.P. Byrne and M. Leger.  
Toronto : Ontario Hydro, Research Division,  
1989. i, 57 p. : ill. Bibliogr. (Report ; no. 88-325-K)  
MICROLOG 90-00402 1 fiche

Detailed description of the computer model used for probabilistic assessments of the numbers of tubes in a reactor core with hydride blisters large enough to initiate delayed hydride cracking. This model has been under development since 1985 and has undergone several significant changes, particularly the development of the concept of a critical blister and a description of its use. This computer model has recently been used to assess the state of the Pickering Unit 4 core based upon inspection information. The report outlines the assumptions and limitations of the model, how inputs to the model are derived and used, and describes checks of the performance of key subroutines.

EN ON PR PS SC

### Progress report and interim recommendations

British Columbia. Premier's Council on Native Affairs. Victoria : The Council, 1990. ii, 16 p.  
MICROLOG 90-06814 1 fiche

The purpose of the Council was to review provincial policies affecting aboriginal people and to meet with tribal councils across the Province to hear their concerns. In this document, the Council examines some significant structural barriers to economic development for aboriginals, social problems among aboriginals, and the issue of aboriginal land claims.

BC NP PR

### A Progress report on follow-up actions to the report 'Future directions in health care services'

Saskatchewan. Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 23, 23 p. *Tabled by Saskatchewan at the Premiers' Conference. Presented to the National Symposium on Health Promotion and Disease Prevention. Bilingual (Le Suivi donné au rapport.).*  
MICROLOG 90-00037 1 fiche

Progress report on the follow-up activities initiated, including joint planning initiatives between the federal and provincial governments in administering the Canada Health Act and continuation of planning for 3 national symposia. An outline for the national symposia is included, as well as the text of the report on future directions for health care services.

CA CI HE MS

### Progress report, 1987-88

Canada-Manitoba Northern Development Agreement. S.I. : The Agreement, 1988. vi, 87 p. *Executive summary (13 p.) laid in*  
CSI 32103.003  
MICROLOG 90-01309 2 fiche

Annual progress report of the Agreement, presenting an overview of the program and its establishment and the progress by program. Programs include community/regional economic development and resource opportunity planning, Northeast Manitoba development, resource development (forestry, parks, agriculture, wildlife), local government development, Canada career opportunities and employment programs and services, Indian professional development, Northern Manitoba affirmative action, relocation and support services, youth development, community services for northern Indian communities and for northern provincial communities, and remote airstrips. A summary

of expenditures is included.

• CA MS NO PR

### Project excellence : a case study of a student-centred secondary school

Stephen Anderson and Suzanne Stiegelbauer ; with Diane Gerin-Lajoie, Hugh Partlow and Art Cummins. Toronto : Ministry of Education, 1989. 294 p. Bibliogr. ISBN 0-7729-6190-5  
MICROLOG 90-06414 4 fiche

This report presents a case study evaluation of a mastery system of individualized instruction. In this system, the curriculum consists of 20-unit learning guides in all courses. Students work in subject area resource centres and consult with teachers as needed. Teachers function as developers and consultants for particular courses, and as advisors to groups of 12 to 15 students. Students organize their own timetables and progress at their own rate.

ED ON PR

### Project manager's guide

Ottawa : Public Works Canada, Architectural and Engineering Services, 1989. 10, 12 p. : ill. (Building performance evaluation series ; Document A1) *Bilingual (Guide du directeur de projet)*  
MICROLOG 90-02169 1 fiche

Introduction to building performance evaluation and a guide to using the entire series in managing capital projects from the project manager's perspective. The document describes the series and its uses and the use of the documents in environmental and energy performance, systems and material performance and functional performance.

CA PL PW SC

### Project profiles : the quality of teaching and the training of teachers in the developing world

Ottawa : International Development Research Centre, 1989. 76 p. (Manuscript report ; 239e)  
MICROLOG 90-03210 1 fiche (Available on fiche only)

Lists projects that addressed/are addressing the issue of teacher training in the developing world. Each project profile includes the project's title, the number assigned to it by IDRC, the name and address of the recipient institution, the current address of the principal researcher, project descriptors, the country/area where the research is located, and a summary of the project's objectives and results. It also lists project related documents that are available, in microfiche form, from the IDRC library in Ottawa.

CA ED EX

### Project profiles, 2 : education, work, and employment

Ottawa : International Development Research Centre, 1990. 71 p. Bibliogr. (Manuscript report ; 253e)  
MICROLOG 90-06130 1 fiche (Available on fiche only)

This document lists projects sponsored by the Population, Education and Society Program of the Social Sciences Division of the International Development Research Centre (IDRC), in the area of education, work and employment in the developing world. Each project profile includes the project's title, the number assigned to it by IDRC, the name and address of the recipient institution, the current address (if known) of the principal researcher, project descriptors, the country/area where the research is located, and a summary of the project's objectives and results, where available. It also lists project related documents available in microfiche form from the IDRC library in Ottawa.

CA ED EX LA

### Project results, 1988 : soil and crop improvement associations

Halifax : Dept. of Agriculture and Marketing, Soils and Crops, 1989. 123 p. : ill., maps. Bibliogr. CSI 51100.019.  
MICROLOG 90-06775 2 fiche

Presents the results of field trials for forages, cereals, corn, and other crops.

AG AP PR SC

### Project results, 1989 : soil and crop improvement associations

Halifax : Dept. of Agriculture and Marketing, Soils and Crops, 1989. 122 p. : ill.  
MICROLOG 90-04981 2 fiche

Short overview of projects conducted for forage crops, cereal crops, corn crops, and various other crops in Nova Scotia. For each project, information is given on location, soil type, plot size, experimental design, establishment data, fertilizers used, objective, and results. Coverage includes seeding, harvesting, adaptability of various crops to various soils, use of herbicides and pesticides, and the evaluation of hybrids.

AG AP PR SC

### Project to continuously monitor the performance of the laminar air flow super window, humidity controlled air inlet, baseboard heater ventilation and heating system : report

prepared by G.K. Yuill and Associates ; for Willmar Window Industries Ltd. Ottawa : Canada Mortgage and Housing Corporation, 1989. iii, 87 p. : ill.  
MICROLOG 90-06837 2 fiche

The Laminar system is a means of supplying preheated ventilation air to individual rooms in a house. The system consists of a triple glazed window which draws outdoor air into the house, a central exhaust fan and humidity controlled air inlets in each room; and baseboard heaters to supply the fluctuating heat demands of the rooms. This report summarizes the work on a project to demonstrate and monitor the performance of the system installed in a newly constructed house in Winnipeg, Manitoba. The project identified the benefits and deficiencies of using the system in new energy efficient housing by conducting one time/pre-occupancy measurements of airtightness and air infiltration and carrying out continuous monitoring under normal occupancy conditions of various temperatures, relative humidities and exhaust fan flow rates.

CA EN MS PS SC

### Projections and their policy implications

Toronto : Metropolitan Toronto Planning Dept., Research and Policy Divisions, 1989. ii, 33 p. : ill. CSI 89187.200.  
MICROLOG 90-02417 1 fiche

Produced to respond to the need for periodic review of changes in urban structure and to utilize the patterns of changes revealed by the 1986 Census of Canada and other statistical data available. The projections deal with the following three different types of data: population, labour force, households and housing by residence location; employment by place of work location; and day time population.

MU ON SA ST

### Projections de la population indienne inscrite, 1986-2011

par S. Loh. Ottawa : Affaires indiennes et du Nord Canada, 1990. 211 p. : ill. Bibliogr. *L'éd. anglaise (Population projections...)* : 90-04371/3. CSI 21113.205F. ISBN 0-662-95876-4  
MICROLOG 90-04380 3 fiche



Ce document présente les projections de la population des Indiens inscrits du Canada et celle des régions administratives du ministère des Affaires indiennes et du Nord pour les années 1986 à 2011. Il s'agit d'une mise à jour de projections antérieures établies par la Division de la démographie de Statistique Canada pour Affaires indiennes et du Nord du Canada.

• CA NP SA ST

**Projet de directives en vue d'une étude d'impact sur l'environnement : relativement à l'agrandissement de l'Usine de démonstration de Alcell, Alcell Developments Inc.**

Fredericton : Environnement Nouveau-Brunswick, 1990. 6 p. *Bilingue (Draft guidelines...Alcell Developments...)*.

MICROLOG 90-06980 1 fiche

Ce document a pour but d'identifier les points environnementaux importants découlant du projet d'Alcell Developments Inc. d'agrandir l'usine de démonstration Alcell actuelle, pour augmenter sa production de 33 tonnes par jour à 300 tonnes par jour. Il présente des directives qui fournissent un cadre pour la tenue d'une étude d'impact sur l'environnement et font ressortir un certain nombre de questions à traiter.

AP EV FO PR SC

**Projet de directives pour une étude d'impact sur l'environnement d'une centrale d'électricité de 25 MW alimentée au bois à Sussex, Nouveau-Brunswick**

remis par le Ministre de l'Environnement ; au Ministère des ressources naturelles et de l'énergie. Fredericton : Environnement New Brunswick, 1990. 11 p. *Bibliogr. L'éd anglaise (Draft guidelines for an...)* sur la même fiche

MICROLOG 90-04559 1 fiche

Le but de ces directives est de fournir un cadre général pour une étude d'impact sur l'environnement (EIE) relativement au projet du ministère des Ressources naturelles et de l'Énergie (MRNE) qui consiste à construire et à exploiter une centrale électrique de 25 MW alimentée au bois dans la région de Sussex au Nouveau-Brunswick. Les directives identifient les questions environnementales importantes découlant du projet et fournissent un cadre général pour l'EIE.

AP EV PR SC

**Projet de directives relatives à une étude d'impact sur l'environnement : centrale de Millbank, Énergie NB**

émises par le Ministère de l'environnement ; à Énergie Nouveau-Brunswick. Fredericton : Environnement Nouveau-Brunswick, 1990. 13 p. *L'éd. anglaise (Draft guidelines for an...)* sur la même fiche

MICROLOG 90-03330 1 fiche

Le but de ce document est de repérer les questions environnementales importantes ou levées par la proposition de la Commission d'énergie électrique du Nouveau-Brunswick (Énergie NB) de construire et d'exploiter à Millbank (N.-B.) une centrale à turbines à combustion d'une puissance nominale de 400 MW. On prévoit que l'installation proposée brûlera du carburant diesel à faible teneur en soufre et fonctionnera pendant environ 500 heures par année pour fournir de la puissance de pointe destinée à satisfaire les besoins provinciaux et les marchés d'exportation. Les directives présentées dans ce document fournissent un plan général pour la conduite d'une Étude d'impact sur l'environnement (EIE).

AP EN PR SC

**Le Projet de poste de travail pour traducteur**

par E. Macklovitch et P. Isabelle. Laval,

Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1988. 35 p. *L'éd anglaise (The Translator's workstation...)* : 90-05453/1. ISBN 0-662-95139-5 MICROLOG 90-05461 1 fiche

Ce recueil réunit quatre documents dont la suite témoigne de l'évolution du projet de construction d'un poste de travail pour traducteur (PTT) entrepris par le Centre canadien de recherche sur l'informatisation du travail (CCRIT). Ces recueils visent à mettre en lumière certaines faiblesses des spécifications fonctionnelles de PTT proposées par la firme Socioscope, en réponse à un contrat passé avec le CCRIT; fournir un aperçu du projet; présenter une tabulation des résultats de ces consultations, et discuter des implications de ces résultats sur la construction d'un poste prototype adapté aux besoins des traducteurs du Secrétariat d'État; et, énoncer les spécifications fonctionnelles d'un réseau de tels postes.

CA SC TE

**Projet de programme de baccalauréat en communication organisationnelle soumis par l'Université du Québec**

avis du Conseil des universités au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1989. 23 p. (Avis ; no 88.11) ISSN 0709-3985 ISBN 2-550-19512-4

MICROLOG 90-01827 1 fiche

Ce programme a comme objectif de familiariser l'étudiant avec les questionnements théoriques et (de) le préparer aux analyses pratiques concernant l'impact des nouvelles technologies d'information et de communication sur le plan organisationnel ainsi que sur le plan social. Le document porte particulièrement sur l'identification du projet de programme; l'état de la situation; l'évaluation (de qualité, d'opportunité), les opportunités (scientifique et culturelle, socio-économique, institutionnelle et systémique); et, les recommandations.

ED PR QU

**Projet de programme de baccalauréat en langues modernes de l'Université du Québec**

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1990. 12 p. (Avis ; no 89.10) ISSN 0709-3985 ISBN 2-550-20582-0

MICROLOG 90-03610 1 fiche

Le projet de programme de baccalauréat en langues modernes, objet de la présente recommandation, est la troisième version d'un projet initialement soumis au Comité des programmes en 1979. Il se penche sur l'identification du projet de programme, l'état de la situation (historique et présentation du dossier), l'évaluation de qualité, l'évaluation d'opportunité (culturelles, socio-économique, institutionnelle et systémique), et les conclusions et recommandations.

ED PR QU

**Projet de programme de doctorat en études urbaines de l'Université du Québec**

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1990. 18 p. *Bibliogr. (Avis ; no 89.12)* ISSN 0709-3985 ISBN 2-550-20699-1

MICROLOG 90-04471 1 fiche

Ce programme vise à former des chercheurs et des analystes qui pourront contribuer à la réflexion sur la condition urbaine et à guider l'intervention publique et privée en milieu urbain. Il met l'accent sur le développement urbain, sur

le contexte territorial varié des phénomènes urbains, sur l'interdisciplinarité requise pour saisir les multiples aspects fonctionnels de la société urbaine, et sur l'analyse critique, orientée sur l'identification de problèmes et la suggestion de solutions.

ED PR QU

**Projet de programme de maîtrise en intervention sociale soumis par l'Université du Québec (UQAM)**

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1989. 25 p. (Avis ; no 88.18) ISSN 0709-3985 ISBN 2-550-19929-4

MICROLOG 90-01112 1 fiche

Le projet de maîtrise comporte un seul cheminement, de type 'recherche'. Il aborde l'état de la situation, l'évaluation de qualité et d'opportunité et les opportunités scientifique, socio-économique, institutionnelle et systémique.

ED PR QU

**Projet de programme de maîtrise en sciences infirmières (Université Laval)**

avis du Conseil des universités au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : le Conseil, 1990. 13 p. (Avis ; no 89.17) ISSN 0709-3985 ISBN 2-550-20949-4

MICROLOG 90-05933 1 fiche

L'école des sciences infirmières envisage maintenant d'offrir un programme de maîtrise pour répondre aux besoins de tout l'Est du Québec. Ce document présente un dossier de présentation de ce programme. Il se penche particulièrement sur les points suivants: l'identification du projet de programme; l'état de la situation; l'évaluation de la qualité, l'évaluation d'opportunité; et, les recommandations.

ED PR QU

**Projet de raccordement dans le détroit de Northumberland : rapport**

Canada Commission d'évaluation environnementale. Ottawa : Bureau fédéral d'examen des évaluations environnementales, 1990. 49, 46 p. : ill. *Bibliogr. (Processus fédéral d'évaluation et d'examen en matière d'environnement, 34) Bilingue (The Northumberland Strait...)*. ISBN 0-662-57709-4

MICROLOG 90-06661 2 fiche

Le projet de raccordement a pour objet la construction d'un pont de 13 kilomètres qui s'étendrait au-dessus du détroit de Northumberland de Cape Tormentine, au Nouveau-Brunswick, à Borden, dans l'Île-du-Prince-Édouard. Le pont remplacerait les traversiers de Marine Atlantic qui assurent le transport entre le continent et l'Île-du-Prince-Édouard. Ce rapport expose les constatations de la Commission d'évaluation environnementale chargée d'examiner le projet de raccordement dans le détroit de Northumberland proposé par Travaux publics Canada.

AP CA EV SC TR

**Projet expérimental d'auto-acquisition par étapes de la langue seconde : programme multimédia d'anglais**

Fredericton : Ministère de l'éducation, Direction des programmes d'études, 1990. 32 p. : ill. *Bibliogr. L'éd anglaise (English as a second language)* sur la même fiche ISBN 0-88838-737-7

MICROLOG 90-04065 1 fiche

Ce document se veut une description succincte et non technique du projet dans sa forme actuelle en vue de répondre initialement à des demandes de renseignements. Les deux textes annexés sont des versions remaniées des exposés sur le projet qui ont tout d'abord été présenté lors de la Conférence sur l'enseignement des langues axé sur la



compréhension' qui s'est déroulée à Ottawa du 11 au 13 mai 1989. Il donne la description générale de l'expérience et les références.  
AP CU ED PR

### Projet national d'incitation à la poursuite des études

Ottawa : Emploi et immigration Canada, 1990. 18, 18 p. : ill. *Bilingue* (A National stay-in-school...). En tête du titre: Jeunesse. ISBN 0-662-57413-3  
MICROLOG 90-06976 1 fiche

Un peuple qui se préoccupe de ses jeunes et de son avenir ne peut être indifférent au problème que pose aujourd'hui l'abandon des études secondaires par des milliers de jeunes. Ce document présente un exposé qui trace les grandes lignes d'une mesure gouvernementale visant à attaquer le problème de l'abandon scolaire dont l'application nécessite notamment la collaboration des gouvernements provinciaux, de représentants des milieux d'affaires et des syndicats, des organismes d'aide sociale, des parents et des jeunes.  
CA ED

### Les Projets d'infrastructures routières et l'érosion des sols

par M. Sorial et M. Lacharité. Québec : Gouvernement du Québec, Ministère des transports, 1989. xv, 247 p. : ill., cartes géogr. Bibliogr. (Etudes et recherches en transports) (Génie et environnement) ISBN 2-550-19976-6  
MICROLOG 90-02889 3 fiche

L'érosion des sols, sous l'influence de la glace, du vent et du ruissellement, est un phénomène qui a permis à ces agents naturels de modifier continuellement et d'une façon dynamique la morphologie de notre Terre. C'est une dynamique constante qui a toujours comme objectif d'atteindre un équilibre entre les forces extérieures qui agissent sur le milieu naturel et la résistance de ce milieu face aux modifications. Ce guide présente la problématique, la théorie et les calculs inhérents à l'aspect de l'érosion des sols et de ses impacts sur l'environnement, et ce, tant aux niveaux de la planification, de la conception que de la réalisation d'un projet routier.  
AG PR PS QU SC TR

### Les Projets de loi d'intérêt public, 1963-80

Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1983. 122 p. (Bibliographie et documentation ; 13)  
MICROLOG 90-02055 2 fiche

Ce cahier contient les références aux débats relatifs à tous les projets de loi déposés à l'Assemblée nationale (législative) de 1963 à 1980. La première partie est une table alphabétique des projets de loi d'intérêt public établie à partir des mots-clés des titres. La seconde partie de ce recueil contient une liste des projets de loi d'intérêt privé des années 1976 à 1980. Ces références complètent le 5e cahier de la collection Bibliographie et Documentation publié en 1976.  
JU PA PR QU

### Projets pilotes de formation en cours d'emploi sur les sciences aux cycles primaire et moyen : rapports des conseils scolaires, 1987-89

Toronto : Ministère de l'éducation, 1989. 184 p. *Bilingue* (Primary and junior science...). CSI 55108.006.  
MICROLOG 90-06077 2 fiche

Ce guide a été publié par le ministère de l'Éducation à l'automne 1986. Il regroupe vingt-quatre mesures pour la réorientation de l'enseignement des sciences aux cycles primaire et moyen dans les écoles de langue française et anglaise. L'une de ces mesures est particulièrement centrée sur le perfectionnement

professionnel. Le document résulte de la compilation de ces rapports dans leur forme inédite. Il a été publié dans le but de permettre aux conseils scolaires de l'Ontario d'échanger des idées sur les projets pilotes innovateurs pour la formation en cours d'emploi dans le cadre de l'enseignement des sciences aux cycles primaire et moyen.  
ED ON PR SC

### Promoting a responsible approach to industrial waste management

Toronto : Ontario Waste Management Corporation, 1989. 10, 10 p. : ill. *Bilingue* (Pour une gestion judicieuse...).  
MICROLOG 90-01897 1 fiche

The Ontario Waste Management Corporation (OWMC) is a provincial Crown agency created in 1981 to design, develop and manage an industrial hazardous and liquid waste treatment and disposal system for the province. This document explains OWMC services to industry, including waste reduction assistance, waste analysis, and market assessment; and its development of modern industrial waste treatment and disposal facilities, with descriptions of each component of these facilities.  
CI EV ON PR PW SC

### Promoting healthy aging : directions for the future

see Provincial Senior Citizens Advisory Council (Alta.) : Annual report 1989 : promoting healthy aging : directions for the future

### La Promotion de la santé : de la rhétorique à la pratique

par T. Hancock. S.I. : Secrétariat des conférences intergouvernementales canadiennes, 1989. 28, 26 p. Bibliogr. *Bilingue* (Where the rubber meets the road...). Présentation au Colloque national sur la promotion de la santé et la prévention des maladies.  
MICROLOG 90-00131 1 fiche

Colloque national sur la promotion de la santé et la prévention des maladies. On y aborde les sujets suivants: les limites des services de traitement des maladies; les objectifs en matière de santé; le financement; la définition des rôles; l'acquisition de connaissances en vue de la promotion de la santé; l'éducation et la formation en vue de la promotion de la santé; les centres nationaux de haut savoir; les inégalités en matière de santé et les injustices sociales; le développement économique durable et les environnements sains; les politiques agricoles et alimentaires; les structures et processus en vue d'une politique axée sur la santé de la population; le secteur des services de santé communautaire; la haute main des communautés sur la santé; et l'appui communautaire.  
● CA HE

### La Promotion de la santé : un instrument de changement : alloucation

par M. Law. S.I. : Secrétariat des conférences intergouvernementales canadiennes, 1989. 19, 16 p. *Bilingue* (Health promotion : a dynamic...). Présenté au Colloque national sur la promotion de la santé et la prévention des maladies.  
MICROLOG 90-00125 1 fiche

Colloque national faisant le point sur la promotion de la santé et la prévention des maladies. On y traite des interventions et préoccupations en ce moment, de la situation actuelle et finalement des perspectives d'avenir qu'on peut entrevoir, ainsi que la façon de relever les défis afin d'améliorer l'état de santé de l'ensemble des Canadiens.  
CA HE

### The Propagation and rearing of the scallop *Patinopecten yessoensis*, at Date

by A. Ishihara. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 80 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5394) Originally published in Japanese, by Central Fisheries Experimental Station of Hokkaido. ISSN 0704-3716  
MICROLOG 90-01512 1 fiche

The yield of scallops in the Date region of Japan is only about 3% of the total yield in Hokkaido, but the region has been known for a long time. This report outlines propagation and rearing methods, covering the appearance and attachment of the frozen larvae, seedling collection methods and results, tray-type collecting-rearing equipment, attached young shells and growth, mid-rearing, released shells, scallop-shell distribution and the fishing grounds, seedling release and propagative efficiency, and rearing experiments.  
● CA CF FI LS SC

### Propane storage : report on hazard and risk assessment of propane storage on garage forecourts

by D.H. Napier and H.-D. Leers. Toronto : Toronto Planning and Development Dept., 1989. 148 p. Bibliogr.  
MICROLOG 90-03943 2 fiche

Assessment of the types and magnitude of hazards involved with a propane tank and the ancillary equipment used at a propane filling station, as well as determination of the risk from the consequences of these hazards.  
EN EV MU ON SC

### The Proper place of man and machines, revisited

by E. Macklovitch. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1988. 3 p. In Circuit no. 19, 1987. French ed. (Rôles propres de l'homme...) on the same fiche. ISBN 0-662-16411-3  
MICROLOG 90-05460 1 fiche

In 1980, Martin Kay published an article entitled 'The proper place of man and machines in language translation'. In it, he advanced the controversial position that machine translation (MT) of the fully automatic variety has very little to offer in the way of practical solutions for the growing demands being placed on professional translators because what is not understood cannot be automated. As an alternative to fully automatic MT, Kay advocates machine-aided human translation in the form of a translator's workstation which includes a sophisticated dictionary function and word processing abilities. This report describes the progress of the CWARC in designing workstations, while at the same time critiquing some of Kay's statements.  
CA PS SC

### Properties and uses of Nova Scotia clays and shales

by S. Gouthro. Halifax : Dept. of Mines and Energy, 1989. v, 288 p. : maps. Bibliogr. (Economic geology series ; 89-1)  
MICROLOG 90-02565 4 fiche

To determine uses for Nova Scotia clays and shales 266 samples were collected from numerous surface exposures in several areas of the province. Tests were performed on 224 of the more promising clays and shales. Variables presented for each sample include unfired characteristics such as workability, plasticity, water of plasticity, and drying shrinkage; and fired characteristics such as pyrometric cone equivalent, absorption, shrinkage, colour and hardness. From these results an evaluation was made as to the possible usages of each.  
AP NR PR PS SC



**Properties of waste by-products from limestone (lime) dual alkali and limestone (lime) wet scrubbing processes : a literature study**

by H.T. Chan. Toronto : Ontario Hydro, Research Division, 1989. ix, 147 p. : ill. Bibliogr. (Report ; no. 89-66-K) MICROLOG 90-00403 2 fiche

Literature study on the collection of physical and chemical properties of the waste by-products from the limestone (lime) dual alkali process and the limestone (lime) wet scrubbing process. Information on the untreated and stabilized (fixated) wastes were gathered to gain a better understanding of the properties/behaviour of these FGD wastes for the design and operation of a future Ontario Hydro solid waste management system, as well as for potential utilization/marketing options. The report also includes brief discussions on the fixation processes for the FGD wastes and utilization cases of the stabilized wastes. EN EV ON PR PS SC

**Property manager's guide**

Ottawa : Public Works Canada, Architectural and Engineering Services, 1989. 9, 11 p. : ill. (Building performance evaluation series ; Document A2) Bilingual (Guide du gérant d'immeuble). MICROLOG 90-02168 1 fiche

Introduction to building performance evaluation and a guide to using the entire series from the property manager's perspective. The document describes the series and its uses and the use of the documents in environmental and energy performance, systems and material performance and functional performance. CA PL PW SC

**Property modification of a de-icing agent**

by K.F. O'Driscoll and K.G. Suddaby. Toronto : Ministry of Transportation, Research and Development Branch, 1988. ii, 50 p. : ill. Bibliogr. MICROLOG 90-02323 1 fiche

The Ministry recently began to use a new open graded friction road surface in certain areas. The new surface is porous, thereby preventing hydroplaning by allowing drainage through the road surface. However, the increased drainage rates also allow road salt to be drained off as a concentrated brine, therefore necessitating more frequent salt applications. This report provides an overview of a study which investigated the feasibility of using polymers to reduce the high cost of de-icing open graded friction courses. Possible methods are discussed, along with a series of tests designed to determine their effectiveness. The results of these tests are summarized and interpreted. ON PR SC TR

**Property tax : a provincial tax?**

presentation to the Standing Committee on Finance and Economic Affairs. Toronto : Association of Municipalities of Ontario, 1989. 10 p. Bibliogr. (AMO report : report series 1989 ; 89-4) MICROLOG 90-01021 1 fiche (Available on fiche only)

This document discusses provincial priorities at municipal expense, the shifting of provincial government responsibilities to municipalities, and contradictory evidence concerning whether the province is facing economic hardship. CO MU ON PA

**A Proposal for a major research project on rockbursts**

by J.E. Udd. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1984. v, 18 p.

(Report ; MRL 84-84(TR)) MICROLOG 90-03953 1 fiche

Rockbursts, such as occur in the Canadian pre-Cambrian Shield, are attributed to stress redistributions which accompany mining in hard rock formations. Microseismic activity, which accompanies the stress increases preceding rockbursts, appears to locate in areas in which rockbursts may occur and may therefore provide a means of short-term prediction. Although microseismic systems have been used experimentally in mines for many years, marginal advances in methodology and equipment development have limited their use. This proposal includes 2 phases, the first of which involves studies at 2 Sudbury mines using extensive conventional state-of-the-art microseismic studies with an advanced prototype system permitting detailed seismic event analysis at an important Ontario mine, and local area mine monitoring trials at several other small mines with a basic microseismic system. The 2nd phase involves trials to determine the effects of bulk mining methods, with various forms of backfill support, on local and regional stability conditions. Costs and time are given for each phase. • CA CM NR ON PS SC

**A Proposal for a research program on ferrites in the Mineral Sciences Division of the Mines Branch**

by N.F.H. Bright, A.H. Webster and I.F. Wright. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. iii, 28 p. Bibliogr. (Report ; MS 65-98) MICROLOG 90-04683 1 fiche

Outline of a proposal for a program of research on the hexaferrite system BaO<sub>6</sub>Fe<sub>2</sub>O<sub>3</sub>-PbO. 6Fe<sub>2</sub>O<sub>3</sub>-SrO.6Fe<sub>2</sub>O<sub>3</sub>. The program would prepare ferrites of compositions throughout this system by co-precipitation, fabricate them into ferrite shapes by ceramic procedures and then test their magnetic properties. Studies would also be made of the crystallographic properties of composition in this system. The work would later be extended to cover other possible compounds and compositions in the system BaO-SrO-PbO-Fe<sub>2</sub>O<sub>3</sub>. A study of the kinetics of ferrite formation may be made, as well as of the formation of oriented ferrites. The proposal describes in detail these areas of the program, its initiation, personnel and administrative considerations and future work. • CA CM NR PS SC

**A Proposal for environmental research and monitoring of organic pollution caused by salmonid mariculture in the Bay of Fundy**

by D.J. Wildish...et al. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Marine Fish Division, Biological Sciences Branch, Biological Station, 1990. iii, 24 p. : ill., maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1724) This is the two hundred and sixth technical report of the Biological Station, St. Andrews, N.B. ISSN 0706-6457 MICROLOG 90-03430 1 fiche

Within the Bay of Fundy, the growout of salmonids in seawater net-pens is a relatively recent and successful economic venture. In 1988, this industry was still expanding from existing sites and continued to expand in 1989 through new sites. This report presents a concept of the environmental problems likely to be encountered as the culture of salmonids in seawater net-pens becomes more intensive in the Bay of Fundy. Omitted from consideration are disease transmission and contaminant chemicals (such as therapeutants - inclusive of antibiotics, pesticides, hormones and antifoulants used in construction materials). Research and monitoring methods are suggested which should allow the environmental effects anticipated to be

temporally assessed as well as contributing ultimately to a predictive management model suitable for determining the holding capacity of salmonid culture areas. • AP CA CF EV FI SC

**Proposal for movement of solids**

by J.H. Walsh. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1963. 5 p. (Report ; FMP 63/78-SP) At head of title: Working party on movement of solids : report no. 8. MICROLOG 90-04532 1 fiche

Proposal for the movement of solids using the overall French concept for a mobile pipeline, but differing materially in the choice of propulsion and suspension methods. This paper describes the suspension and capacity, along with a suggestion for an experimental unit. • CA CM NR PS SC TR

**Proposal for reform of the machinery of public prosecutions**

Fredericton Office of the Attorney General, 1989. 40 p. French ed. (Proposition de réforme...) on the same fiche. ISBN 1-55048-119-3 MICROLOG 90-00979 1 fiche

Focuses on the current structure of public prosecutions, the need for reform, options for reform, and recommendations for reform. It also includes a summary of recommendations. AP JU PR

**Proposal/discussion paper on regional policing in the G.V.R.D.**

Bob Leighton & Associates. Vancouver, B.C. : Greater Vancouver Regional District, 1988. 99 p. : ill. MICROLOG 90-05452 2 fiche

The focus of this paper is on 'regional' or 'metropolitan' policing for the Greater Vancouver Regional District (GVRD). Appendices illustrate the basic structure and delivery of four types of policing within the GVRD: federal policing, provincial policing, municipal policing (contracted RCMP), and municipal policing (municipal forces). BC JU MU

**Proposals and discussions regarding standard specifications for classification of coal by rank ASTM D 388-38**

by L.H. King. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1962. 16 p. (Report ; FMP 62/38-RBS) MICROLOG 90-04535 1 fiche

Review of the current issues before Subcommittee XVII pertaining to classification of coals. These issues include classification of lignitic coals; differential of subbituminous A and high volatile C bituminous coals; considerations related to the use of the term 'rank' in conjunction with commercial coal preparation; discussion of errors in ash determination resulting from the retention of significant amounts of SO<sub>3</sub> in the ash of low rank coals; and consideration of classification systems other than D 388-38. Tentative proposals are presented for the first two and discussions were held on the other issues. • CA CM NR PS SC

**Proposed Alberta environmental protection and enhancement legislation : for public discussion and response**

Edmonton : Alberta Environment, 1990. 2 v. Contents: Vol 1 : A Guide -- vol. 2 : Appendix A, discussion draft. MICROLOG 90-05850 2 fiche



The proposed Act was developed in draft form to allow Albertans' input into this new legislation. This guide is designed to assist in the public consultation process by summarizing the key areas of the proposed legislation as well as by indicating which areas represent existing, enhanced, and new legislative provisions.

AL EV JU PR

### The Proposed Alberta-Pacific Pulp Mill : report

Alberta-Pacific Environmental Impact Assessment Review Board. Edmonton : The Board, 1990. 114 p. : ill., maps. MICROLOG 90-07314 2 fiche

The Board was established jointly by the Alberta and federal governments to conduct an environmental review of the bleached kraft pulp mill proposed by Alberta-Pacific Forest Industries Inc. for the County of Athabasca no. 12. The Board reviewed the environmental impacts of the proposed mill and the effects of timber harvesting on Indian Reserve Lands, but did not review harvesting in general and the proposed Forest Management Agreement. Public hearings were held from November to mid-December. This report describes the proposed mill, the issues involved, the effects of the mill effluent on the Athabasca River, including chlorinated organic compounds, dissolved oxygen, and other pollutants; the effects of timber harvesting on Indian lands; effects on the area surrounding the site, and other effects such as navigable waters, recycling, global warming, endangered species, timber harvesting in Wood Buffalo National park, and ecological reserves. Recommendations are included.

AL EV FO PR SC

### A Proposed model of collective bargaining and required amendments for the Police Act

Toronto : Association of Municipalities of Ontario, 1987. ii, 53 p. (AMO report : report series 1987 : 87-9) MICROLOG 90-00852 1 fiche (Available on fiche only)

Discusses the proposed model of collective bargaining for the Act; required legislative amendments for the effective administration of police services; and a brief outline of common elements found in bargaining legislation in Ontario.

JU LA MU ON

### Proposed modification to lithium battery test specifications : a report presented to ICAO Oct., 1989

University of Ottawa. Electrochemical Science and Technology Centre. Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1990. xiii, 61 p. MICROLOG 90-07209 1 fiche

Because of the proliferation of lithium battery usage, a need exists to review the rules governing the general carriage of such batteries. Particular concerns involve passengers unwittingly carrying on board aircraft equipment which contains lithium cells/batteries, and the desire of manufacturers to transport their products as quickly as possible to the marketplace. This study reviews battery design criteria and how it relates to safety and existing rules governing transportation of lithium cells/batteries, discusses existing rules and experiences with interested parties such as regulatory authorities, the manufacturing industry, carriers and users; and proposes test criteria which will immediately categorize cells/batteries into groups for appropriate shipment.

CA EN PS SC TR

### Proposed purse seiner/trawler designed with special attention to cargo handling

by A. Sangolt. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 12 p. : ill. (Canadian translation of fisheries and aquatic sciences : no. 5235) Originally published in Norwegian, by SSF at Bergen. ISSN 0704-3716 MICROLOG 90-02674 1 fiche

Most Norwegian fishing vessels have insufficient cargo handling equipment. Discharging is frequently a time consuming and costly period employing as many as 6-8 men working 8-12 hours to unload 1000 tons of fish. This paper describes a combined purse seiner/pelagic trawler in which cargo handling has been given full attention and emphasis has been placed upon cargo preservation.

• CA CF FI SC

### Proposed research study for plumbing noise control in Canadian buildings : client report

for Canada Mortgage and Housing Corporation. Ottawa : Institute for Research in Construction, 1989. 25 p. : ill. Bibliogr. MICROLOG 90-03775 1 fiche

Recommendations made for control of plumbing noise in buildings contain almost no quantitative or practical information that relates directly to the North American style of lightweight building. This report determines, in a controlled environment, the effectiveness of commonly prescribed techniques for control of plumbing noise in buildings. The project deals primarily with lightweight wood and metal stud construction and includes a description of the research work, a summary of factors influencing the level of plumbing noise, test and rating procedures from Europe and the International Standards Organization, and recommended procedures for quiet plumbing installations.

CA PL PS SC

### A Proposed strategic plan for Ontario fisheries

Toronto : Ministry of Natural Resources, 1989. 3 v. Bibliogr. Contents: Vol. 1 : Discussion paper -- vol. 2 : SPOF II : explanatory booklet -- vol. 3 : SPOF II : draft MICROLOG 90-01797 1 fiche

By the early 1970s there was increasing concern over the deterioration of fish stocks in Ontario and elsewhere in Canada due to overfishing, land development, the introduction of exotic species and pollution. A federal-provincial task force was appointed in 1974 to recommend broad courses of action to deal with these and other issues. This group produced a document in 1976 which has guided the development of the fisheries since then. In 1987 it was decided to review this strategic plan and either reaffirm or adjust it to meet the need of the 1990s and beyond. This discussion paper is the result of that review and covers the need for sustainable development; the issues affecting fisheries management, including declining aquasystem health and loss of fish habitat, loss of fish, shareholder conflicts, underlying causes, and consequences; and the objectives and guiding principles of a strategic plan for Ontario fisheries.

FI ON PR SC

### Proposition d'un projet de recherche pour analyseur portatif de métaux de chantiers miniers en souterrain

par A. Boyer. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoire de recherche minière, 1989. iii, 137 p. : ill. (Rapport ; MRL 89-142(TR)) MICROLOG 90-03955 2 fiche

L'objectif de ce projet de recherche est de permettre aux géologues/ingénieurs miniers d'accomplir un meilleur contrôle de la teneur en leur fournissant des appareils capable de mieux définir la minéralisation en or dans les gisements filoniens. Le document se penche sur les points suivants: les analyseurs portatifs, les analyseurs portatifs pour la teneur en métal; les analyseurs compacts, transportables, la problématique; les objectifs; le plan de recherche; les bénéfices anticipés, et l'estimation des coûts.

• CA CM EN NR SC

### Proposition de réforme du système des poursuites publiques

Fredericton : Cabinet du procureur général, 1989. 41 p. L'éd. anglaise (Proposal for reform...) sur la même fiche. ISBN 1-55048-119-3

MICROLOG 90-00979 1 fiche

Ce document examine la structure actuelle des poursuites publiques, les besoins de réforme et les choix de réforme, puis il énonce six recommandations, et il donne un sommaire des recommandations.

AP JU PR

### Propositions pour le contrôle de l'enneigement des autoroutes canadiennes

par H.A. Baker et C.J. Williams. Montréal : Transports Canada, Groupe des politiques et de la coordination, Centre de développement des transports, 1990. xiii, 109 p. : ill. Bilingue (Guidelines for controlling...). MICROLOG 90-07198 2 fiche

Le but de ce guide est de fournir aux équipes d'entretien des lignes directrices à suivre lorsqu'elles tentent de résoudre des problèmes d'accumulation de neige sur les routes publiques. L'idée fondamentale de ce guide est de réduire le phénomène de poudrière à proximité des autoroutes à l'aide d'équipement placé face au vent tel que des clôtures à neige ou de modifications au paysage ou au terrain adjacent. Il est à remarquer que, en raison des hivers peu communs durant le cours de cette étude et du nombre limité de données en provenance de l'Est du Canada, les méthodes utilisées dans le calcul du mouvement de la neige ne sont qu'approximatives. Les buts ultimes poursuivis dans ce document consistent à améliorer les méthodes actuelles de contrôle d'accumulation de la neige et en développer de nouvelles dans l'intention de rendre les autoroutes plus sécuritaires et de réduire les coûts d'entretien associés à l'enlèvement de la neige.

CA SC TR

### Prosecuting officers and the administration of criminal justice in Nova Scotia : a study paper

see Royal Commission on the Donald Marshall, Jr., Prosecution, vol. 6 : prosecuting officers and the administration of criminal justice in Nova Scotia : a study paper

### Prospect '89 : population report

Calgary, Alta. : Calgary Regional Planning Commission, 1989. 31 p. : ill. Appendix (164 p.) laid in. CSI 89968 200. MICROLOG 90-04306 3 fiche

This report discusses the population of the Calgary Region and provides projections of future possibilities for growth of the Region. The projections are results which are likely to occur if the assumptions on which each projection are based hold true for the entire period under study. In addition to the main report, there is an appendix volume which contains similar projections for the following larger municipalities: Airdrie, Calgary, Canmore, Cochrane, High River, Okotoks, Strathmore and the rural municipalities of Bighorn, Foothills,



Rocky View, and Wheatland.  
AL MU SA ST

**Prospect '89 : wind erosion and soil salinity : an examination of current agricultural practices and government initiatives**

Calgary, Alta. : Calgary Regional Planning Commission, 1989. i, 36 p. : maps.  
MICROLOG 90-04192 1 fiche

Report examining wind erosion and soil salinity factors in the Calgary region. Explanations are given for the cause, impediments to control, and control of each.  
AG AL MU SC

**Prospect : the region's tourism market**

Calgary, Alta. : Calgary Regional Planning Commission, Regional Planning Services, 1989. 47 p. : ill. Bibliogr. CSI 89968.201.  
MICROLOG 90-04702 1 fiche

This document presents information on Albertans travelling in Alberta, Canadians travelling in Alberta, and the international market including current key international markets and characteristics of international visitors.  
AL CU MU ST

**Prospect, 1989 : infrastructure, regional utilities**

Calgary, Alta. : Calgary Regional Planning Commission, Regional Planning Services, 1989. iii, 39 p. : ill., maps. CSI 89968.202.  
MICROLOG 90-04851 1 fiche

This report takes the findings of the 1980 Calgary Regional Utilities Study and examines them from a 1989 perspective. It does this by using new municipal population projections prepared by the Calgary Regional Planning Commission, by looking at local changes to land use planning from 1980-89, and by looking at the age of the water and sewage systems. The 1980 Calgary Regional Utilities Study is summarized, including its recommendations.  
AL MU PL PW SC

**Prospect, 1989 : issues in employment and income**

Calgary, Alta. : Calgary Regional Planning Commission, Regional Planning Services, 1989. 51 p. : ill. Bibliogr. CSI 89968.203.  
MICROLOG 90-04852 1 fiche

This report of Project 1989 focuses on issues of employment and income. The report covers employment patterns in the Calgary region during the 1980s, using federal census data; employment by occupation type and industry group; the changes in employment by industry using shift-share analysis; how national and provincial economic growth, the performance of specific industries, and the strength of the regional economies influenced those changes; and the different trends in income levels during the 1990s, both by industry and by municipal averages.  
AL LA MU SA ST

**Prospective de la langue française au Québec : commentaires sur le rapport**

par A. Bernard...et al. Québec : Gouvernement du Québec, Conseil de la langue française, 1987. iii, 98 p. Bibliogr. (Notes et documents ; 55) ISBN 2-550-18089-5  
MICROLOG 90-05569 2 fiche

Quelles sont les avenues qui s'offrent au Québec comme société francophone? Laquelle de ces avenues devrait-elle ou voudra-t-elle choisir? Depuis sa création, le Conseil de la langue française a observé la situation linguistique québécoise, il s'est informé, il a consulté, il a tâché de photographier le plus fidèlement possible la réalité, afin d'éclairer et

d'orienter l'action immédiate ou à moyen terme. Ce document fait le relevé des tendances lourdes et donne les faits porteurs d'avenir dans les variables motrices de l'environnement extérieur à la langue, à savoir: démographie, technologie, économie, politique, culture et valeurs et l'Institut Gamma.  
CU PR QU SA

**Prospectus : Williston Substation to Kelly Lake Substation : proposal for a third 500kV transmission line**

Vancouver, B.C. : B.C. Hydro, 1989. 6 p. ill.  
MICROLOG 90-00753 1 fiche

This prospectus outlines the proposal for the transmission line and includes a brief description of the project and the proposed schedule for meeting a late 1994 in-service date; a summary of the rationale for a third 500 kV line, an outline of the studies planned to identify potential impacts of the new line; and an outline of the planned public consultation program.  
BC EN PR SC

**Prostitution -- Rev.**

by J.R. Robertson. Ottawa : Library of Parliament, Research Branch, 1989. 15 p. Bibliogr. (Current issue review ; 82-2E) ISBN 0-660-13370-9  
MICROLOG 90-03032 1 fiche

Discusses the development of the criminal law, proposals for change, the Fraser Committee, Bill C-49, and recent developments. It also presents parliamentary action on this matter.  
CA CI JU SA

**La Prostitution de rue : effets de la loi : rapport de synthèse**

Ottawa : Ministère de la justice, Section de la recherche, 1989. viii, 131 p. Bibliogr. L'éd anglaise (Street prostitution...) : 90-01363/2 ISBN 0-662-95504-8  
MICROLOG 90-01364 2 fiche

En décembre 1985, le Parlement adoptait le projet de loi C-49 afin de régler le problème de la sollicitation sur la voie publique. Ce projet de loi remplaçait l'article 195.1 du Code criminel par un nouvel article selon lequel le fait de tenter d'arrêter une personne ou de communiquer avec elle, dans un endroit public (redéfini pour inclure les véhicules privés), pour retenir les services sexuels d'une personne qui se livre à la prostitution constitue une infraction criminelle. Le projet de loi contenait en outre une disposition prévoyant un examen de la loi au plus tard trois ans après son adoption, cet examen devant durer au maximum un an. Ce document se penche sur la question et formule un rapport de synthèse.  
BS CA JU SA

**La Prostitution de rue : effets de la loi, Calgary, Regina, Winnipeg**

par A. Brannigan, L. Knafla et C. Levy. Ottawa : Ministère de la justice, 1989. xiv, 282 p. : ill., cartes géogr. Bibliogr. L'éd anglaise (Street prostitution...Calgary...) : 90-05350/3. ISBN 0-662-95549-8  
MICROLOG 90-05335 4 fiche

Ce rapport présente les résultats d'une enquête sur la sollicitation de rue, sur l'adoption d'une nouvelle loi destinée à la réduire et sur les principaux effets voulus et non voulus de cette loi. Cette recherche a principalement porté sur Calgary, mais les auteurs ont également tenté d'obtenir des données sur les effets de cette loi en effectuant de brèves études sur le terrain à Regina et à Winnipeg. Ce rapport porte sur la période qui va de décembre 1985 à décembre 1987. Ils ont examiné toutes les décisions publiées à la fin du mois d'avril 1988. Lorsque c'est possible, le document fournit les nouveaux développements intervenus pendant la rédaction du rapport en 1988.  
AL CA JU MS SA

**La Prostitution de rue : effets de la loi, Halifax**

par F. Graves. Ottawa : Ministère de la justice, 1989. vii, 203 p. : cartes géogr. Bibliogr. L'éd anglaise (Street prostitution Halifax) : 90-05352/3 ISBN 0-662-95552-8  
MICROLOG 90-05351 3 fiche

Le projet de loi C-49 a été adopté par le Parlement en décembre 1985. Le but de la loi était de faciliter l'application des dispositions relatives à la prostitution de rue et le contrôle de la fréquence des activités de prostitution. Le ministère de la Justice a commandé des évaluations des effets de la loi C-49 sur le contrôle et la pratique de la prostitution dans cinq villes canadiennes. Ces évaluations portent principalement sur la mise en oeuvre et l'application de la Loi et les changements intervenus depuis qu'elle a été adoptée, dans la pratique de la prostitution. Ce rapport présente les conclusions de l'évaluation faite à Halifax  
AP CA JU SA

**La Prostitution de rue : effets de la loi, Montréal**

Robert Gemme ; avec l'assistance de Nicole Payment et Lucie Malenfant. Ottawa : Ministère de la justice, 1989. xxi, 351 p. Bibliogr. L'éd anglaise (Street prostitution Montreal) : 90-04132/4. ISBN 0-662-95551-X  
MICROLOG 90-05319 4 fiche

Ce document porte principalement sur les points suivants. Évaluation de la Loi C-49 à Montréal; objectifs de l'étude, contexte méthodologique, la Loi C-49 et les systèmes de contrôle policier et judiciaire à Montréal; la Loi C-49 et les pratiques de la prostitution à Montréal, l'impact de la loi sur la prostitution juvénile, la loi et la communauté, sommaire des impacts et des recommandations; ainsi qu'une évaluation de la Loi C-49 à Trois-Rivières traitant des mêmes points.  
CA JU QU SA

**La Prostitution de rue : effets de la loi, Toronto**

par S. Moyer et P.J. Carrington. Ottawa : Ministère de la justice, 1989. xv, 257 p. Bibliogr. L'éd anglaise (Street prostitution Toronto) : 90-04182/3  
MICROLOG 90-05318 3 fiche

Il est généralement admis que la prostitution de rue est devenue un problème communautaire à Toronto à la fin des années 1970, suite à la fermeture des studios de massage de la rue Yonge. En 1977, on découvrit sur le toit d'un studio de massage le corps d'un jeune homme - Emmanuel Jacques, un cireur de chaussures qui travaillait dans les rues Yonge et Dundas toutes proches de là. Cet événement a déclenché une tempête de protestations qui ont amené l'adoption d'un règlement municipal autorisant la police à fermer les studios de massage qui bordaient la rue Yonge sur quelques blocs au nord de la rue Dundas. Ce document se penche sur la question de la prostitution à Toronto.  
CA JU ON SA

**La Prostitution de rue : effets de la loi, Vancouver**

John Lowman ; avec l'aide de Laura Fraser. Ottawa : Ministère de la justice, 1989. xxv, 377 p. : ill., cartes géogr. Bibliogr. L'éd anglaise (Street prostitution Vancouver) : 90-05321/4. ISBN 0-662-95548-X  
MICROLOG 90-05320 5 fiche

Cette étude sur la prostitution à Vancouver fait le recueil de données qualitatives et quantitatives sur tous les aspects des pratiques de la prostitution (prostitué(e)s et clients, souteneurs et entremetteurs, prostitution de rue, de bar, d'hôtel, de salons de massage ou de services d'escorte) et des pratiques de son



contrôle (que ce soit du système de justice pénale ou des agences de contrôle social).  
BC CA JU SA

**Protecting Alberta's future -- why we oppose the Federal Goods and Services Tax (GST)**

Alberta. Edmonton : The Province, 1989.  
20 p. : ill.  
MICROLOG 90-02280 1 fiche

This publication presents a case against the goods and services tax. It discusses the federal tax grab, conflict between federal fiscal policy and monetary policy, harmful economic effects, increased Alberta deficit, and fiscal centralization.  
AL CI CO PR

**La Protection accordée par la loi américaine aux dénonciateurs dans le secteur privé**

par D. Johansen. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989.  
34 p. Bibliogr. (Etude générale ; BP-209F) L'éd. anglaise (U.S. legislative protection...) sur la même fiche. ISBN 0-660-92714-4  
MICROLOG 90-01905 1 fiche

Ce document porte sur la protection légale accordée aux Etats-Unis (niveau fédéral et Etats) aux employés de la Fonction publique qui dénoncent des méfaits commis par l'employeur. Il expose aussi la situation qui existe actuellement au Canada, où aucune loi n'a encore été adoptée tant au palier fédéral que provincial pour protéger les dénonciateurs dans le secteur public. Enfin, il fait état des recommandations de la Commission de réforme du droit de l'Ontario visant à accorder aux employés du secteur public de cette province une protection législative qui reprendrait certains éléments du système en vigueur au sein de l'administration fédérale américaine  
CA EX JU

**Protection of children's interests in custody disputes**

Edmonton : University of Alberta, Institute of Law Research and Reform, 1984. ii, 42 p. (Report ; no. 43) ISSN 0317-1604  
MICROLOG 90-01822 1 fiche

The purpose of this report is to describe and make recommendations about a procedure which has been initiated and evolved over the past eighteen years by the judges of the Court of Queen's Bench of Alberta and its predecessors for getting at the facts in disputed child custody cases. The procedure is based upon the appointment of an *amicus curiae* to represent the interests of the child or children.  
AL CI PR SA

**Protection of propellers in ice**

prepared for Transport Canada Research and Development Centre ; by Davis Engineering Limited ; authors: F.R. Livingstone, M.F. George, T.C. Currie. Ottawa : Transport Canada, Research and Development Centre, 1983. 3 v. : ill. Bibliogr. Contents: Vol. I : Assessment of protection schemes -- vol. II : Detail design of protection schemes -- vol. III : Test results, analysis, and discussion.  
MICROLOG 90-00365 6 fiche

Study to develop a method of protecting the propellers of Arctic class icebreaking vessels so that they do not come in contact with large fragments of ice. Vol. I reports on the investigation and evaluation of propeller protection schemes applicable to single and multi-screw ships. The major concepts identified and investigated are ducts (nozzles), ring propellers, deflecting fins, bilge keels, propeller cages, open (partial) tunnels, and in-hull propulsion systems. Various devices within each concept are developed and each device is critically reviewed. Having established the most promising protection schemes, the concepts are

developed in vol. II, using the hull forms of POLAR 7 (3-screw), PIERRE RADISSON (2-screw), and MV ARCTIC (1-screw) as a basis. Propeller design and means of manoeuvring are addressed for each case. Vol. III analyses the results obtained from a series of ship model tests.  
CA NO PS SC TR

**Protocol for collecting wildlife and fisheries information through FRDA research**

by S.K. Stevenson and D.F. Hatler. S.I. : Forest Resource Development Agreement, 1989. vi, 21 p. Bibliogr. (FRDA report ; 080) ISSN 0835-0752 ISBN 0-7726-0963-2  
MICROLOG 90-01773 1 fiche

The Canada-British Columbia Forest Resource Development Agreement (FRDA) has committed \$300 million to backlog reforestation and intensive silviculture. Regional technical committees develop and implement projects to provide foresters with additional information. Most of the Northern Interior Technical Advisory Committee's R&D projects involve methods of encouraging conifer growth by inhibiting the growth of competing vegetation using such methods as mechanical site preparation, prescribed fire, and herbicide application. This report reviews the effects of silvicultural practices on wildlife and fish, reviews current FRDA projects, explains the 3 levels of the protocol for measuring effects, and presents recommendations at the project and program levels.  
BC EV FO PR SC

**Protocols for research vessel cruises within the Gulf Region (demersal fish), 1970-1987**

edited by: Thomas Hurlbut and Douglas Clay. Moncton, N.B. : Dept. of Fisheries and Oceans, Marine and Anadromous Fish Division, Gulf Fisheries Center, 1990. vi, 134 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2082) ISSN 0706-6473  
MICROLOG 90-06809 2 fiche

Canadian government research surveys for demersal (groundfish) species have been conducted since the mid-1950s in the southern Gulf of St. Lawrence, on the Nova Scotia Shelf and in the Bay of Fundy. This manual updates an earlier 1981 version, outlining standard demersal fish research sampling protocols, coding, and data definitions used from 1983-87. In addition, background information on types of surveys and cruise preparation is given.

• AP CA CF FI SC

**Providing fish and wildlife information from new and current FRDA research**

S.I. : Canada-British Columbia Economic and Regional Development Agreement, 1988. 2 p. (Research memo ; no. 052)  
MICROLOG 90-02837 1 fiche

Summary of the results of a FRDA project to review existing Northern Interior Technical Advisory Committee projects for their potential to provide information on impacts on wildlife and fish and their habitat; to recommend modifications to those projects that offer the greatest opportunities to integrate wildlife and fisheries concerns; and to prepare a set of specific guidelines for measuring wildlife/fisheries response to silvicultural treatments for use in future silvicultural research projects.  
• BC CA EV FO SC

**Providing the balance of power : Ontario Hydro's plan to serve customers' electricity needs : demand/supply plan report**

Ontario Hydro. Toronto : Ontario Hydro, 1990. xv, 371 p. : ill. CSI 56125.200.  
MICROLOG 90-06673 5 fiche

This report is one of a series of documents dealing with Ontario Hydro's plan to serve customer's electricity needs. The report contains a comprehensive discussion of the background to, and elements of, Hydro's proposed plan to meet future needs, and the alternatives that were considered. The report covers the basic load forecast, the existing system, requirements for demand/supply options, costing concepts, the elements of demand management, the concepts of non-utility generation, the primary and firm load forecast, rehabilitation of existing facilities, the requirements and options of new supply, and approvals needed.  
EN ON PR SC ST

**Providing the balance of power : Ontario Hydro's plan to serve customers' electricity needs : environmental analysis**

Ontario Hydro. Toronto : Ontario Hydro, 1990. 136 p. : ill. Bibliogr. CSI 56125.201.  
MICROLOG 90-06674 2 fiche

One of a series of documents dealing with Ontario Hydro's plan to serve customer's electricity needs. This environmental analysis identifies and compares major environmental characteristics of alternative demand/supply plans, comments on any significant differences, and provides a broad analysis of their comparative advantages and disadvantages.  
EN EV ON PR ST

**Providing the balance of power : Ontario Hydro's plan to serve customers' electricity needs : overview**

Ontario Hydro. Toronto : Ontario Hydro, 1990. 48 p. : ill. CSI 56125.202.  
MICROLOG 90-06672 1 fiche

Brochure setting out the need for electricity in Ontario and the need for a plan to meet those needs while taking the environment into consideration. Because of the disparity between supply and demand, Ontario Hydro is proposing a balance between the building of new generation and the implementation of conservation and the introduction of many small sources of electric power. The brochure describes these potential sources and suggests priorities which would help choose the best methods.  
EN ON PR SC ST

**Province of Prince Edward Island sixteenth annual statistical review, 1989**

Prince Edward Island. Dept. of Finance. Economics, Statistics and Fiscal Analysis Division. Charlottetown : The Division, 1990. x, 85 p. : ill. CSI 61104.002.  
MICROLOG 90-05830 1 fiche

This pamphlet provides basic information about the province including data on population composition, provincial symbols (flowers, birds, trees, capital), counties, transportation systems, news media, climate summary, labour force, and general economic indicators. Statistics and government financial statements conclude this document.  
AP CO PR ST

**Provincial Crown land plan for the R.M. La Broquerie**

Manitoba Crown Land Classification Committee. Winnipeg : The Committee, 1989. ii, 29 p. : fold. map.  
MICROLOG 90-07155 1 fiche

This plan classifies to various land uses the provincial Crown lands in the Rural Municipality of La Broquerie. The document describes the components in planning, the plan goals and objectives for agriculture, fisheries, forestry, heritage resources, outdoor recreation and parks and wildlife; and the various



classifications used. A general plan implementation is included.  
MS PL PR SC

### Provincial Crown land plan for the Virde-Wallace Planning District -- Draft

Manitoba Crown Land Classification Committee.  
Winnipeg : The Committee, 1990. 33 p. : fold.  
map.  
MICROLOG 90-07015 1 fiche

Covers the Crown Land planning components, the plan goals and objectives, addressed by sector, Crown Land use classifications, and a general plan implementation. The Provincial Land Use Committee of Cabinet approves all Provincial Crown Land Plans, including plan amendments. The Crown Land Classification Committee prepares the plan and consults with local planning authorities respecting the plan and plan amendments prior to review by the Provincial Land Use Committee of Cabinet.  
MS PL PR PW SC

### Provincial financial assistance to municipalities, boards and commissions, 1989

Toronto : Ministry of Municipal Affairs, 1989.  
71, 79 p. : ill. *Bilingual (Aide financière  
provinciale...)*. CSI 55115.003. ISSN 0383-  
5855  
MICROLOG 90-03344 2 fiche

The provincial government provides funding through a wide variety of programs to help municipalities, boards and commissions achieve their goals. This publication is a guide to those provincial programs, offering a brief description of each, and indicating where more detailed information can be obtained.  
CO MU ON PA PR

### Provincial highways : construction projects, 1990-91

Downsview, Ont. : Ministry of Transportation ;  
Ministry of Northern Development and Mines,  
1990. 77 p. : ill., maps. *French ed (Routes  
provinciales : projets...)* on the same fiche  
*Includes: Northern transportation : construction  
projects, 1990-91 (38 p.)*. CSI 55120.004.  
ISSN 0714-1149  
MICROLOG 90-05142 3 fiche

This publication presents the proposed Capital Construction projects for 1990-91. It includes new highway projects to commence this fiscal year as well as unfinished contracts from previous years that will have significant expenditure this year. The projects provide for rehabilitation of existing highways and bridges as well as construction of new links, to relieve congestion and support economic development. Also included are projects to be undertaken by the Ministry for other authorities or agencies under cost sharing agreements. Information is given on both specific activities by type and by district, as well as a financial summary of Northern Ontario.  
ON PR SC TR

### Provincial highways : traffic volumes, 1988 : King's highways, secondary highways, tertiary roads

Toronto : Ministry of Transportation,  
Transportation Capital Branch, Highway  
Planning Office, 1989. v. 184 p. : ill.  
CSI 55120.006. ISSN 0822-6873  
MICROLOG 90-06070 3 fiche

Annual report for 1988 on traffic volume on the provincial highway network on the King's highways (Queen Elizabeth Way, highways 2-169 and the 400 series), secondary highways, tertiary roads and selected 7000 series highways. The report presents a series of overall system summaries on traffic volume and accidents, travel experience, highway distance by classification and number of lanes. Data are presented by highway. Includes: location

description, length of the section in kilometres, pattern of traffic type, annual average daily traffic, summer average daily traffic, summer annual weekday daily traffic, and winter average daily traffic.  
ON PR SC ST TR

### Provincial Holdings Ltd. : Annual report 1987

Fredericton : The Corporation, 1988. 9, 9 p.  
*Bilingual*. CSI 46150.001.  
MICROLOG 90-02586 1 fiche

This annual report provides the statements of the financial position of the provincial holdings.  
AP CO PA PR

### Provincial Holdings Ltd. : Annual report 1988

Fredericton : The Corporation, 1989. 11, 11 p.  
*Bilingual*. CSI 46150.001. ISSN 0847-3072  
ISBN 1-55048-113-4  
MICROLOG 90-05616 1 fiche

These financial statements review general revenues and expenditures as well as changes in their financial position. Notes to the financial statements are also included.  
AP CO PR PW

### Provincial legislation affecting unaccompanied refugee minors : research abstract

Ottawa : Employment and Immigration Canada,  
Immigration, 1989. 5, 5 p. *Bilingual (Les Lois  
provinciales ayant...)* ISBN 0-662-56902-4  
MICROLOG 90-02968 1 fiche

The main focus of this study is the situations of young people who enter Canada to live in foster homes or group homes, and not with family members, or who have uncertain prospects for their care in Canada. It examines how provincial statute and case laws affect these unaccompanied refugee minors. It is concerned with guardianship and tutorship, access to education, adoption of unaccompanied refugee minors after their arrival in Canada, and application of child-protection statutes to unaccompanied refugee minors.  
● CA EX JU

### Provincial Senior Citizens Advisory Council (Alta.) : Annual report 1989 : promoting healthy aging : directions for the future

Edmonton : The Council, 1990. x, 35 p. : ill.  
Bibliogr. CSI 35199.002  
MICROLOG 90-05191 1 fiche

The theme of this report is promoting healthy aging through a coordinated, comprehensive approach to policy and programs for older people in the province. It contains recommendations for future programs and services for older people in the province and reviews the activities of the Council during the year.  
AL PR SA

### Provincial tax comparison, 1989 -- Rev.

Winnipeg : Dept. of Finance, Taxation Division,  
1989. iii, 57 p. CSI 42186.002.  
MICROLOG 90-03898 1 fiche

Compares the following taxes: amusement, fuel, corporation capital, diesel, gas and electricity, gasoline, income, insurance corporation, mining, motor vehicle registration, sales, and tobacco.  
CO MS PA PR ST

### Provincial tax reforms : options and opportunities

by D.W. Conklin and F. St-Hilaire. Halifax :  
Institute for Research on Public Policy, 1990.  
xi, 192 p. Bibliogr. CSI 99545.201. ISBN  
0-88645-111-6  
MICROLOG 90-06863 3 fiche

This publication is intended to provide for the non-specialist a fresh look at provincial tax reform options and opportunities. Part I begins with the basic principles of tax reform, considering alternative objectives and general options in tax design. Part II examines the current differences among provincial economic circumstances and the tax structures. Part III deals with the process and implications of federal tax reform, from the 1987 proposals to the GST draft legislation  
● CA CO PA ST

### Provincial-municipal social services review : a discussion paper

Toronto : Ministry of Community and Social  
Services ; Municipal Social Services  
Association ; Association of Municipalities of  
Ontario, 1989. 130 p.  
MICROLOG 90-01360 2 fiche

Outlines current roles and responsibilities for the delivery and funding of social services and provides an overview of 6 major program areas. It identifies a range of potential options for the future partnership in social services within each program area. It also presents broad issues relating to provincial-municipal roles in social services which form the basis for the key questions in the final chapter.  
ON PR SA

### Provisional domestic substances list

Ottawa : Environment Canada, 1990. 2 v.  
*Bilingual (Liste intérieure provisoire...)*  
Contents. Vol 1 : Registry number index --  
vol 2 : Substance name index At head of  
title: Canadian Environmental Protection Act  
ISBN 0-662-57463-X  
MICROLOG 90-06843 10 fiche

The Canadian Environmental Protection Act was proclaimed on June 30, 1988. While most of the Act's provisions were implemented immediately, the new substances notification and assessment provisions cannot be initiated until the domestic and non-domestic substances lists, called for by Section 25 of the Act, are in place. Environment Canada is in the process of preparing the domestic substances list (DSL). This document contains two indices to the provisional DSL. Vol. 1 is a registry number index listing chemical abstracts (CA) service registry numbers in ascending numerical sequence followed by the associated CA index name and the molecular formula when the substance is well defined. Vol. 2 contains a substance name index alphabetically ordering the listing of substance names, including the CA index name, CAS synonyms for each substance on the provisional DSL and unambiguous substance names provided by submitters, in the language used for nomination.  
● CA EV SC

### La Psittacose (ornithose) : résumé des risques sur le plan professionnel

par R. Bertolini. Hamilton, Ont. : Centre  
canadien d'hygiène et de sécurité au travail,  
1989. i, 4 p. Bibliogr. ISBN  
0-660-92662-8  
MICROLOG 90-01136 1 fiche

La psittacose est une maladie infectieuse de l'âtre humain caractérisée par des symptômes semblables à ceux de la grippe. Le document se penche sur les professions à haut risque, donne la description de l'infection, et se penche sur les diagnostics et les traitements de prévention.  
● CA HE LA

### Public accounts digest, 1988-89

British Columbia Ministry of Finance and  
Corporate Relations. Victoria : The Ministry,  
1990. 37 p. : ill. CSI 37106.004. ISSN 0840-  
948X  
MICROLOG 90-04455 1 fiche



The public accounts contain the full combined, consolidated and trust statements together with supporting schedules presented here in summary form including information on Crown corporations. Overviews the financial process of the Province, and presents data on revenues and expenditures, financial requirements and sources and public debt.  
BC CO PA PR

#### Public accounts for the Northwest Territories for the year ended March 31, 1988

Northwest Territories. Dept. of Finance. Yellowknife : The Dept., 1988. 166 p. CSI 74102.002  
MICROLOG 90-00712 2 fiche

This document contains an auditor's report, and a statement of the government's financial standing including supplementary financial statements.  
CO NO PA PR

#### Public accounts of British Columbia, 1988-89

British Columbia. Ministry of Finance and Corporate Relations. Victoria : The Ministry, 1990. 3 v. Contents: Vol. 1 : Financial statements -- vol. II : Schedule of payments -- vol. III : Trust funds, Crown corporations and agencies. CSI 37106.005 ISSN 0382-2001  
MICROLOG 90-04578 9 fiche

The Public Accounts are the documents that contain the audited financial statements of the government and other such financial information presented to the Legislative Assembly to show compliance with various statutory authorities. Contains combined and consolidated financial statements, trust funds, and supplementary schedules to the financial statements with details of expenditures by ministerial appropriations, statutory appropriations and special fund transactions. Includes detailed schedules of salaries, wages, travel expenses and other payments. Also includes financial statements of Crown corporations and other government agencies, trust funds, including pension and superannuation funds administered by the government.  
BC CO PA PR

#### Public accounts of Ontario, 1988-89

Toronto : Ministry of Treasury and Economics, 1989. 3 v. Contents: Vol. 1 : Financial statements -- vol. 2 : Financial statements of Crown corporations, boards, commissions -- vol. 3 : Details of expenditure. CSI 55121.009 ISSN 0381-2375  
MICROLOG 90-03044 11 fiche

Contains financial statements, schedules to the financial statements, miscellaneous statements, and Ministry statements.  
CO ON PA PR

#### Public accounts of the Northwest Territories, 1988-89

Yellowknife : Dept. of Finance, 1989. 180 p. CSI 74102.002  
MICROLOG 90-02782 2 fiche

Contains an auditor's report, financial statements, supplementary schedules to the financial statements, and supplementary financial statements.  
CO NO PA PR

#### Public accounts of the province of New Brunswick, 1988-89

New Brunswick. Fredericton : The Province, 1989. 2 v. Bilingual (Comptes publics..). CSI 45105.008 ISSN 0382-1277  
MICROLOG 90-02395 10 fiche

Contains statements of the financial position of the province. Included are supplementary statements, and revenue and expenditures by department.  
AP CO PA PR

#### Public accounts of the province of Nova Scotia for the fiscal year ended March 31, 1988

Halifax : Dept. of Finance, 1990. 2 v. Contents: Vol. 1 : Financial statements -- vol. 2 : Agencies and funds. CSI 51105.005  
MICROLOG 90-03307 5 fiche

Presents accounts for the general government, and reviews ordinary expenditure with an analysis of departmental expenditure and recovery.  
AP CO PA PR

#### Public accounts of the Province of Prince Edward Island, 1988-89

Prince Edward Island. Dept. of Finance. Charlottetown : The Dept., 1989. 395 p. CSI 61104.007  
MICROLOG 90-04155 5 fiche

Contains detailed statistical examination of financial position of the Consolidated Fund, Crown corporations and other provincial agencies of the province as of 31 March 1989 and the statements of current revenue and expenditures, capital expenditures, change in net debt and change in financial position.  
AP CO PA PR ST

#### Public accounts, 1987-88

Québec (Province). Ministère des finances. Québec : The Ministère, 1989. 3 v. Contents: Vol. 1 : Financial statements of the Gouvernement du Québec -- vol. 2 : Details of revenue, appropriations and expenditure of the Gouvernement du Québec -- vol. 3 : Financial statements of special funds and revolving funds of the Gouvernement du Québec. CSI 66120.005E ISSN 0706-2869 ISBN 2-550-19032-7  
MICROLOG 90-04297 8 fiche

The Public Accounts are published in three volumes: volume 1 contains financial statements of the gouvernement du Québec; volume 2 presents details of revenue, appropriations and expenditure; and volume 3 contains financial statements of the special funds and revolving funds.  
CO PA PR QU

#### Public accounts, 1988-89

Edmonton : Alberta Treasury, 1990. 549 p. CSI 34118.006  
MICROLOG 90-03048 6 fiche

This document contains financial statements of the province and supplementary information required by legislation or by direction of the provincial treasurer. It includes an alphabetical index of funds and agencies.  
AL CO PA PR

Winnipeg : Manitoba Finance, 1989. 2 v. Contents: Vol. 1 : Financial statements for the consolidated fund -- vol. 2 : Supplementary information. CSI 41111.003  
MICROLOG 90-02775 4 fiche

The public accounts consists of three volumes: volume 1 contains the financial statements of the consolidated fund of the province and schedules of supporting information, volume 2 is a supplementary volume which contains further details of the expenditures by standard expenditure object codes, volume 3 (not included here) contains the summary financial statements of the province.  
CO MS PA PR

Saskatchewan. Regina : The Province, 1989. 3 v. Contents: Vol. 1 : Main financial statements -- vol. 2 : Supplementary financial statements -- vol. 3 : Details of revenue and expenditure activity. CSI 71119.007  
MICROLOG 90-04159 8 fiche

The Public Accounts include primarily the financial statements of the Consolidated Fund, the Saskatchewan Heritage Fund and the Combined Funds. The Consolidated Fund is the general fund into which all public monies

received are credited except where the Legislative Assembly has directed otherwise. The Heritage Fund is a Fund established by the Legislative Assembly to receive all nonrenewable resource revenues and certain other revenues as specified in the Heritage Fund Act.  
CO MS PA PR

#### Public accounts, 1988-89, vol. 3 : summary financial statements

Winnipeg : Manitoba Finance, 1990. 30 p. CSI 41111.017  
MICROLOG 90-06877 1 fiche

This document contains consolidated statements of financial position, of revenue and expenditure, and of changes in financial position. It also includes schedules to the financial statements, and notes to the financial statements.  
CO MS PA PR

#### Public administration and management vocabulary

by R. Pepermans. Ottawa : Translation Bureau, Terminology and Linguistic Services Branch, 1990. xv, 775 p. Bibliogr. (Terminology bulletin ; 194) Bilingual (Vocabulaire de l'administration...). ISBN 0-660-55655-3  
MICROLOG 90-06869 9 fiche

Contains the terminology used in the Canadian public service as well as those private-sector terms that have become part of the public administration vocabulary. It will interest both the public servant who deals with private companies and the contractor who has ongoing relationships with the government. The corpus contains 7,000 entries, with 2,400 definitions and a French-English glossary.  
CA PA

#### Public and independent schools book : a complete listing of schools and principals as at Sept. 30, 1989

Victoria : Ministry of Education, 1989. 67 p. CSI 37103.002. ISSN 1180-1751  
MICROLOG 90-06330 1 fiche

The schools are indexed by district number. It also provides a telephone number for all principals listed.  
BC ED PR

#### Public and private schools in Manitoba : enrolment estimates, 1989-1993

Winnipeg : Dept. of Education and Training, Schools' Finance Branch, 1989. 198 p. CSI 41107.006  
MICROLOG 90-00573 3 fiche

Provides information on school division/district changes. The enrolment estimates are presented in terms of a provincial summary, public school summaries, divisions, remote districts, special revenue districts, private schools, and closed schools.  
ED MS PR

#### Public Archives of Nova Scotia : Annual report 1988

Halifax : The Archives, 1989. 70 p. Bibliogr. CSI 52130.001  
MICROLOG 90-05199 1 fiche

The Public Archives is divided into different divisions: Manuscript, Public Records, Library, Photographs and Documentary Art, Map/Architecture and Film and Sound. This document features a report from each division. Each section outlines the major activities and accomplishments that have occurred during the period of April 1, 1988 to March 31, 1989. Public service statistics round out this annual report.  
AP CU PR ST



**Public consultation report : facilities development process**

Toronto : Ontario Waste Management Corporation, 1988. ii, 307 p. Bibliogr. MICROLOG 90-02865 4 fiche

Description of the program by which Ontario Waste Management Corp. (OWMC) consulted with the public from the time OWMC was announced in November 1980 to September 1988. The report also contains a summary of the major issues and concerns raised by the public, including the actual issues or concerns raised in each phase, OWMC's response at that time, and for a current response and more detail, a reference to the EA submission volume where each particular issue or concern is addressed. Concerns are listed under siting; marketing; facility design, development and operation; communications; and regulations. EV ON PR SC

**Public Consultative Forum on Adaptive Communications Technology : proceedings**

Public Consultative Forum on Adaptive Communications Technology (1989 : Winnipeg, Man.). Winnipeg : Decade of Disabled Persons Office, 1989. 34 p. Bibliogr. MICROLOG 90-07158 1 fiche

Report of the forum, held to create the opportunity whereby groups and individuals with an interest could make their views known concerning adaptive communication technologies. Those in attendance primarily represented consumer advocacy and self-help organizations, and service providers and their associations. Verbal presentations were received from 8 organizations, 3 of whom provided written submissions which are included in this report. Summaries of each of the presentations are given, along with the general recommendations of the forum. MS PR SA SC TE

**The Public Contributions Act : Annual report 1988**

Edmonton : Alberta Consumer and Corporate Affairs, 1989. 606 p. CSI 34103.002. MICROLOG 90-06601 7 fiche

This annual report lists the names of organizations that received approval to conduct campaigns in the province for charitable purposes during 1988. It also lists the financial statements received to January 31, 1989. AL PA PR

**The Public Contributions Act : Annual report 1989**

Edmonton : Alberta Consumer and Corporate Affairs, 1990. 621 p. CSI 34103.002. MICROLOG 90-05175 7 fiche

Lists organizations authorized to conduct charitable campaigns during 1989, and provides, for each, a financial statement of campaign revenue and expenses. AL CU PR

**Public library legislation : a proposal for public review**

Victoria : Ministry of Municipal Affairs, Recreation and Culture, 1990. 19 p. Bibliogr. MICROLOG 90-05839 1 fiche

Since public library legislation was first introduced in 1919, British Columbia has undergone fundamental social, cultural and economic changes. The library legislation has fallen out of step with these changes, and local governments and public libraries need a modern legislative framework to guide them into the next century. This paper reflects the views which were synthesized by the Task Force and provides another opportunity for public comment before new provincial legislation

for libraries is pursued. BC CU JU PR

**Public opinion regarding AIDS policy : fear of contagion and attitude toward homosexual relationships**

by H.C. Northcott and L. Reutter. Edmonton : University of Alberta, Dept. of Sociology, Population Research Laboratory, 1989. 23 p. Bibliogr. (Edmonton area series report ; no. 66) ISSN 0703-8763 MICROLOG 90-06440 1 fiche

Examines public attitudes toward selected AIDS policies and tests the extent to which fear of contracting AIDS on the one hand, and attitude toward homosexuality on the other hand, influence opinions regarding the screening of potentially infected persons and the isolation of those already identified as infected. The data for this study are drawn from a 1989 survey of a representative sample of the adult residents of Edmonton. • CA CI HE SA

**Public opinion regarding the economic support of seniors**

by H.C. Northcott. Edmonton : University of Alberta, Dept. of Sociology, Population Research Laboratory, 1990. 17 p. Bibliogr. (Edmonton area series report ; no. 67) ISSN 0703-8763 MICROLOG 90-06441 1 fiche

This study examines the extent to which the general public anticipates a future crisis regarding Canada's ability to support its elderly population and analyzes public opinion regarding a variety of policy alternatives designed either to increase revenues or reduce expenditures for seniors. The data for this study are drawn from a 1989 survey of a representative sample of the adult residents of the Province of Alberta. • CA CO SA

**Public opinions about B.C. parks : summary report**

Victoria : B.C. Parks, 1990. 11 p. : ill. MICROLOG 90-05585 1 fiche

In May 1989, the B.C. Ministry of Parks conducted a mail survey with a random sample of 3,956 adult B.C. residents. The return rate was 76 percent. The survey identified some of the benefits that B.C. felt they received from having a provincial park system; determined if British Columbians were satisfied with the way the Ministry of Parks has carried out several management responsibilities; and identified those park programs to which British Columbians would like to see more emphasis given in the next few years. This document includes some of the initial findings of this survey. BC CU PR

**Public policing in Nova Scotia**

see Royal Commission on the Donald Marshall, Jr., Prosecution, vol. 2 : public policing in Nova Scotia

**Public servants' and teachers' pension plans : cost and risk sharing options : report no. 3**

by S.Y.M. Bharmal. Toronto : Public Sector Pensions Consultations Division, 1989. 19 p. MICROLOG 90-01994 1 fiche

This document presents one cost and risk sharing option in which the employer assumes the risk, and another in which there is equal risk sharing. It discusses other options and provides concluding remarks. CO ED ON PR

**Public Trustee of Manitoba : Auditor's report and financial statements, 1988-89**

Manitoba. Provincial Auditor. Winnipeg

The Office, 1989. 6 p. CSI 42169.002. MICROLOG 90-06254 1 fiche

Contains a balance sheet of estates and trusts under administration, a statement of cash receipts and disbursements, and notes to the financial statements. CO MS PA PR

**Public Utilities Board for the Province of Alberta : Annual report 1989**

Edmonton : The Board, 1990. 66 p. : ill. CSI 35168.001. MICROLOG 90-06051 1 fiche

Annual report of the Board, presenting details of regulatory activities in telecommunications, electricity, water and natural gas utilities, as well as comparing increases in utility rates with inflation. Discusses public participation in a procedural review report and public inquiries and complaints. Other functions and responsibilities include general supervision of utilities, municipal supply contracts and special franchise agreements, milk prices, duties pursuant to the Electric Energy Marketing Act, municipally-owned utilities, rural gas utilities, complaints under the NOVA Corp. of Alberta Act, appeals of the Alberta cost of service, compensation fixing duties, the Energy Resources Conservation Board hearings, gas processing costs and inquiries. A list of applications to the Board is included, as well as an overview of responsibilities and administrative functions. AL PR PW SC ST

**Public Works Canada's dredging operations at the mouth of the Red River : environmental effects**

by D. Povoledo. Ottawa : Environmental Protection Service, Western and Northern Region, 1990. iii, 37 p. : maps. Bibliogr. (Report : CP(EP) WNR 89/90-9) MICROLOG 90-06744 1 fiche

Routine dredging operations are performed by Public Works Canada (PWC) downstream of the city of Winnipeg, to ensure navigability of the Red River and Lake Winnipeg and for recreational, fisheries and commercial activities. Twelve sites were selected in 1987, 3 of them in the Red River and 9 in the lake or at other tributary mouths. This report presents the results of a preliminary study on the level of inorganic and organic contaminants present in the dredged sediment at the mouth of the Red River to establish whether additional sampling is warranted and to assess the environmental acceptability of current PWC dredging practices. The study area is the mouth of the Red River where it enters Lake Winnipeg and sampling was done in June before and in August after 1987 dredging operations. • CA EV MS PA SC

**Pucerons infestant les crucifères au Canada**

par D.G.R. McLeod et D.T. Lowery. Ottawa : Agriculture Canada, 1989. 15 p. : ill. L'éd anglaise (*Aphids infesting...*) sur la même fiche. ISBN 0-662-95636-2. MICROLOG 90-04995 1 fiche

Cette publication permet l'identification rapide et fiable, sur le terrain, des pucerons qui infestent les crucifères. Les tableaux d'identification sont utiles pour reconnaître les milliers de pucerons trouvés dans le monde. On y examine principalement les pucerons verts du pêcher, du chou et du navet. Finalement, la publication jette un regard sur les autres pucerons et sur le cycle biologique de ces derniers. AG CA SC

**The Pulp mill pollution problem in Neroutsos Inlet, B.C.**

by D.J. Stucchi. Sidney, B.C. : Dept. of Fisheries and Oceans, Institute of Ocean



Sciences, 1990. v. 48 p. : ill. (Canadian technical report of hydrography and ocean sciences ; no. 124) ISSN 0711-6774 MICROLOG 90-03933 1 fiche

Neroutsos Inlet is part of the Quatsino Sound group of inlets located on the northwest end of Vancouver Island. Port Alice, situated on the east side of the inlet 5 km from the head, is the location of a sulfate pulp mill built in 1917 and presently owned by Western Pulp Ltd. Partnership. The impact of effluent discharge from the pulp mill on water quality in Neroutsos Inlet has been a long-standing concern leading to a number of environmental studies and pollution abatement measures. Increased pollution abatement equipment has been added over the years, but there are still increasingly severe low dissolved oxygen (DO) levels. This report examines oceanographic and water quality data collected in the Inlet in 1986 and 1987 by the Institute of Ocean Sciences and the pulp mill staff. Water quality monitoring data consists of measurements of temperature, salinity, and concentrations of DO and spent sulfate liquor at discrete depths. Oceanographic data consists of moored instrument data and synoptic data collected during cruises.

• BC CA CF EV FO SC

#### **Pulpwood agreements and the wood-fibre-processing industry**

Victoria : Ministry of Forests, 1990. 6 p. MICROLOG 90-04759 1 fiche

The pulpwood agreement was devised in the early 1960s to superimpose a pulpwood industry over the existing sawmilling industry in the province's central interior. Under a pulpwood agreement, the agreement holder must buy all suitable fibre - typically chips and pulp logs - offered at a reasonable price, before being given the right to harvest timber. This fact sheet provides general information on pulpwood agreements, including their purpose, the designation of pulpwood areas, advertising requirements, evaluation, agreement conditions, and the major project review process in the case of expansion of facilities.

BC FO PR SC

#### **Pulse-width dependent radiation effects on electronic components**

by T. Cousins. Ottawa : Defence Research Establishment Ottawa, 1989. xi, 22 p. : ill. Bibliogr. (Technical note ; no. 89-33) MICROLOG 90-03410 1 fiche

In order to realistically simulate the effects of the prompt gamma-ray pulse associated with a nuclear weapon on electronics, an electron linear accelerator (LINAC) is often used. The pulse widths available from most LINACs are longer than the typical battlefield pulse. This report examines the effects of varying pulse widths on selected electronic devices and summarizes recent work at a variable pulse-width facility located at Chalk River Nuclear Laboratories.

CA PS SC TE

#### **Pushkin Hills Provincial Nature Reserve : management plan**

Toronto : Ministry of Natural Resources, 1988. i, 13 p. : maps. Bibliogr. MICROLOG 90-01833 1 fiche

Pushkin Hills Provincial Nature Reserve is a 5 ha nature reserve class provincial park located 100 km northeast of the Town of Kirkland Lake and 600 km north of Toronto. This management plan covers the classification, goal and objectives of the park management; zoning; resource management policies for wildlife management, mineral activity, and vegetation management; operations policies for visitors and research; development policies; and implementation priorities.

CU ON PR

#### **Putting the pieces together : case studies on the deployment of information technology**

Ottawa : Industry, Science and Technology Canada ; Information Technology Association of Canada, 1989. 166 p. Bibliogr. French ed. (A votre tour d'assembler...) : 90-02204/2. MICROLOG 90-02205 2 fiche

Examines the process that a company has to go through to get a system up and running and, by comparing this process for 15 companies, attempts to identify common elements. The methodology, a summary and a commentary are included, as well as the case studies themselves, featuring the line of business involved and what system was implemented.

CA TE

#### **Qualité de l'air à l'intérieur des foyers du Nouveau-Brunswick : radon et produits de filiation**

Fredericton : Ministère de la santé et des services communautaires, Service de radioprotection, 1989. 10, 8 p. Bilingue (Indoor air quality...). MICROLOG 90-03198 1 fiche

Ce document se penche sur la question et renseigne sur la qualité de l'air à l'intérieur des foyers du Nouveau-Brunswick en ce qui concerne le radon et les produits de filiation.

AP EV PR SC

#### **Quality as business strategy and management tool**

by S.O. Olsen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 6 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5248) Originally published in Norwegian. ISSN 0704-3716 MICROLOG 90-02723 1 fiche

Report considering different approaches to the concepts of market, production and strategic quality. A concept model was prepared to map the different sources of quality and their mutual connections and to prepare the central elements in a quality system for the Norwegian fishing industry. Only the table of contents and the introduction are reproduced.

• CA CF CO FI SC

#### **Quality aspects of fish and fishery products in catching, storage, and processing**

by E.M. Anderson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 16 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5302) Originally published in Swedish, by the Swedish Veterinary Journal, in Sweden. ISSN 0704-3716 MICROLOG 90-02113 1 fiche

Description of fish as a raw material and discussion of the opportunities and limitations for directly utilizing or further processing the raw material for frozen consumer products. Biochemical, physical and microbiological changes in fish and fishery products that are of importance for quality are also described.

• CA CF FI SC

#### **Quality assurance in the diagnostic X-ray department -- 2d ed.**

by L.D. Brown. Regina : Saskatchewan Human Resources, Labour and Employment, Occupational Health and Safety Branch, 1987. 43 p. : ill. MICROLOG 90-03973 1 fiche

Review of X-ray quality assurance procedures which are commonly implemented in the diagnostic radiology departments of small and medium size hospitals in Saskatchewan. It explains the way in which responsibility for various aspects of quality assurance is divided between the radiologists, the hospital

administrators, the X-ray service company engineers, the Radiation Safety unit of the Dept. of Human Resources, Labour and Employment, the regional X-ray consultants and the technologists responsible for the hospital X-ray departments. It also provides guidance notes on the establishment of a comprehensive quality assurance program in a small or medium size hospital.

HE LA MS PR SC

#### **Quality deterioration of fresh ocean perch exported from Troms to continental Europe**

by G. Fredriksen and T. Olsen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 23 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5431) Originally published in Norwegian, by the Fisheries Directorate, at Tromsø, Norway. ISSN 0704-3716 MICROLOG 90-00621 1 fiche

To observe and control the deterioration in the quality of the ocean perch exported from Norway, handling procedures were followed from the time the fish was caught on the fishing grounds, through the processing and export, to markets in West Germany, Belgium, and France. The paper describes the condition of the fish at the various markets and lists the good and bad points noticed in each market.

• CA CF FI SC

#### **Quality evaluation of Saskatchewan lignite resources : physical and chemical analyses**

by T.E. Tibbitts. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1975. 21 p. : ill. Bibliogr. (Report ; ERP 75-10(PRJ)) Presented at the annual General Meeting of the Canadian Institute of Mining and Metallurgy. MICROLOG 90-04677 1 fiche

Since 1972, Canada and the Province of Saskatchewan have been cooperating in a jointly financed program to evaluate the lignite resources in the Ravenscrag Formation of southern Saskatchewan. In 1972 and 1973, a 2-phased drilling program was conducted in the 4 major coal areas, Estevan, Willow Bunch, Wood Mountain and Shaunavon. This paper outlines the procedures followed to evaluate the physical and chemical properties and to record for subsequent electronic processing the data resulting from the analyses of about 4,900 samples.

• CA CM MS NR SC

#### **The Quality of drinking water in Toronto : a review of tap water, bottled water and water treated by a point-of-use device : summary report**

by P.R.W. Kendall. Toronto : Dept. of Public Health, 1990. ii, 45 p. MICROLOG 90-07047 1 fiche

This study is the first stage of a larger research effort to identify and assess routes by which chemicals enter the body through water, air, food and soil. Water was chosen as the first area of investigation because of high public concern over sources of drinking water, as well as increasing scientific concern about the effects of consuming small quantities of toxic contaminants over a lifetime. The study reviewed the current data available on drinking water sources in Toronto, both tap water and alternatives, and the regulatory framework controlling quality, assessed public perceptions and the use of tap water and its alternatives such as bottled water and water treated in the home; measured and assessed the actual levels of chemical and bacteriological contamination of drinking water in municipally treated water and alternative sources, evaluated the exposures and risks associated with



chemicals and bacteria in drinking water from all major sources; and reviewed the various control options for reducing chemical and bacteriological exposures.  
EV MU ON SC

#### Quality of western Canadian feed barley, 1989

Winnipeg : Canadian Grain Commission, Grain Research Laboratory, 1988. 6 p. (Crop bulletin ; no. 179). CSI 22192.011. MICROLOG 90-00910 1 fiche

Review of the conditions under which the 1989 barley crop was grown and harvested, as well as preliminary quality data for the No. 1 Canadian Western grade.  
AG CA SC

#### Quality of western Canadian malting barley, 1989

by D.E. LaBerge and K.H. Tipples. Winnipeg : Canadian Grain Commission, Grain Research Laboratory, 1989. 14 p. : ill., map. (Crop bulletin ; no. 180). MICROLOG 90-01438 1 fiche

Bulletin describing the quality of malting barley grown in Alberta, Manitoba and Saskatchewan. The bulletin covers weather and harvesting, production estimates, sampling and general crop quality, the quality of various types, and methods of testing.

• AG AL CA MS SC

#### Quality of western Canadian wheat, 1989

by K.H. Tipples. Winnipeg : Canadian Grain Commission, Grain Research Laboratory, 1989. 30 p. : ill. Prepared for the Meeting of the Committee on Western Grain Standards. CSI 22192.003. ISSN 0829-8718. MICROLOG 90-00739 1 fiche

Bulletin presenting detailed information on the quality of the 1989 crop of red spring wheat, amber durum wheat, red winter wheat and soft white spring wheat offered on the world market. Data are also presented from the protein content survey and from tests on grade composite samples of the 4 classes of wheat.  
AG AL CA MS SC ST

#### Quantification of hydrocarbon emissions from the Canadian gasoline marketing distribution system

Concord Scientific Corporation. Ottawa : Petroleum Association for Conservation of the Canadian Environment, 1986. 72 p. Bibliogr. (PACE report ; no. 86-3). MICROLOG 90-02794 1 fiche

This study identifies and quantifies the total hydrocarbon emissions in the gasoline marketing and distribution system on a province-by-province basis; estimates the benzene emission from the marketing and distribution system; and assesses the importance of these hydrocarbon emissions relative to the total national anthropogenic volatile organic compounds (VOC) emissions. Emissions resulting from storage and loading losses at marketing terminals and bulk plants, losses in transit, and delivery, storage, and vehicle refuelling losses at service stations are quantified for each province and territory for 1983. The overall uncertainty in the emissions data calculated in the study is estimated at 50%.

• CA EN EV SC

#### A Quarterly econometric model of the Canadian dairy industry

by D.P. Stonehouse and E. Kizito. Ottawa : Agriculture Canada, Policy Branch, 1990. 65 p. : ill. Bibliogr. (Working paper ; 4/90). MICROLOG 90-05916 1 fiche

This document provides a history of econometric modelling efforts, and a theoretical framework for analysis, forecasting, and policy evaluation in the Canadian dairy industry. It

also presents the empirical model, specifications of equations, a discussion of equation specifications, and empirical results.  
AG CA CO

#### Quartz analysis X-ray diffraction with computer control : computer programs and explanations

by G. Knight. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1988. iii, 40 p. Bibliogr. (Report ; MRL 88-8(R)). MICROLOG 90-06013 1 fiche

This report provides the final version of the computer programs developed at the Elliot Lake Laboratory for the X-ray diffraction analysis of quartz and other analytes in mine airborne dust after collection on filters. Detailed explanations have been added to the programs to assist in their further development or rewriting if the computer facilities are updated.  
• CA CM NR PS SC

#### Le Quaternaire du Canada et du Groenland

rédacteur scientifique: R.J. Fulton. Ottawa : Commission géologique du Canada, 1989. 907 p. : ill., cartes géogr. Bibliogr. (Géologie du Canada ; no. 1). L'éd. anglaise (Quaternary geology of Canada...) : 90-03256/9. ISBN 0-660-92537-0. MICROLOG 90-03257 10 fiche

Ce premier volume de la Géologie du Canada a pour objectif de présenter une synthèse de la géologie quaternaire du Canada et du Groenland. Il porte sur les points suivants: l'aspect régional de la géologie quaternaire du Canada; les matériaux, la stratigraphie et les événements du Quaternaire; l'histoire du Quaternaire, les aspects thématiques de la géologie du Quaternaire; la géologie quaternaire du Groenland, et, l'inlandsis du Groenland.  
CA NR PS SC

#### Quaternary geology and glacial dispersal in the Strange Lake area, Labrador

by M.J. Batterson. St. John's : Dept. of Mines and Energy, Geological Survey Branch, 1989. xi, 51 p. : ill., maps. Bibliogr. (Report ; 89-3). ISSN 0843-8972. ISBN 0-920769-48-9. MICROLOG 90-03763 1 fiche

The Strange Lake Zr-Nb-Y-Be-REE deposit is situated 145 km west of Nain, Labrador on the Labrador-Quebec border. This study of the Strange Lake deposit area focuses on aspects of glacial dispersion, including the lithology of boulder train(s) and the geochemical signature of the deposit in Quaternary sediments. Down-ice dispersion patterns and geochemical trends are also documented.  
AP NR PR PS SC

#### Quaternary geology of Canada and Greenland

edited by R.J. Fulton. Ottawa : Geological Survey of Canada, 1989. 839 p. : ill., maps. Bibliogr. (Geology of Canada ; no. 1). French ed. (Le Quaternaire du Canada...) : 90-03257/10. ISBN 0-660-13114-5. MICROLOG 90-03256 9 fiche

Synthesis and overview of the Quaternary geology of Canada and Greenland, covering regional aspects of the Quaternary geology of Canada and supplying descriptive information on the nature of Quaternary materials, stratigraphy and events and a review of Quaternary history; topical aspects of the geology which apply in general to all regions of Canada, and the regional aspects of geology of Greenland, including the Greenland ice sheet.  
CA NR PS SC

#### Quaternary geology of the Bancroft area, southern Ontario

by P.J. Barnett. Toronto : Ministry of Northern Development and Mines, Mines and Minerals

Division, 1989. 93 p. : ill., maps. Bibliogr. (Ontario Geological Survey report ; 262). Fold. maps not filmed. ISSN 0704-2582

ISBN 0-7729-4939-5  
MICROLOG 90-01850 2 fiche

Basic geological data on the distribution, properties, and history of the various unconsolidated deposits exposed at or near the surface in the Bancroft area, approximately 1000 sq km mainly within Hastings County.  
NR ON PR PS SC

#### Quaternary stratigraphy and overburden geochemistry in the Phanerozoic terrane of southern Manitoba

by E. Nielsen. Winnipeg : Manitoba Energy and Mines, Geological Services, 1989. vi, 78 p. : ill., maps. Bibliogr. (Geological paper ; GP87-1). MICROLOG 90-05056 1 fiche

Report on a detailed overburden geochemistry and Quaternary stratigraphic analysis in an area where the galena erratic was found and in the up-ice direction in the Phanerozoic terrane of southern Manitoba. A total of 372 backhoe pits, ranging between 1 and 5 metres in depth, were dug in the Balmoral-Komarno area in the southern Interlake, the Moosehorn-Gypsumville area in the central Interlake and the Swan Lake-Dawson Bay area in the northern Westlake area. All the major lithosomes were sampled at least once in each area. Till was sampled in every hole but glaciolacustrine sediments were sampled in only a few places. In each area the glacier flow direction was determined from striations and the orientation of flutes. The surficial geology of each area was mapped from air photos or acquired from pre-existing maps. Each sample consisted of 25 kgs collected for heavy mineral separation, 8 kgs collected for textural analyses and pebble counts, and 0.5 kg collected for geochemistry.  
MS NR PR PS SC

#### Quaternary stratigraphy and surficial geology of the Sand River area 73L

by L.D. Andriashek and M.M. Fenton. Edmonton : Alberta Research Council, Natural Resources Division, Terrain Sciences Dept., 1989. vii, 154 p. : ill., maps. Bibliogr. (Bulletin ; no. 57). Fold. maps not filmed. MICROLOG 90-01184 2 fiche

The recent expansion of the heavy oil industry in east-central Alberta has placed demands for new and varied sources of geologic construction material, as well as an understanding of the geotechnical and hydrogeological properties of the overburden. In anticipation of this need for surface and subsurface information, a study was initiated in 1976 of the Pleistocene and Holocene deposits that overlie the heavy oil sand in the Sand River map area (NTS 73L). This report describes the Quaternary stratigraphy, surficial geology, and Quaternary history of the area.  
AL NR PR PS SC

#### The Quebec economy : planning, analysis and evaluation, 1988-89

Ottawa : Industry, Science and Technology Canada, 1989. viii, 237 p. : ill., maps. French ed. (L'Economie du Québec...) : 90-00827/3. CSI 21149.004. ISBN 0-662-17028-8. MICROLOG 90-00826 3 fiche

The publication depicts recent trends in Quebec's economy and industrial base against a national and international background. It also provides an overview of the economy in each region of the province, with particular attention to major communities. It includes structural analyses on the following topics: industrial research and development; the dissemination of technology; and the pulp and paper industry.  
CO PR QU ST



# **Le Québec énergétique -- Rév.**

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1989. 32 p. : ill. L'éd. anglaise (Energy Québec) sur la même fiche. ISBN 2-550-19710-0 MICROLOG 90-04183 1 fiche

Ce document porte sur l'énergie au Québec. Il se penche particulièrement sur les points suivants: une épopée déjà centenaire, un savoir-faire tiré d'expériences uniques; l'électricité comme puissant levier économique; l'électricité au-delà des frontières; le pétrole et sa distribution; l'industrie québécoise de la pétrochimie, le gaz naturel comme nouveau partenaire, et, les énergies 'douces' redécouvertes, maîtrisées. EN PR QU SC

# **Le Québec et ses régions : principales caractéristiques de la population**

Québec : Bureau de la statistique du Québec, Statistiques régionales, 1990. 72 p. CSI 67131.224. ISBN 2-551-12415-8 MICROLOG 90-06148 1 fiche

Essentiellement tiré du recensement de la population de 1986, dont les dernières données ont été rendues disponibles au début de 1989, le contenu de ce recueil de statistiques porte sur la population, les familles, les ménages et le logement. Il présente plus de 50 variables dont les données sont ventilées en près de 400 sous-catégories pour chacune des régions administratives et le Québec. L'évolution dans le temps de certaines variables-clés est illustrée à travers les taux de variation au cours des périodes de 1971 à 1986, de 1976 à 1986 et de 1981 à 1986. PR QU SA ST

# **Quebec occupational health and safety plan, 1979-88 : a ten-year statistical and financial overview**

Quebec : Gouvernement du Québec, Commission de la santé et de la sécurité du travail du Québec, 1989. 36 p. : ill. CSI 67137.201. ISBN 2-550-19804-2 MICROLOG 90-03586 1 fiche

Covers the Quebec labour market, industrial accidents and occupational diseases, the cost and administration of the occupational health and safety plan, protective reassignment of pregnant or breast-feeding workers, and prevention. It also provides a comparison with other plans. HE LA PR QU ST

# **Le Québec statistique, 1989 -- 59e éd.**

Québec : Gouvernement du Québec, Bureau de la statistique du Québec, 1989. 1028 p. : ill., cartes géogr. CSI 67131.015. ISBN 2-551-08483-0 MICROLOG 90-03607 11 fiche

Le Bureau de la statistique du Québec célèbre son 75e anniversaire. C'est l'un des plus vieux organismes du gouvernement du Québec. Ce document se penche sur les points suivants les 75 ans du Bureau de la statistique du Québec; le Québec il y a 75 ans; les comptes économiques de 1926 à 1987, revue des années 1985-87, les institutions politiques et administratives du Québec, la situation démographique du Québec en 1985 et 1986, l'évolution socio-économique et les pratiques de loisir au Québec depuis la récession de 1982, la situation régionale; et, les relations internationales. PR QU ST

# **Québec's forest resources and industry : statistical information, 1986-87**

Sainte-Foy, Que. : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1987. 54 p. : ill., maps. French ed. (Ressource et industrie...) : 90-03676/1. CSI 66110.002. ISSN 0827-1771 ISBN

2-550-17945-5  
MICROLOG 90-03677 1 fiche

Description of the geography and area of the forests in Quebec, along with administrative boundaries of both private forests and Crown land, types of ownership and tenure, and forest cooperatives. An inventory of commercial forests is given for both area and gross merchantable volume. Data is included on treatment for spruce budworm and other insects and diseases, forest fires, annual allowable cut and harvest, transportation of lumber to mills, reforestation, and imports and exports of roundwood and chips. Data is also included on other sectors of the forest industry such as the sawmill industry and the veneer and plywood industry, economic indicators, and the importance of the forest sector in Quebec's economy. FO PR QU SC ST

# **Québec (Province). Bureau d'audiences publiques sur l'environnement : Rapport annuel 1988-89**

Québec : le Bureau, 1989. 36 p. Bibliogr. CSI 67217.001. ISSN 0711-5571 ISBN 2-551-12216-3 MICROLOG 90-04018 1 fiche

Le document présente le rapport annuel du Bureau d'audiences publiques sur l'environnement pour l'exercice financier prenant fin le 31 mars 1988-1989. Il porte principalement sur le Bureau d'audiences publiques sur l'environnement, lieu privilégié pour la participation du citoyen à la gestion de l'environnement, et les réalisations. EV PR QU SC

# **Québec (Province). Bureau du coroner : Rapport annuel 1988**

Québec : le Bureau, 1989. 73 p. CSI 67284.001. ISSN 0835-5258 ISBN 2-551-084616-X MICROLOG 90-00984 1 fiche

Ce rapport annuel porte sur les activités du coroners et les activités du Bureau du coroner en chef. On y donne des renseignements sur la classification statistique des décès et accidents signalés aux coroners, le fonctionnement général et l'organisation, les ressources humaines et financières ainsi qu'un grand nombre d'annexes et de tableaux. JU PR QU ST

# **Québec (Province). Bureau du coroner : Rapport annuel 1989**

Québec : le Bureau, 1990. 88 p. CSI 67284.001. ISSN 0835-5258 ISBN 2-551-14184-2 MICROLOG 90-07260 1 fiche

Le rôle du coroner est de rechercher les informations pertinentes suite aux décès où des questions se posent aux fins de satisfaire le besoin de savoir, de permettre l'exercice des droits et de contribuer à la prévention des décès évitables. Ce rapport annuel trace les grandes lignes des activités du Bureau des coroners. Inclut un rapport statistique sur les décès signalés aux coroners. JU PR QU ST

# **Québec (Province). Bureau du Vérificateur général : Rapport à l'Assemblée nationale 1988-89**

Québec : le Bureau, 1989. 286 p. : ill. CSI 67253.001. ISSN 0713-3944 ISBN 2-5510-8521-7 MICROLOG 90-05761 3 fiche

Ce document contient le rapport annuel du Vérificateur général du Québec ainsi que ses commentaires sur la situation financière du gouvernement pour l'exercice se terminant le 31 mars 1989. Le rapport inclut des remarques générales, les résultats de la vérification du gouvernement et ministères, des

fonds spéciaux, des organismes et entreprises du gouvernement, du ministère de l'Énergie et des Ressources, de la Commission administrative des régimes de retraite et d'assurances, d'autres offices et sociétés, et de l'utilisation des subventions accordées par le ministère de la Santé et des Services sociaux, ainsi que le rapport d'activités du vérificateur général. PA PR QU

# **Québec (Province). Centre de recherches minérales : Summary of the annual report 1988-89**

Sainte-Foy, Que. : The Centre, 1989. 4 p. CSI 67159.001. MICROLOG 90-06903 1 fiche

The Mines Branch of the Ministry of Energy and Resources assures the management and development of the mineral industry in Quebec. The Centre de Recherches Minérales offers technical and scientific assistance to mining companies in mineral analysis, metallurgy, ore dressing, and mining technology. This English summary of the annual report presents the main technical contributions to the sector, revenues and expenditures and outlook for the coming year. NR PR PS QU SC

# **Québec (Province). Comité de la protection de la jeunesse : Rapport annuel 1988-89**

Québec : le Comité, 1989. 58 p. Bibliogr. CSI 67218.001. ISSN 0711-0251 ISBN 2-551-08523-3 MICROLOG 90-05501 1 fiche

Le Comité est une ressource mise à la disposition des jeunes pour assurer le respect et la promotion de leurs droits. Ce rapport annuel présente d'abord les activités en région, les activités des membres, et, les activités du siège social. Le document contient aussi un résumé des prises de position du Comité sur divers sujets d'actualité. Certains thèmes sont illustrés de cas réels. Les annexes présentent une liste des membres en fonction durant l'exercice et une liste du personnel. JU PR QU SA ST

# **Québec (Province). Commission administrative des régimes de retraite et d'assurances : Rapport annuel 1988**

Québec : la Commission, 1989. 70 p. CSI 67160.001. ISSN 0825-6578 ISBN 2-551-08469-5 MICROLOG 90-00989 1 fiche

Présente le rapport annuel de la Commission administrative des régimes de retraite et d'assurances pour l'année 1988 et se penche particulièrement sur, la Commission administrative des régimes de retraite et d'assurances; la Commission et le Comité de retraite; l'entité administrative; le bilan des activités; les perspectives et objectifs pour 1989; et les états financiers. CO LA PR QU ST

# **Québec (Province). Commission administrative des régimes de retraite et d'assurances : Rapport annuel 1989**

Québec : la Commission, 1990. 80 p. : ill. CSI 67160.001. ISSN 0825-6578 ISBN 2-551-14171-0 MICROLOG 90-07259 1 fiche

Le mandat de la Commission consiste à administrer tout régime de retraite et d'assurances qui lui est confié par le Gouvernement ou en vertu d'une loi; et à agir comme organisme-conseil en matière d'avantages sociaux auprès des employeurs des secteurs public et parapublic et auprès du ministre délégué à l'Administration et président du Conseil du trésor. Ce rapport annuel



présente une vue d'ensemble des activités et des réalisations de la Commission. Inclut les perspectives et les objectifs pour 1990 ainsi que les états financiers.  
CO LA PR QU

**Québec (Province). Commission consultative de l'enseignement privé : Rapport annuel 1988-89**

Québec : la Commission, 1989. 125 p.  
CSI 67247.001. ISSN 0317-7327 ISBN 2-550-14969-6  
MICROLOG 90-04020 2 fiche

Ce document présente le rapport annuel de la Commission consultative de l'enseignement privé pour l'année 1988-1989. Il rend compte de l'ensemble des activités de la Commission et fait état des avis adoptés au cours de cette année. Il se penche particulièrement sur la présentation de la Commission consultative de l'enseignement privé; la composition, et les activités.  
ED PR QU

**Québec (Province). Commission d'accès à l'information : Rapport annuel 1988-89**

Québec : la Commission, 1989. 51 p.  
CSI 67212.001. ISSN 0823-0633 ISBN 2-551-08462-8  
MICROLOG 90-00981 1 fiche

Rapport annuel présentant la Loi sur l'accès aux documents des organismes publiés et sur la protection des renseignements personnels, qui établit le droit pour toute personne d'avoir accès aux documents détenus par les organismes publics dans l'exercice de leurs fonctions. On y examine les points suivants: la Commission d'accès à l'information et son mandat; l'organisation de la Commission; les activités de la Commission; les interventions de la Commission dans l'exercice de ses fonctions; et, le Rapport sur l'application de la Loi sur la protection des non-fumeurs dans certains lieux publics.  
PA PR QU ST

**Québec (Province). Commission d'accès à l'information : Rapport annuel 1989-90**

Québec : la Commission, 1990. 51 p.  
CSI 67212.001. ISSN 0823-0633 ISBN 2-551-14166-4  
MICROLOG 90-07254 1 fiche

Les pouvoirs et fonctions de la Commission peuvent être regroupés sous ces catégories: matière d'adjudication, matière de surveillance et de contrôle, matière de recommandation, et matière d'établissement de normes. Ce rapport annuel présente une vue d'ensemble des activités et des réalisations de la Commission. Fournit des informations sur le mandat et sur l'organisation de la Commission, ainsi que sur les interventions de la Commission dans l'exercice de ses fonctions.  
JU PA PR QU

**Québec (Province). Commission d'appel en matière de lésions professionnelles : Rapport annuel 1987-88**

Québec : la Commission, 1989. 39 p. : ill.  
CSI 67255.001. ISSN 0840-7916 ISBN 2-550-19142-0  
MICROLOG 90-07311 1 fiche

La Commission d'appel en matière de lésions professionnelles, créée en vertu de la Loi sur les accidents du travail et les maladies professionnelles, est l'organisme qui connaît et dispose en dernier ressort des décisions qui peuvent faire l'objet d'un appel en vertu de cette loi ainsi que des décisions qui peuvent faire l'objet d'un appel en vertu de la Loi sur la santé et la sécurité du travail. Ce rapport annuel présente le mandat et l'organisation de la Commission, puis résume ses activités quasi-

judiciaires et administratives pour 1987-88. Il décrit aussi le volume de travail, et la plan d'action et recommandations.  
LA PR QU

**Québec (Province). Commission d'appel en matière de lésions professionnelles : Rapport annuel 1988-89**

Québec : la Commission, 1989. 36 p.  
CSI 67255.001. ISSN 0840-7916 ISBN 2-550-19142-0  
MICROLOG 90-04133 1 fiche

La Commission d'appel en matière de lésions professionnelles, créée en vertu de la Loi sur les accidents du travail et les maladies professionnelles, est l'organisme qui connaît et dispose en dernier ressort des décisions qui peuvent faire l'objet d'un appel en vertu de cette loi ainsi que des décisions qui peuvent faire l'objet d'un appel en vertu de la Loi sur la santé et la sécurité du travail. Ce rapport annuel présente le mandat et l'organisation de la Commission, puis résume ses activités quasi-judiciaires et administratives pour 1988-1989.  
LA PR QU ST

**Québec (Province). Commission de protection de la langue française : Rapport annuel 1988-89**

Québec : la Commission, 1989. 19 p.  
CSI 67243.001. ISSN 0825-3714 ISBN 2-551-08491-1  
MICROLOG 90-03878 1 fiche

La Commission a pour mandat de traiter des questions se rapportant au défaut de respect de la Charte de la langue française. Ce rapport annuel présente la mission, le mode de fonctionnement et la structure du Conseil. On retrouve par la suite des renseignements sur la Direction des services aux clientèles, la Direction des services statistiques, le Service des communications et les Services administratifs.  
CU PR QU ST

**Québec (Province). Commission de reconnaissance des associations d'artistes : Rapport d'activités 1988-89**

Québec : la Commission, 1989. 10 p.  
CSI 67126.001. ISSN 0843-9591 ISBN 2-551-08478-4  
MICROLOG 90-04023 1 fiche

Ce document présente le rapport d'activité de la Commission de reconnaissance des associations d'artistes pour la période comprise entre le 1er avril 1988 et le 31 mars 1989. Il donne des renseignements sur les membres et le personnel de la Commission ainsi que sur l'origine, la nature, le mandat et les activités de la Commission.  
CU PR QU

**Québec (Province). Commission de reconnaissance des associations d'artistes : Rapport d'activités 1989-90**

Québec : la Commission, 1990. 10 p.  
CSI 67126.001. ISSN 0843-9591 ISBN 2-551-14117-6  
MICROLOG 90-07252 1 fiche

La Commission a pour fonctions principales de définir les secteurs de négociation des ententes collectives, de reconnaître les associations d'artistes compétentes à négocier des ententes collectives, de désigner un médiateur pour la négociation d'une entente collective et d'agir comme arbitre de différend à la demande des parties engagées dans la négociation d'une entente collective. Le document présente le rapport d'activités de la Commission de reconnaissance des associations d'artistes pour la période comprise entre le 1er avril 1989 et le 31 mars 1990.  
CU PR QU

**Québec (Province). Commission de toponymie : Rapport annuel 1987-88**

Québec : la Commission, 1988. 35 p.  
CSI 67280.001. ISSN 0714-2145 ISBN 2-551-08340-0  
MICROLOG 90-01000 1 fiche

On trouvera dans ce document un bref bilan des activités de la Commission, de son organisation et ses ressources ainsi qu'un compte rendu sommaire de ses décisions. De plus, on se penche sur les points suivants: l'organisation des appuis internes à la Commission, les relations avec l'Administration publique et parapublique, le secteur privé et le gouvernement fédéral, le rayonnement de la Commission de toponymie sur le plan national et international; les activités de communication; les inventaires toponymiques réalisés en 1987-1988, et la liste des municipalités dont l'analyse odonymique a été terminée en 1987-1988.  
NR PR PS QU SC

**Québec (Province). Commission de toponymie : Rapport annuel 1988-89**

Québec : la Commission, 1989. 41 p. Bibliogr.  
CSI 67280.001. ISSN 0714-2145 ISBN 2-551-12234-1  
MICROLOG 90-03888 1 fiche

Ce rapport annuel rend compte des activités de la Commission. On y trouve un bref bilan des activités, des renseignements sur l'organisation et les ressources, ainsi qu'un compte rendu sommaire de décisions.  
PR PS QU SC ST

**Québec (Province). Commission des affaires sociales : Rapport annuel 1987-88**

Québec : la Commission, 1989. 44 p.  
CSI 67162.001. ISSN 0229-3811 ISBN 2-551-08357-5  
MICROLOG 90-00992 1 fiche

La Commission des affaires sociales est un tribunal administratif d'appel qui entend les plaintes de personnes insatisfaites de décisions prises à leur sujet dans le domaine des affaires sociales et de la sécurité du revenu. Ce rapport annuel fait état de son fonctionnement général; traite plus spécifiquement de ses principales activités à l'intérieur de chacune de ses divisions; fait état du nombre de décisions rendues, et explique la nature des cas qui ont été soumis à son attention; fait un certain nombre d'observations ou de recommandations; et finalement, publie une liste des matières sur lesquelles elle a juridiction.  
PR QU SA ST

**Québec (Province). Commission des affaires sociales : Rapport annuel 1988-89**

Québec : la Commission, 1989. 42 p.  
CSI 67162.001. ISSN 0229-3811 ISBN 2-551-08503-9  
MICROLOG 90-05606 1 fiche

La Commission est un Tribunal administratif d'appel qui entend les plaintes de personnes insatisfaites de décisions prises à leur sujet dans le domaine des affaires sociales et de la sécurité du revenu. Ce rapport annuel couvre l'année financière 1988-89. Divisé en 4 parties, le document fait état du fonctionnement général de la Commission, traite des principales activités de chacune de ses divisions et informe sur le nombre et la nature des décisions rendues, énonce des observations et des recommandations, et publie une liste des matières sur lesquelles elle a juridiction.  
HE PR QU SA ST

**Québec (Province). Commission des normes du travail : Rapport annuel 1988-89**

Québec : la Commission, 1989. 37 p.



CSI 67235.001 ISSN 0715-9773 ISBN  
2-550-19812-3  
MICROLOG 90-06057 1 fiche

La Commission a pour mandat d'informer la population, de surveiller l'application des normes du travail et de recevoir les plaintes des salariés et de les indemniser. Ce rapport annuel brosse un portrait de la structure administrative et des activités de la Commission. Le document contient aussi une liste des priorités retenues pour la prochaine année.  
LA PR QU

**Québec (Province). Commission des services juridiques : Rapport annuel 1988-89**

Montréal : la Commission, 1989. 220 p. : ill.  
CSI 67199.001. ISSN 0703-0762 ISBN  
2-550-19636-8  
MICROLOG 90-05776 3 fiche

Ce rapport inclut la description des activités de la Commission des services juridiques, des corporations régionales et du comité de révision, et décrit la situation du réseau et les objectifs. Le rapport financier est accompagné du rapport des vérificateurs.  
JU PR QU ST

**Québec (Province). Conseil consultatif de la lecture et du livre : Rapport d'activités 1986-87 et 1987-88**

Québec : Gouvernement du Québec, Ministère des affaires culturelles, 1989. 43 p.  
CSI 66114.002. ISSN 0843-591X ISBN  
2-550-19507-8  
MICROLOG 90-01050 1 fiche

Le mandat du Conseil consultatif de la lecture et du livre est de donner son avis et de soumettre des recommandations au ministre, à la demande de ce dernier ou de sa propre initiative, sur toute question relative à la lecture, au livre et à l'application de la loi et des règlements. Ce document se penche sur la question et en fournit le rapport annuel.  
CU PR QU SC TE

**Québec (Province). Conseil consultatif du travail et de la main-d'œuvre : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 25 p.  
CSI 67198.002. ISSN 0319-1818 ISBN  
2-551-12221-X  
MICROLOG 90-04016 1 fiche

Ce document présente le rapport des activités du Conseil consultatif du travail et de la main-d'œuvre pour la période du 1er avril 1988 au 31 mars 1989. Il porte principalement sur les principaux sujets à l'étude en 1988-1989 et l'organisation générale du Conseil consultatif du travail et de la main-d'œuvre.  
LA PA PR QU

**Québec (Province). Conseil de la conservation et de l'environnement : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 25 p.  
CSI 67239.001. ISSN 0847-3595 ISBN  
2-551-08518-7  
MICROLOG 90-04131 1 fiche

Présente le rapport annuel du Conseil de la conservation de l'environnement pour l'année financière qui s'est terminée le 31 mars 1989. Ce rapport rend compte de l'ensemble des activités du Conseil et contient de multiples renseignements d'intérêt. Il se penche particulièrement sur le rôle du Conseil de la conservation et de l'environnement; le budget de 1988-1989, les activités faisant suite aux demandes du ministre de l'Environnement; les activités entreprises à l'initiative du Conseil, les activités entreprises à la demande du public; et les autres activités.  
EN EV PR QU

**Québec (Province). Conseil de la famille : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 14 p.  
CSI 67125.001. ISSN 0847-3587 ISBN  
2-551-12207-4  
MICROLOG 90-04128 1 fiche

Ce document présente le rapport annuel sur la Loi sur le Conseil de la famille pour l'année financière se terminant le 31 mars 1989. Il rend compte des toutes premières réunions du Conseil et résume l'avis sur les services de médiation familiale.  
PR QU SA

**Québec (Province). Conseil de la langue française : Rapport annuel 1987-88**

Québec : le Conseil, 1988. 36 p.  
CSI 67233.001. ISSN 0229-9259 ISBN  
2-551-08333-8  
MICROLOG 90-00999 1 fiche

Le Conseil de la langue française a été créé le 26 août 1977, lors de la sanction de la Charte de la langue française. Le présent rapport annuel couvre le onzième exercice du Conseil s'étendant du 1er avril 1987 au 31 mars 1988. Il comprend trois chapitres: le rapport du Président; la loi constitutive du Conseil, les ressources humaines et les moyens financiers mis à sa disposition; les activités du collège des conseillers, des comités du Conseil et des directions et services de la permanence.  
CU PR QU

**Québec (Province). Conseil de la langue française : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 32 p.  
CSI 67233.001. ISSN 0229-9259 ISBN  
2-551-12240-6  
MICROLOG 90-03886 1 fiche

Ce document présente le rapport d'activité du Conseil de la langue française pour l'année budgétaire terminée le 31 mars 1989. Il donne des renseignements sur l'accord du lac Meech; l'informatique en français; la langue d'affichage; les publications; le français sur la touche; les mots des Québécois; les industries de la langue; l'aménagement de la langue au Québec; le Conseil et la francophonie; le mandat, la composition, l'organisation et les ressources du Conseil de la langue française; les activités du Conseil; les subventions accordées et les récipiendaires de l'Ordre des francophones d'Amérique.  
PA PR QU SA

**Québec (Province). Conseil de la recherche et du développement en transport : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 24 p.  
CSI 67244.001. ISSN 0832-9206 ISBN  
2-551-08797-0  
MICROLOG 90-05090 1 fiche

Le CRDT a pour mandat d'étudier toute question relative à la recherche et au développement en transport, de donner des avis, et d'initier toute action visant la promotion de la recherche en transport. Ce rapport rappelle brièvement le mandat et le mode de fonctionnement du Conseil et fait état des principales activités menées durant l'exercice.  
PR QU SC TR

**Québec (Province). Conseil des affaires sociales et de la famille : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 22 p.  
CSI 67142.001. ISSN 0226-4323 ISBN  
2-551-08514-4  
MICROLOG 90-04015 1 fiche

Ce document présente le rapport annuel des activités de la Loi sur le Conseil des affaires sociales pour l'année financière 1988-1989. Il

porte particulièrement sur le Conseil des affaires sociales; les réalisations en 1988-1989 les avis au Gouvernement; les publications; les communications, et la liste des publications et documents audiovisuels disponibles.  
PA PR QU SA

**Québec (Province). Conseil des collèges : Rapport annuel 1987-88**

Québec : le Conseil, 1988. 36 p.  
CSI 67234.001. ISSN 0226-9147 ISBN  
2-5510-8346-X  
MICROLOG 90-01001 1 fiche

Présente le rapport annuel du Conseil des collèges et examine les points suivants: le Conseil; la Commission de l'évaluation, la Commission de l'enseignement professionnel; et le résumé des avis du Conseil.  
ED PR QU

**Québec (Province). Conseil des collèges : Rapport annuel 1988-89**

Québec : le Conseil, 1990. 34 p.  
CSI 67234.001. ISSN 0226-9147 ISBN  
2-551-12281-3  
MICROLOG 90-07272 1 fiche

Le Conseil a pour principale fonction de donner des avis au ministre de l'Enseignement supérieur et de la Science sur les projets et les matières visés dans l'article 14 de la Loi sur le Conseil des collèges ainsi que sur toute autre question concernant l'enseignement collégial qui lui est délégué par le Ministre. Ce rapport annuel présente la structure organisationnelle et administrative du Conseil et fait le bilan des activités de la Commission de l'évaluation et de la Commission de l'enseignement professionnel.  
ED PR QU

**Québec (Province). Conseil des services essentiels : Rapport annuel 1987-88**

Québec : le Conseil, 1988. 32 p. : ill.  
CSI 67281.001. ISSN 0830-8837 ISBN  
2-550-18978-7  
MICROLOG 90-00660 1 fiche

Le Conseil des services essentiels a été créé dans le but spécifique de protéger la santé et la sécurité du public lorsque survient une grève dans certains services publics. Une des tâches du Conseil consiste à évaluer si les services prévus à une entente ou, le cas échéant, à une liste syndicale sont suffisants pour assurer la santé ou la sécurité du public durant la grève. C'est également au Conseil que revient la responsabilité de veiller à ce que les services soient respectés pendant la grève. Ce rapport annuel rend compte de l'ensemble des activités du Conseil et contient de nombreux renseignements d'intérêt public.  
PA PR QU ST

**Québec (Province). Conseil des universités : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 33 p.  
CSI 67164.001. ISSN 0383-4611 ISBN  
2-551-12217-1  
MICROLOG 90-01658 1 fiche

Ce document constitue le 20e rapport annuel du Conseil des universités, créé en 1968 avec la mission de 'donner des avis sur les besoins de l'enseignement supérieur et de la recherche universitaire et de faire des recommandations sur les mesures à prendre pour combler ces besoins'. Il donne des renseignements sur les ressources du Conseil et ses activités.  
ED PR QU

**Québec (Province). Conseil du statut de la femme : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 28 p.  
CSI 67165.001. ISSN 0705-6435 ISBN  
2-551-08485-7  
MICROLOG 90-04010 1 fiche



Présente le rapport annuel du Conseil du Statut de la femme pour l'exercice financier 1988-1989. Le document porte essentiellement sur la présentation du Conseil; les avis et mémoires au Gouvernement; les orientations et activités, et les perspectives pour l'année 1989-1990.

PA PR QU SA

#### **Québec (Province). Conseil exécutif : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 53 p.  
CSI 65102 001. ISSN 0711-0022 ISBN  
2-551-08474-1  
MICROLOG 90-04017 1 fiche

Ce document présente le rapport des activités du ministère du Conseil exécutif pour l'exercice financier 1988-1989. Il porte principalement sur la présentation générale du Ministère; le Lieutenant-gouverneur, le cabinet du Premier ministre et les cabinets des ministres délégués; le Conseil des ministres; le Secrétariat général du Conseil exécutif; l'Aménagement et le Développement régional; l'organigramme; le Développement économique, les Affaires culturelles et sociales; la Condition féminine; la Réforme électorale, les Affaires autochtones; le Secrétariat à la jeunesse; le Secrétariat à la réforme administrative et aux emplois supérieurs; le Secrétariat de l'Ordre national du Québec; le Greffe; la Direction générale de l'administration; et la Loi sur la protection des non-fumeurs.

PA PR QU

#### **Québec (Province). Conseil permanent de la jeunesse : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 37 p. Bibliogr.  
CSI 67124 001. ISSN 0847-0227 ISBN  
2-551-08496-2  
MICROLOG 90-04369 1 fiche

Ce document présente le rapport des activités du Conseil permanent de la jeunesse pour la période du 1er avril 1988 au 31 mars 1989. Il se penche particulièrement sur les points suivants: le Conseil permanent de la jeunesse; la présentation du Conseil; les étapes de la création du Conseil permanent de la jeunesse; la composition du Conseil; le fonctionnement; les ressources financières pour l'exercice 1988-1989; les avis et commentaires au gouvernement; les appuis et les prises de position; les recherches et les consultations; les communications, et, les conclusions et perspectives.

PR QU SA

#### **Québec (Province). Conseil supérieur de l'éducation : Rapport annuel 1988-89**

Québec : le Conseil, 1989. 30 p. : ill.  
CSI 67143 001. ISSN 5823-4108 ISBN  
2-551-12242-2  
MICROLOG 90-05602 1 fiche

Le Conseil supérieur de l'éducation est un organisme de consultation et d'enquête composé de 2 comités confessionnels et de 4 commissions (enseignement primaire, secondaire, supérieur et éducation des adultes). Ce rapport annuel décrit les activités du Conseil, des comités et des commissions. On retrouve aussi des renseignements généraux sur le mandat et les ressources humaines et financières du Conseil.

ED PR QU ST

#### **Québec (Province). Conseil supérieur de l'éducation : Rapport annuel 1988-89 sur l'état et les besoins de l'éducation**

Québec : le Conseil, 1989. 113 p.  
CSI 67143 003. ISSN 0823-5066 ISBN  
2-551-12243-0  
MICROLOG 90-05270 2 fiche

Ce document présente un rapport en cinq chapitres sur l'orientation des élèves et des étudiants dans le système d'éducation. Le document donne la parole aux élèves et aux étudiants afin qu'ils disent comment ils vivent leur cheminement, quelles influences ils croient subir, quels obstacles ils rencontrent et quel soutien ils reçoivent; fournit un portrait statistique des cheminements des individus; fait état des facteurs culturels, sociaux et économiques qui influencent les cheminements des individus; aborde l'impact du système d'éducation lui-même sur l'orientation scolaire et professionnelle des individus; et, présente les divers services d'aide à l'orientation scolaire et professionnelle.

ED PR QU ST

#### **Québec (Province). Curateur public : Rapport annuel 1988**

Montréal : le Curateur, 1989. 36 p. : ill.  
CSI 66112 005. ISBN 2-550-19694-5  
MICROLOG 90-01011 1 fiche

Présente le rapport annuel du Curateur public. Ce dernier rend des services personnalisés pour des clients qu'il représente ou qu'il supervise dans leur rôle de représentants. Le document se penche sur les réalisations de 1988, les orientations du Curateur public; et les états financiers.

PA PR QU ST

#### **Québec (Province). Curateur public : Rapport annuel 1989**

Québec : le Curateur, 1990. 37 p. : ill.  
CSI 66112 005. ISBN 2-550-20892-7  
MICROLOG 90-07326 1 fiche

Le Curateur public administre les biens des personnes déclarées incapables et qui ne sont pas pourvues d'un tuteur ou d'un curateur, et exerce une surveillance des tuteurs et curateurs. Ce document contient un rappel de la Loi sur la Curatelle publique et des changements législatifs, les points saillants de 1989, les mandats et les faits saillants de chaque direction et service, ainsi que les rapports financiers pour cette période.

CO JU PR QU SA ST

#### **Québec (Province). Directeur général des élections du Québec : Rapport annuel 1988-89**

Québec : le Directeur, 1989. 60 p.  
CSI 67136 001. ISSN 0711-5067 ISBN  
2-550-20274-0  
MICROLOG 90-05743 1 fiche

Le Directeur général des élections est responsable de l'organisation de certains événements reliés au processus démocratique, dont le recensement, le scrutin et le financement des partis politiques. Ce rapport annuel couvre l'année 1988-89, il contient un sommaire des activités pour chacune des directions. Le document contient aussi le rapport d'activité de la Commission de la représentation électorale du Québec qui a pour mandat d'établir le délimitation des circonscriptions électorales et des secteurs électoraux du Québec.

PA PR QU ST

#### **Québec (Province). Direction générale de l'enseignement collégial. Secteur du perfectionnement de l'enseignement collégial : Rapport annuel 1988-89**

Québec : le Secteur, 1989. 84 p.  
CSI 67127 001. ISSN 0836-0316 ISBN  
2-550-19916-2  
MICROLOG 90-03359 1 fiche

Ce rapport annuel porte sur le secteur du perfectionnement de l'enseignement collégial et fait état des activités inscrites au plan de travail 1988-89 du Secteur du perfectionnement de la Direction des affaires éducatives de la Direction générale de l'enseignement collégial.

On y donne des renseignements sur la liste des activités autorisées en 1988-89 au programme Perfectionnement collectif et Stage en entreprise, la liste des recyclages réalisés en 1988-89 et des recyclages autorisés pour 1989-90 au programme Recyclage des enseignants mis en disponibilité dans les cégeps; et, la liste des activités autorisées en 1988-89 au programme Perfectionnement provincial des professionnels des cégeps.

ED PR QU

#### **Québec (Province). Fonds d'aide aux recours collectifs : Rapport annuel 1988-89**

Montréal : le Fonds, 1989. 43 p. : ill.  
CSI 67227 001  
MICROLOG 90-05601 1 fiche

Ce document présente le dixième rapport d'activités du Fonds d'aide aux recours collectifs, créé par la Loi sur le recours collectif. Il couvre l'exercice financier du 1er avril 1988 au 31 mars 1989 et porte particulièrement sur les points suivants: l'application de la loi, les décisions des administrateurs du Fonds d'aide, les procédures en recours collectif au Québec; l'information auprès du public, et, les états financiers vérifiés.

CO JU PR QU ST

#### **Québec (Province). Inspecteur général des institutions financières : Rapport annuel 1988-89**

Québec : l'Inspecteur, 1989. 44 p. : ill.  
CSI 66101 001. ISSN 0825-5903 ISBN  
2-551-08484-9  
MICROLOG 90-03880 1 fiche

Présente les principales réalisations en regard du contrôle et de la surveillance des compagnies d'assurances et des institutions de dépôt, et de l'enregistrement des entreprises. Comprend des organigrammes, un liste des lois administrées et un état des permis accordés aux compagnies étrangères.

CO PR QU ST

#### **Québec (Province). Ministère de l'agriculture, des pêcheries et de l'alimentation : Rapport annuel 1987-88**

Québec : le Ministère, 1989. 54 p.  
CSI 66103 001. ISSN 0715-6219 ISBN  
2-551-08380-X  
MICROLOG 90-00993 1 fiche

Le ministre de l'Agriculture, des Pêcheries et de l'Alimentation a les fonctions et les pouvoirs lui permettant de concevoir et d'appliquer les politiques et les programmes relatifs à la production, à la transformation, à la distribution, à la commercialisation et à la consommation des produits agro-alimentaires au Québec. Ce document présente le rapport annuel et donne des renseignements sur le Ministère, les programmes et les lois administrées.

AG FI PR QU SC

#### **Québec (Province). Ministère de l'agriculture, des pêcheries et de l'alimentation : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 55 p.  
CSI 66103 001. ISSN 0715-6219 ISBN  
2-551-12232-5  
MICROLOG 90-04011 1 fiche

Ce document présente le rapport annuel du ministère de l'Agriculture, des Pêcheries et de l'Alimentation pour l'exercice financier qui a pris fin le 31 mars 1989. Il se penche particulièrement sur le Ministère, les programmes, et les lois administrés.

AG FI PR QU SC

#### **Québec (Province). Ministère de l'éducation : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 103 p



CSI 66109.001. ISSN 0228-5785 ISBN  
2-551-0849-8  
MICROLOG 90-01013 2 fiche

Ce rapport rend compte de l'ensemble des activités du ministère de l'Éducation et contient de nombreux renseignements d'intérêt public. Il fournit des renseignements sur les points suivants: l'organisation, les réseaux, les organismes gouvernementaux, et, les faits saillants, les statistiques et les publications.  
ED PR QU ST

**Québec (Province). Ministère de l'énergie et des ressources : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 104 p.  
CSI 66110.001. ISSN 0228-2113 ISBN  
2-551-12228-7  
MICROLOG 90-07271 2 fiche

Le rôle du Ministère est d'assurer la gestion et la mise en valeur des ressources forestières, minérales et énergétiques du Québec, en tenant compte du contexte socio-économiques et de son évolution. Ce rapport annuel présente le schéma de fonctionnement du Ministère, identifie les ressources dont il dispose et rend compte des travaux réalisés dans le cadre de chacun des programmes.  
EN NR PR QU SC

**Québec (Province). Ministère de l'enseignement supérieur et de la science : Rapport annuel 1987-88**

Québec : le Ministère, 1989. 38 p.  
CSI 66131.001. ISSN 0829-4240 ISBN  
2-551-08388-5  
MICROLOG 90-00991 1 fiche

Le ministère de l'Enseignement supérieur et de la Science assume ses responsabilités dans les domaines de l'enseignement postsecondaire, de la recherche effectuée dans les réseaux collégial et universitaire, de même que dans le domaine du développement scientifique. Ce document présente le rapport annuel du Ministère et fournit les données suivantes: les mandats des unités administratives, l'accès aux études postsecondaires; l'enseignement collégial et universitaire, la recherche fondamentale et appliquée dans les réseaux d'enseignement, le transfert des connaissances et la collaboration entre établissements d'enseignement et entreprises de production; la culture scientifique et technique; et la coopération.  
ED PR QU

**Québec (Province). Ministère de l'enseignement supérieur et de la science : Rapport annuel 1988-89**

Québec : le Ministère, 1990. 39 p.  
CSI 66131.001. ISSN 0829-4240 ISBN  
2-551-14131-1  
MICROLOG 90-07270 1 fiche

La mission du Ministère consiste principalement à soutenir la formation postsecondaire, promouvoir la recherche fondamentale et appliquée, faciliter le transfert des connaissances vers les entreprises, coordonner les politiques, et appuyer la coopération. Ce rapport présente des principales activités du Ministère pour l'année écoulée. Un bilan détaillé est présenté pour chacun des 3 secteurs: le Secteur de l'administration et de l'aide financière aux étudiants; le Secteur de l'enseignement supérieur; et le Secteur de la science.  
ED PR QU

**Québec (Province). Ministère de l'environnement : Rapport annuel 1987-88**

Québec : le Ministère, 1988. 76 p.  
CSI 66105.001. ISSN 0228-4952 ISBN  
2-551-08350-8  
MICROLOG 90-00995 1 fiche

Ce document présente une description des structures de travail, de l'effectif, des

ressources financières et des réalisations du ministère de l'Environnement pour l'année 1987-1988. La première partie relate le rôle du ministère de l'Environnement. Elle fait notamment état d'orientations prises en 1987-1988 et d'actions ayant nécessité des efforts particuliers. La seconde partie souligne les principales préoccupations et réalisations des unités administratives du Ministère en 1987-1988. Ces unités sont regroupées selon les domaines qui suivent: planification et évaluation, conservation, gestion et assainissement des eaux, gestion et assainissement atmosphériques et terrestres, administration régionale, direction et administration centrale et organismes-conseils. Finalement, on retrouve, en annexe, la liste des lois et des règlements administrés par le Ministère.  
EV PR QU SC

**Québec (Province). Ministère de l'environnement : Rapport annuel 1988-89**

Québec : le Ministère, 1990. 79 p. : ill.  
CSI 66105.001. ISSN 0228-4952 ISBN  
2-551-14111-7  
MICROLOG 90-07269 1 fiche

Ce document présente une description des structures de travail, de l'effectif des ressources financières et des réalisations du ministère de l'Environnement pour l'année 1988-89. La 1re partie relate le rôle du Ministère et fait état des priorités d'action en 1988-89. La 2e partie souligne les principales préoccupations et réalisations des unités administratives: planification et évaluation, gestion et assainissement aquatiques, gestion et assainissement atmosphériques et terrestres, conservation, opérations, et direction et administration centrales. En annexe, on retrouve la liste des lois et règlements administrés par le Ministère.  
EV PR QU SC

**Québec (Province). Ministère de l'industrie, du commerce et de la technologie : Rapport annuel 1988-89**

Québec : le Ministère, 1990. 71 p.  
CSI 66108.001. ISSN 0713-3723 ISBN  
2-551-14185-0  
MICROLOG 90-07268 1 fiche

On retrouve en 1re partie de ce rapport annuel une présentation du mandat et de l'organisation administrative du ministère de l'Industrie et du Commerce. Par la suite, on résume les activités du Ministère en 1988-89. Les activités ont été regroupées par direction administrative. Directions sectorielles, Direction des opérations régionales et services aux entreprises et Direction des coopératives. En conclusion on décrit les relations du Ministère avec 9 sociétés d'Etat.  
CO PA PR QU ST

**Québec (Province). Ministère de la justice : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 71 p. : ill.  
Bibliogr. CSI 66172.001. ISSN 0715-9889  
ISBN 2-551-12251-1  
MICROLOG 90-02770 1 fiche

Ce document présente le rapport annuel du ministère de la Justice pour l'exercice financier 1988-89. Il rend compte de l'ensemble des activités du ministère et contient de nombreux renseignements tels: le personnel de direction, les réalisations de l'ensemble du Ministère en 1988-89, les informations générales et le bilan administratif.  
JU PR QU

**Québec (Province). Ministère de la main-d'œuvre et de la sécurité du revenu : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 61 p.  
CSI 66113.001. ISSN 0824-8060 ISBN  
2-551-12241-4  
MICROLOG 90-05265 1 fiche

Ce rapport annuel donne une description des mandats et des réalisations des différentes unités administratives selon la structure d'organisation du Ministère et les programmes gérés par le Ministère. Enfin, on fournit en annexe la liste des lois et des règlements administrés par le Ministère.  
LA PA PR QU ST

**Québec (Province). Ministère de la santé et des services sociaux : Rapport annuel 1987-88**

Québec : le Ministère, 1989. 49 p.  
CSI 66130.001. ISSN 0832-6258 ISBN  
2-551-08379-6  
MICROLOG 90-01003 1 fiche

Ce document informe sur le ministère de la Santé et des Services sociaux dans son ensemble. On y retrouve le mandat du Ministère et les informations sur le réseau de la Santé et des Services sociaux, les faits saillants de l'année 1987-1988, ainsi que les orientations pour l'exercice 1988-1989. Par la suite, on présente les principales activités menées au cours de l'année par les diverses unités administratives. Ces activités ont été regroupées en sept secteurs: budget et administration, équipements et services, planification et évaluation, prévention et services communautaires, recouvrement de la santé, réadaptation et services de longue durée ainsi que les relations de travail. Finalement, on retrouve en annexe un certain nombre de documents d'intérêt général.  
HE PR QU

**Québec (Province). Ministère de la sécurité publique : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 59 p. : ill.  
CSI 66132.001. ISSN 0836-1150 ISBN  
2-551-12249-X  
MICROLOG 90-05263 1 fiche

Ce rapport annuel résume les principales réalisations du Ministère. On retrouve aussi un bilan administratif pour chacune des directions du Ministère.  
JU PR QU ST

**Québec (Province). Ministère des affaires culturelles : Rapport annuel 1987-88**

Québec : le Ministère, 1989. 51 p.  
CSI 66114.001. ISSN 0714-4083 ISBN  
2-551-08352-4  
MICROLOG 90-01002 1 fiche

Présente le rapport annuel du ministère des Affaires culturelles. Ce rapport consigne l'ensemble des activités du Ministère pour l'année financière qui s'est terminée le 31 mars 1988, et contient de nombreux renseignements tels: la mission et les fonctions; les ressources; les structures; les milieux culturels; les institutions nationales; les relations avec les organismes gouvernementaux; et la gestion interne et le soutien aux activités du Ministère.  
CU PR QU

**Québec (Province). Ministère des affaires culturelles : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 58 p.  
CSI 66114.001. ISSN 0714-4083 ISBN  
2-551-08519-5  
MICROLOG 90-04019 1 fiche

Ce document présente le rapport annuel du ministère des Affaires culturelles pour l'année financière qui a pris fin le 31 mars 1989. Il rend compte de l'ensemble des activités du Ministère et contient de nombreux renseignements d'intérêt public. Il se penche particulièrement sur: la mission et les fonctions; les ressources; les structures; les milieux culturels; les institutions nationales et les organismes gouvernementaux; et la gestion



interne et le soutien aux activités du Ministère  
CU PA PR QU

**Québec (Province). Ministère des affaires internationales : Rapport annuel 1988-89**

Québec : le Ministère, 1990. 71 p.  
CSI 66122 001. ISSN 0711-947X ISBN  
2-551-14182-6  
MICROLOG 90-07267 1 fiche

Le Ministère propose, coordonne et réalise la politique extérieure du Québec en concertation avec les ministères et organismes du Gouvernement. Cette politique repose sur les intérêts économiques et socio-culturels du Québec et elle a pour objectif essentiel d'établir et de développer des relations avec les gouvernements étrangers et avec les organisations internationales. Ce rapport annuel fait le bilan des activités et des réalisations des différentes directions du Ministère. Fournit des informations sur l'administration, sur la politique et évaluation, sur les activités de soutien et services, ainsi que sur les affaires bilatérales et multilatérales.  
EX PR QU

**Québec (Province). Ministère des affaires municipales : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 62 p.  
CSI 66115 001. ISSN 0481-472X ISBN  
2-551-08511-X  
MICROLOG 90-04009 1 fiche

Ce document présente le rapport d'activités du ministère des Affaires municipales pour l'année terminée le 31 mars 1989. Il se penche particulièrement sur les points suivants: le ministère des Affaires municipales; les principales réalisations; l'aménagement du territoire municipal; l'aide et la surveillance administratives et financières; l'évaluation foncière; l'administration générale; l'aide institutionnelle et la restructuration du territoire; et la sécurité-incendie.  
MU PA PR QU

**Québec (Province). Ministère des approvisionnements et services : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 47 p.  
CSI 66133 001. ISSN 0835-9911 ISBN  
2-551-08492-X  
MICROLOG 90-03877 1 fiche

Ce document présente le rapport annuel des activités du ministère des Approvisionnement et Services pour l'exercice financier 1988-1989. La première partie renseigne sur le mandat général du ministère des Approvisionnement et Services. Elle informe ensuite sur la structure administrative, l'effectif, les ressources financières et l'organigramme du Ministère. La deuxième partie décrit brièvement les rôles des quatre directions générales du Ministère et présente les principales activités que celles-ci ont réalisées au cours de l'année. La troisième partie, quant à elle, indique les grandes orientations du ministère des Approvisionnement et Services pour 1989-1990. Enfin, dans la quatrième partie, les annexes livrent des informations complémentaires.  
PA PR QU

**Québec (Province). Ministère des communautés culturelles et de l'immigration : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 51 p.  
CSI 66117 001. ISSN 0820-0637 ISBN  
2-551-14135-4  
MICROLOG 90-05735 1 fiche

Ce rapport annuel présente le mandat et la structure administrative du Ministère, un résumé des faits saillants de l'exercice, et des renseignements sur la vingtaine de programmes gérés par le Ministère, notamment les suivants: recrutement et sélection des immigrants,

services aux immigrants, formation linguistique, communautés culturelles, etc. Les annexes présentent des statistiques sur l'immigration et le Fonds d'aide aux réfugiés, la liste des publications, les lois et règlements, et les bureaux à l'étranger.  
CU EX PR QU ST

**Québec (Province). Ministère des communications : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 44 p.  
CSI 66118 001. ISSN 0707-915X ISBN  
2-551-08463-6  
MICROLOG 90-00982 1 fiche

Ce rapport annuel rassemble les renseignements sur le ministère des Communications dans son ensemble. On y retrouve les faits saillants de l'exercice 1988-1989 ainsi que des données sur la structure administrative, les effectifs, les ressources financières et les orientations pour 1989-1990. De plus, on y présente les principales activités menées au cours de l'année par les diverses unités administratives telles la coordination et la gestion interne, les médias et l'information, l'informatique et les télécommunications, les Fonds des services informatiques et les Fonds des services de télécommunications, y sont également regroupés des annexes sur les lois et règlements relevant de l'autorité du ministre des Communications, les titulaires de postes hiérarchiques, les bureaux de Communication-Québec, les bibliothèques et les concessionnaires des Publications du Québec, les subventions accordées par le ministère des Communications et les publications du ministère des Communications.  
PR QU SC ST TE

**Québec (Province). Ministère des communications : Rapport annuel 1989-90**

Québec : le Ministère, 1990. 44 p.  
CSI 66118 001. ISSN 0707-915X ISBN  
2-551-14153-2  
MICROLOG 90-07258 1 fiche

Le Ministère a pour mandat de veiller aux intérêts du Québec en matière de communications, que ces intérêts soient de nature économique, culturelle, juridique ou technologique. Ce rapport regroupe d'abord des informations sur le Ministère dans son ensemble. On y retrouve les faits saillants de l'année 1989-90, ainsi que des données sur la structure administrative, les effectifs et les ressources financières. Puis, le rapport présente les principales activités menées au cours de l'année par les diverses unités administratives. Ces activités ont été regroupées en plusieurs secteurs, entre eux, gestion interne et soutien, médias et information, publications gouvernementales, informatique et télécommunications, politiques, et, les fonds des services informatiques et des services de télécommunications.  
PR QU SC TE

**Québec (Province). Ministère des relations internationales : Rapport annuel 1987-88**

Québec : le Ministère, 1989. 90 p.  
CSI 66122 001. ISSN 0711-947X ISBN  
2-551-08372-9  
MICROLOG 90-00994 1 fiche

Rapport annuel portant sur la structure administrative, la Direction générale de l'administration, la Direction générale de la planification, la Direction générale des affaires internationales et la Direction des communications.  
EX PR QU

**Québec (Province). Ministère des transports : Rapport annuel 1986-89**

Québec : le Ministère, 1990. 62 p. : ill.  
CSI 66123 001. ISSN 0711-9011 ISBN

2-551-14062-5  
MICROLOG 90-07274 1 fiche

La Loi sur le ministère des Transports charge le ministre d'élaborer et de proposer au gouvernement des politiques de transport, de les mettre en oeuvre et d'en surveiller l'application. Le Ministre doit aussi effectuer ou faire effectuer des travaux de voirie, notamment le développement, l'amélioration et l'entretien des routes publiques et des ponts. Ce rapport annuel fait le bilan des activités et des réalisations du Ministère. Fournit entre autres des informations sur les systèmes de transport terrestre, la construction et la conservation du réseau routier, et les transports scolaire, maritime et aérien.  
PR QU SC ST TR

**Québec (Province). Ministère du loisir, de la chasse et de la pêche : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 56 p.  
CSI 66126 001. ISSN 0229-3811 ISBN  
2-551-12260-0  
MICROLOG 90-03883 1 fiche

Ce document présente le rapport annuel du ministère du Loisir, de la Chasse et de la Pêche pour l'exercice financier 1988-1989. Il rend compte de l'ensemble des activités du Ministère et contient de nombreux renseignements d'intérêt public. Il se penche particulièrement sur les points suivants: la Direction et l'organigramme du Ministère; la Direction générale de la ressource faunique et des opérations régionales, et la Direction générale du loisir, des sports et des parcs.  
EV PR QU SC

**Québec (Province). Ministère du revenu : Rapport annuel 1987-88**

Québec : le Ministère, 1989. 41 p.  
CSI 66127 001. ISSN 0708-4536 ISBN  
2-551-08364-8  
MICROLOG 90-00996 1 fiche

Le Ministère du Revenu administre les lois qui lui sont confiées dans une perspective de service à l'Etat et au citoyen. Il conseille le Gouvernement en matière de politique fiscale et socio-fiscale. Il perçoit ainsi les montants dus à l'Etat et répartit des sommes allouées par le Gouvernement aux citoyens, par le biais de programmes fiscaux à caractère social. Ce document présente le rapport annuel du Ministère et fournit des renseignements sur les programmes et les tableaux de statistiques administratives.  
CO PA PR QU ST

**Québec (Province). Ministère du revenu : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 41 p.  
CSI 66127 001. ISSN 0708-4536 ISBN  
2-551-14045-5  
MICROLOG 90-07275 1 fiche

Le Ministère conseille le Gouvernement en matière de politique fiscale et socio-fiscale, perçoit les montants dus à l'Etat et répartit des sommes allouées par le Gouvernement aux citoyens, par le biais de programmes fiscaux à caractère social. Ce rapport annuel retrace les grandes lignes des activités et des réalisations du Ministère. Y compris sont des tableaux de statistiques administratives.  
CO PA PR QU

**Québec (Province). Ministère du tourisme : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 27 p.  
CSI 66128 001. ISSN 0831-5337 ISBN  
2-551-08488-1  
MICROLOG 90-03884 1 fiche

Ce document présente le rapport annuel du ministère du Tourisme pour l'année financière qui a pris fin le 31 mars 1989. Il rend compte de l'ensemble des activités du Ministère et contient de nombreux renseignements



d'intérêt public tels la structure administrative du Ministère, la Direction générale du marketing, et la Direction générale des politiques et des technologies d'accueil.  
CU PR QU

**Québec (Province). Ministère du travail : Rapport annuel 1988-89**

Québec : le Ministère, 1989. 60 p. : ill.  
CSI 66129.001. ISSN 0823-4442 ISBN 2-551-08489-X  
MICROLOG 90-03882 1 fiche

Ce rapport annuel expose d'abord les principaux mandats du ministère du Travail puis il décrit les principales réalisations accomplies au cours de l'exercice financier 1988-89. On retrouve en annexe la liste des lois appliquées par le Ministère et par les organismes relevant du ministre du Travail, la liste des bureaux du Ministère et la liste des sièges sociaux des organismes relevant du ministre du Travail.  
LA PR QU ST

**Québec (Province). Ministère du travail : Rapport annuel 1989-90**

Québec : le Ministère, 1990. 55 p.  
CSI 66129.001. ISSN 0823-4442 ISBN 2-551-14156-7  
MICROLOG 90-07263 1 fiche

Le Ministère doit susciter l'établissement et le maintien de saines relations du travail entre les parties patronale et syndicale, et favoriser le dialogue entre les employeurs et les salariés. Il doit voir aussi au respect des normes de sécurités relatives aux bâtiments, aux lieux publics, et aux installations techniques. Ce rapport annuel expose d'abord les principaux mandats du ministère du Travail puis il décrit les principales réalisations accomplies au cours de l'exercice financier 1989-90. On retrouve en annexe la liste des lois appliquées par le Ministère et par les organismes relevant du Ministère du Travail, la liste des bureaux du Ministère et celle des sièges sociaux des organismes relevant du ministre du Travail.  
LA PR QU ST

**Québec (Province). Office de la langue française : Rapport annuel 1988-89**

Québec : l'Office, 1989. 31 p. CSI 67167.001.  
ISSN 0707-1795 ISBN 2-551-08472-5  
MICROLOG 90-03875 1 fiche

Ce document présente le rapport annuel des activités de l'Office de la langue française au 31 mars 1989. Il rend compte de l'ensemble des activités de l'Office et contient de nombreux renseignements d'intérêt public. Il porte principalement sur le mandat, l'organisation, les programmes d'action, et les orientations.  
PA PR QU SA

**Québec (Province). Office de la protection du consommateur : Rapport annuel 1988-89**

Québec : l'Office, 1989. 45 p. CSI 67168.001.  
ISSN 0710-6785 ISBN 2-551-08456-3  
MICROLOG 90-00987 1 fiche

L'Office est chargé de surveiller l'application de la Loi sur la protection du consommateur, de la Loi sur le recouvrement de certaines créances, de la Loi sur les agents de voyages et de la Loi sur les arrangements préalables de services funéraires et de sépulture. Ce rapport annuel porte sur: les mandats, l'organisation et les ressources de l'Office de la protection du consommateur (le Conseil de l'Office et l'entité administrative); et sur les activités de 1988-1989 à l'Office de la protection du consommateur (sommaire des activités, la Direction des bureaux régionaux, Direction des affaires juridiques, Direction des communications, Direction des ressources et des systèmes et le Secrétariat).  
CO PR QU ST

**Québec (Province). Office de la protection du consommateur : Rapport annuel 1989-90**

Québec : l'Office, 1990. 41 p. CSI 67168.001  
ISSN 0710-6785 ISBN 2-551-14177-X  
MICROLOG 90-07262 1 fiche

L'Office est chargé de surveiller l'application de la Loi sur la protection du consommateur, de la Loi sur le recouvrement de certaines créances, de la Loi sur les agents de voyages et de la Loi sur les arrangements préalables de services funéraires et de sépulture. Ce rapport annuel pour l'année financière 1989-90 retrace les grandes lignes des activités et des réalisations des différentes directions de l'Office: Direction générale des opérations, Direction des affaires juridiques, Direction des communications et Direction des ressources et des systèmes.  
CO PA PR QU

**Québec (Province). Office des services de garde à l'enfance : Rapport annuel 1988-89**

Québec : l'Office, 1989. 54 p. Bibliogr.  
CSI 67169.001. ISSN 0838-097X ISBN 2-551-08524-1  
MICROLOG 90-06055 1 fiche

L'Office veille à ce que soient assurés des services de garde de qualité et promouvoit un développement de ces services avec les autres politiques familiales. Il doit également surveiller l'exécution de la loi et de ses règlements. Ce rapport annuel fournit des informations sur la structure organisationnelle et administrative de l'Office, sur les activités, ainsi que sur les projets pour l'année. Inclut aussi une revue statistique.  
PR QU SA ST

**Québec (Province). Protecteur du citoyen : Rapport annuel 1988-89**

Québec : le Protecteur, 1989. 91 p.  
CSI 67251.001. ISSN 0701-5984 ISBN 2-551-12261-9  
MICROLOG 90-05269 1 fiche

Rapport annuel consacré aux réflexions du Protecteur du citoyen sur les diverses interventions qu'il a menées auprès de certains ministères et organismes et présentant les ressources budgétaires mises à la disposition du Protecteur du citoyen pour l'exercice terminé. La dernière partie reproduit des tableaux statistiques qui donnent les renseignements sur la clientèle, les types de demandes, les motifs de rejet des requêtes et le traitement accordé aux autres.  
JU PR QU ST

**Québec (Province). Protecteur du citoyen : Rapport annuel 1989-90**

Québec : le Protecteur, 1990. 122 p. : ill.  
CSI 67251.001. ISSN 0701-5984 ISBN 2-550-20936-2  
MICROLOG 90-07212 2 fiche

Le Protecteur du citoyen a comme mandat de recevoir les plaintes de toute personne, compagnie ou association qui s'estime lésée dans ses droits ou croit avoir été injustement traitée par un ministère ou un organisme du gouvernement. Ce rapport annuel est consacré aux réflexions du Protecteur du citoyen sur les diverses interventions qu'il a menées auprès de certains ministères et organismes et présentant les ressources budgétaires mises à la disposition du Protecteur du citoyen pour l'exercice terminé. La dernière partie reproduit des tableaux statistiques qui donnent les renseignements sur la clientèle, les types de demandes, les motifs de rejet des requêtes et le traitement accordé aux autres.  
JU PR QU ST

**Québec (Province). Régie de la sécurité dans les sports : Rapport annuel 1988-89**

Québec : la Régie, 1989. 43 p. : ill.  
CSI 67190.001. ISSN 0229-3811 ISBN 2-551-08508-X  
MICROLOG 90-05605 1 fiche

La Régie est chargée de veiller à ce que la sécurité et l'intégrité des personnes dans les sports soient assurées. Ce rapport annuel contient le mandat de la Régie, les pouvoirs, les fonctions, l'organisation, les ressources humaines et financières, la direction générale et les services, les objectifs et les réalisations, les orientations, ainsi que les états financiers accompagnés du rapport du vérificateur.  
CU PR QU ST

**Québec (Province). Régie des entreprises de construction : Rapport annuel 1988-89**

Québec : la Régie, 1989. 35 p.  
CSI 67174.001. ISSN 0711-7132 ISBN 2-551-08493-8  
MICROLOG 90-03887 1 fiche

Ce document présente le rapport annuel des activités de la Régie des entreprises de construction du Québec pour l'exercice 1988-1989. Il donne des renseignements sur: la Régie; le Tribunal administratif; la Vérification interne; le Service de la recherche et des politiques; le Service des affaires juridiques, des enquêtes et le Secrétariat; le service des communications, des ressources humaines et budgétaires; la Direction de la qualification; le Bureau de Québec; et l'application de la Loi sur la protection des non-fumeurs dans certains lieux publics.  
PL PR QU SC

**Québec (Province). Régie des entreprises de construction : Rapport annuel 1989-90**

Québec : la Régie, 1990. 39 p.  
CSI 67174.001. ISSN 0711-7132 ISBN 2-551-14154-0  
MICROLOG 90-07264 1 fiche

La Loi sur la qualification professionnelle des entrepreneurs de la construction vise à protéger le public contre les faillites et les malfaçons des entrepreneurs, par l'intermédiaire de la Régie des entreprises de construction du Québec. Ce rapport annuel présente une vue d'ensemble des activités et des réalisations des différentes composantes de la Régie y compris la Direction des affaires juridiques et des enquêtes et le Secrétariat. Inclut les états financiers.  
PL PR QU SC

**Québec (Province). Régie des installations olympiques : Annual report 1988-89**

Montreal : The Régie, 1990. 28 p. : ill. *French ed. on the same fiche.* CSI 67170.001.  
MICROLOG 90-04149 1 fiche

This annual report includes an activity report, participation statistics, information concerning income segmentation, and revenue by site. It also provides financial statements.  
CU PR QU

**Québec (Province). Régie des installations olympiques : Rapport annuel 1988-89**

Montréal : la Régie, 1990. 28 p. : ill. *L'é.d. anglaise sur la même fiche.* CSI 67170.001.  
MICROLOG 90-04149 1 fiche

Document présentant le rapport annuel de la Régie des installations olympiques. Il donne le bilan des activités; les statistiques de fréquentation; les résultats sectoriels; les revenus par site; et, les états financiers.  
CU PR QU



**Québec (Province). Régie du cinéma : Rapport annuel 1987-88**

Québec : la Régie, 1988. 46 p.  
 CSI 67236 001. ISSN 0229-9933 ISBN  
 2-551-08349-4  
 MICROLOG 90-00997 1 fiche

Ce troisième rapport annuel de la Régie du cinéma rappelle brièvement les origines de cet organisme gouvernemental, l'histoire de son implantation progressive, sa nature juridique, son rôle ainsi que son organisation. Finalement, il décrit les activités mêmes de la Régie du cinéma au cours de l'année financière 1987-1988.

CU PR QU ST

**Québec (Province). Régie du cinéma : Rapport annuel 1988-89**

Québec : la Régie, 1990. 46 p. : ill.  
 CSI 67236 001. ISSN 0229-9933 ISBN  
 2-551-12236-8  
 MICROLOG 90-05275 1 fiche

Rapport annuel de la Régie décrivant l'origine, l'organisation et les activités de l'organisme, et fournissant des statistiques sur les films visés au Québec au cours de l'année financière 1988-89. Comprend aussi les états financiers de la Régie.

CU PR QU ST

**Québec (Province). Régie du gaz naturel : Rapport annuel 1988-89**

Québec : la Régie, 1989. 30 p.  
 CSI 67173 001. ISSN 0711-7132 ISBN  
 2-551-08509-8  
 MICROLOG 90-05264 1 fiche

La Régie est un organisme de surveillance et d'arbitrage en matière de production, de vente et de distribution d'électricité, et en matière de vente, de distribution, de transport et d'emmagasinage du gaz canalisé. Elle exerce aussi une surveillance et un contrôle sur les entreprises ayant pour objet principal ou accessoire la production, la transmission, la distribution et la vente de vapeur, de chaleur, de lumière ou de force motrice produite autrement que par l'électricité. Ce rapport annuel fait le bilan des activités de la Régie. Inclut le rapport financier.

EN PR QU SC ST

**Québec (Province). Secrétariat aux affaires intergouvernementales canadiennes : Rapport annuel 1987-88**

Québec : le Secrétariat, 1989. 34 p.  
 CSI 67209 001. ISSN 0827-1860 ISBN  
 2-551-08351-6  
 MICROLOG 90-00998 1 fiche

Rattaché au Conseil exécutif, le Secrétariat aux affaires intergouvernementales canadiennes relève du ministre délégué aux Affaires intergouvernementales canadiennes à qui a été confiée la responsabilité des relations fédérales-provinciales, des relations interprovinciales de même que celle des bureaux du Québec au Canada. Ce document présente le rapport annuel du Secrétariat aux affaires intergouvernementales canadiennes et porte sur : les programmes de coopération et d'aide à la francophonie; les dossiers institutionnels et constitutionnels; et l'entente de développement économique et régional.

JU PA PR QU

**Québec (Province). Secrétariat aux affaires intergouvernementales canadiennes : Rapport annuel 1988-89**

Québec : le Secrétariat, 1990. 36 p.  
 CSI 67209 001. ISSN 0827-1860 ISBN  
 2-551-14176-1  
 MICROLOG 90-07276 1 fiche

Le Secrétariat conseille le gouvernement sur toute question ayant trait aux relations intergouvernementales canadiennes, il élabore, propose et met en œuvre une politique à cet

égard. Il est également responsable des relations avec les gouvernements des provinces du Canada et doit coordonner l'ensemble des activités gouvernementales québécoises au Canada. Ce rapport annuel fait le bilan des activités et des réalisations des différentes directions du Secrétariat. Fournit des informations sur la représentation du Québec au Canada, sur les programmes de coopération et d'aide à la francophonie, sur les dossiers institutionnels et constitutionnels, sur l'entente de développement économique et régional, ainsi que sur les dossiers sectoriels.

CA PA PR QU

**Québec (Province). Société de développement des coopératives : Rapport annuel 1988-89**

Québec : la Société, 1989. 24 p. : ill.  
 CSI 67180 001  
 MICROLOG 90-01371 1 fiche

Créée en 1978 par le mouvement coopératif et le Gouvernement du Québec, le mandat de la SDC consiste à fournir aux entreprises coopératives l'aide financière et les services techniques susceptibles de stimuler leur création et leur développement. Ce document fournit le rapport annuel de la Société ainsi que les états financiers.

CO PA PR QU

**Québec (Province). Société de développement des coopératives : Rapport annuel 1989-90**

Québec : la Société, 1990. 24 p.  
 CSI 67180 001  
 MICROLOG 90-07287 1 fiche

Le mandat de la Société consiste à fournir aux entreprises coopératives l'aide financière et les services techniques susceptibles de stimuler leur création et leur développement. Ce rapport annuel fait le bilan des activités et des réalisations de la Société. Inclut les états financiers.

CO PA PR QU

**Québec (Province). Société générale des industries culturelles : Rapport d'activités 1988-89**

Québec : la Société, 1989. 44 p. : ill.  
 CSI 67289 003  
 MICROLOG 90-04145 1 fiche

Ce document présente le rapport d'activité de la Société générale des industries culturelles pour l'exercice financier terminé le 31 mars 1989. Il porte sur le Rapport du président-directeur général, l'organisation; les états financiers; le secteur Film, le secteur Services extérieurs; le secteur Industries de la culture et des communications; et le secteur Patrimoine immobilier. Y sont également présentés les états financiers.

CU PR QU

**The Queen Anne revival style in Canadian architecture**

by L. Matland. Ottawa : Parks Canada, National Historic Parks and Sites Branch, 1990. 303 p. : ill. Bibliogr. (Studies in archaeology, architecture and history) *French ed. (Le Style néo-Queen Anne...)* : 90-06868/4. ISSN 0821-1027 ISBN 0-660-13599-X  
 MICROLOG 90-06867 4 fiche

Contains an overview of the origin of the style in Great Britain and its American interpretation. In examining the style in Canada, it begins with the efforts made by Canadian architects to adapt it to a new and often difficult habitat. The preponderant number of domestic examples reflects the popularity of the style for residential construction. It also examines its influence on institutions, resort buildings, apartments, and commercial constructions.

CA CU PL SC

**Queen's University (Kingston, Ont.). Centre for Resource Studies : Annual report 1988-89**

Kingston, Ont. : The Centre, 1989. 21 p.  
 Bibliogr. CSI 99240 001  
 MICROLOG 90-02768 1 fiche (Available on fiche only)

This annual report contains a summary of activities from 1975-89, and reviews research completed in 1988/89, research in progress, new publications, presentations made by CRS researchers, and CRS policy discussion seminars. It lists members of the board of directors, members of the advisory council, members of the research advisory committee, personnel, core staff, faculty associates, and all CRS publications.

CA NR ON PS SC

**Queen's University (Kingston, Ont.). Centre for Resource Studies : Annual report 1989-90**

Kingston, Ont. : The Centre, 1990. 21 p. : ill. Bibliogr. CSI 99240 001  
 MICROLOG 90-06176 1 fiche (Available on fiche only)

Annual report of the Centre, a cooperative research institute established at Queen's University in 1973 to improve understanding of the complex questions and issues underlying mineral resource policy. The report supplies a summary of activities from 1975-90, and information on research, the Centre's policy discussion seminars, and advisory groups, together with a complete listing of the Centre's publications.

CA NR ON SC

**Quelques arpents de neige -- à partager : la régionalisation de l'immigration**

voir Avis sur la régionalisation de l'immigration

**Quelques innovations en économie des transports**

par M. Gaudry. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 10 p. Bibliogr. (Publication ; no. 673)  
 MICROLOG 90-03004 1 fiche

Ce document fait le résumé de l'évolution de travaux divers en économie des transports, portant particulièrement sur l'étude de la demande de transport. On en souligne les aspects innovateurs et on y donne une idée de leur usage et de leur diffusion dans la communauté académique et professionnelle. Le document traite particulièrement des points suivants : la modélisation de la demande de transport; le modèle DEMTEC, le modèle DRAG, et une famille de modèles probabilistes.

PR PS QU SC TR

**A Questionnaire survey of Vancouver Island steelhead anglers' opinions and preferences on management issues**

by R.S. Hooton. Victoria : Ministry of Environment, 1985. ii, 30 p. : ill. Bibliogr. (Fisheries management report ; no. 84) ISSN 0705-5390 ISBN 0-7726-0408-8  
 MICROLOG 90-06971 1 fiche

On Vancouver Island, steelhead catches have declined in most popular streams in recent years, due to a number of causes. In 1976 the Salmonid Enhancement Program was initiated by an agreement between federal and provincial governments to double the mid-1970s commercial catch of salmon. This study examines the role of hatcheries relative to other steelhead management options and represented the first step in the formation of a regional steelhead management plan for Vancouver Island. A questionnaire was mailed to a systematic sample of every second Vancouver Island steelhead trout angler to



assess angler attitudes toward augmenting steelhead production by stocking hatchery fish, and to develop recommendations for incorporation into a steelhead management plan for Vancouver Island.  
BC FI PR SC

**Questions de droit que posent les systèmes informatiques intégrés : aperçu des considérations pratiques et des récents développements dans ce domaine**

par J.V.T. Knoppers. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 32 p. *L'éd. anglaise (Legal issues arising...)* : 90-05469/1. Ce document fut élaboré pour le Carrefour international sur l'information électronique.  
MICROLOG 90-05467 1 fiche

Cette étude porte sur les questions de droit, donc de gestion et d'exploitation, qu'implique l'utilisation croissante que nous faisons des technologies de l'information ainsi que sur toute autre barrière non technique qui les empêcherait de devenir les principaux systèmes de soutien opérationnel d'une organisation. L'étude présente et développe la notion de loi sur l'information; indique un certain nombre de lois importantes sur l'information et traite de leur pertinence ainsi que des modifications qui y ont été apportées récemment; et, expose certaines considérations pratiques et les questions qu'il faudra résoudre.  
CA PS SC TE

**Queuing theory approach to modelling the dynamics of the human-computer interface**

by J.M.E. Van de Vegte. Downsview, Ont. : Defence and Civil Institute of Environmental Medicine, 1989. 35 p. : ill. Bibliogr. (DCIEM research report ; no. 89-RR-45)  
MICROLOG 90-01674 1 fiche

Study of a model of the human-computer interface based on the idea of a message passing from one partner (the human) to the other (the computer) by means of an arbitrary number of layers which represent levels of abstraction of the message. The model uses a queuing theory formulation and assumes Poisson arrival and service characteristics to describe the movement of packets through the interface and to develop a criterion for network stability. Simulations are included to illustrate some of the theoretical results obtained.  
● CA EX PS SC

**R-2AM zone review Fairview Plan area : proposed MDP and LUB amendments**

Halifax : Halifax Planning Dept., 1989. 57 p. : maps  
MICROLOG 90-03407 1 fiche

Reviews the areas affected and advises on whether such rezoning should still be considered or whether a zoning change should take place to reduce the development potential under the R-2AM Zone in all areas of the City.  
AP MU PL

**Radar data gathering on M.V. Arctic : final report**

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by Canarctic Shipping. Ottawa : The Company, 1990. xii, 34 p. : ill.  
MICROLOG 90-07194 1 fiche

The late fall MV Arctic voyage to the Canadian Arctic was chosen as an opportune time for dedicated radar data collection. In order to collect adequate marine radar data, high digitizing rates and high bandwidths were required of the data collection system. Nordco Ltd.'s newly developed data acquisition system was chosen for this purpose, and the system

was installed on the MV Arctic in early November 1989. Data collection began in the southern part of Baffin Bay, with a total of 13 high precision and high density sets of radar images collected, totalling approximately 4 Gbytes of data, recorded on 8mm video tape using an EXABYTE digital data storage drive. Most of the collected images can be correlated to SAR (Synthetic Aperture Radar) images of the same area, received via downlink on board the vessel at the time of data collection. This report describes the intent of the collected data sets and the full characteristics of each file.  
CA NO PS SC TR

**Radar signal enhancement for DART**

by T. Chung and C.R. Carter. Toronto : Ministry of Transportation, Research and Development Branch, 1989. x, 257 p. : ill. Bibliogr.  
MICROLOG 90-06108 3 fiche

Previous studies have shown that the Deck Assessment by Radar and Thermography (DART) system is capable of distinguishing between areas of good bridge deck and areas which suffer from one of several forms of deterioration. This project was undertaken to develop new software packages, compatible with existing software, that will cancel the internal antenna reflections and the surface reflections from the total reflected signal, be capable of testing the correlation technique of matched filtering for impulse detection; identify variations in the amplitude and location of waveform peaks (employing cluster analysis or statistical variation of waveforms) and use this information to further improve the detection of deterioration, evaluate end result specifications, detect deterioration under pavements, and assess the precision and accuracy of the system.  
ON PR PS SC TR

**Radiation-induced diploid gynogenesis in the pink salmon**

by A.A. Maksimovich and G.A. Petrova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 9 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5241) *Originally published in Russian, at Moscow, USSR. Presented at the First International Conference on the Biology of Pacific Salmon.* ISSN 0704-3716  
MICROLOG 90-02712 1 fiche

This document briefly reviews attempts to change the sex of animals by various experimental means such as the use of sex hormones. The authors then consider difficulties in determining the sex of Pacific salmon and possible ways of obtaining females artificially and they recommend, finally, what may be the best way to obtain pink salmon females on a commercial scale.  
● CA CF FI LS SC

**Radioactive release data from Canadian nuclear generating stations, 1972 to 1987**

Ottawa : Atomic Energy Control Board, 1989. 41 p. : ill. (Report ; INFO-0210(E)Rev-2)  
MICROLOG 90-01365 1 fiche

All nuclear generating stations emit small quantities of radioactive effluent both into the atmosphere and, in the form of liquid effluent, into the adjoining water body. This report gives the amount of these emissions for each nuclear generating station in Canada and indicates how these emissions compare with the relevant limitations imposed by the Atomic Energy Control Board as part of its regulatory and licensing program. This report incorporates histograms indicating the annual releases of tritium in air, noble gases, iodine-131, airborne particulate, tritium in water and waterborne gross beta activity for each station. In addition, for Pickering A, annual releases of Carbon-14 are given for 1986 and 1987. In

each case the emission data are compared to the derived emission limit to place the data in perspective.  
CA EN EV SC

**Radioactive release data from Canadian nuclear generating stations, 1972 to 1988 -- Rev.**

Canada. Atomic Energy Control Board. Radiation Protection Division. Ottawa : The Board, 1990. 43 p. : ill. (Report ; INFO-0210) CSI 22125.003  
MICROLOG 90-05696 1 fiche

All nuclear generating stations emit small quantities of radioactive effluent both into the atmosphere and, in the form of liquid effluent, into the adjoining river, lake or sea. This document reports on the magnitude of these emissions for each nuclear generating station (NGS) in Canada and indicates how these emissions compare with the relevant limitations imposed by the Atomic Energy Control Board as part of its regulatory and licensing program. The report incorporates histograms indicating the annual releases of tritium in air, noble gases, iodine-131, airborne particulate, tritium in water and waterborne gross beta activity for each NGS. In addition, for Pickering NGS A, annual releases of carbon-14 are depicted for 1986-88, and for Darlington NGS, airborne emissions of both tritium oxide and elemental tritium are shown. In each case, the emission data are compared to the derived emission limit.  
CA EN EV SC

**Radiocarbon dates from the western basin of the Champlain Sea**

by S.H. Richard. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 13 p. : maps. Bibliogr. (Paper ; 89-22) ISSN 0068-7650 ISBN 0-660-13472-1  
MICROLOG 90-04256 1 fiche

S.H. Richard spent much of his career mapping and conducting Quaternary research in the Ontario-Québec region near Ottawa. His work in the Ottawa area was conducted from 1970-87 and one of his main goals was to develop a radiocarbon chronology for the Champlain Sea. This report assembles all of these dates as an inventory and also contains a brief summary of the interpretations that Richard placed on these ages.  
CA NR ON PS SC

**Radioexpositions professionnelles au Canada, 1988**

Ottawa : Santé et bien-être social Canada, Direction de l'hygiène du milieu, Direction générale de la protection de la santé, 1990. iv, 61 p. : ill. Bibliogr. *L'éd. anglaise (Occupational radiation...) sur la même fiche.* CSI 21112.010. ISBN 0-662-96131-5  
MICROLOG 90-06856 2 fiche

Ce rapport est le onzième d'une série de rapports annuels sur les radioexpositions professionnelles au Canada. Ses données proviennent du Fichier dosimétrique national du Bureau de la radioprotection et des instruments médicaux du ministère de la Santé nationale et du bien-être social. Comme les rapports précédents, celui-ci donne, pour chaque profession, les doses annuelles moyennes à l'organisme entier par région, la répartition des doses et la variation des doses moyennes en fonction du temps. Les données statistiques sur l'étude des expositions élevées, relevées par les Services nationaux de dosimétrie, sont résumées sous forme de tableaux.  
CA EN LA SC

**Radiofrequency radiation in the workplace**

by D. Charron. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1989. i, 15 p. Bibliogr. *French ed.*



(Rayonnements à fréquences...) : 90-04253/1.  
ISBN 0-660-13418-7  
MICROLOG 90-03619 1 fiche

Communications, industry and medicine are increasingly using radiofrequency electromagnetic fields, leading to a greater need to understand the known and possible health consequences of exposure to these fields. This publication briefly summarizes the current state of knowledge concerning health effects of exposure to radiofrequency electromagnetic fields. The publication includes definition of radiofrequency electromagnetic radiation, those at risk, the thermal and non-thermal health effects, the safety hazards, the exposure limits, and methods of control or limiting. Summaries of the existing and proposed guidelines are also included.

• CA LA PS SC

### Radiological hazards to uranium miners

Canada. Advisory Committee on Radiological Protection. Ottawa : Atomic Energy Control Board, 1990. ii, 48 p. : ill. Bibliogr. (Report ; INFO-0352)  
MICROLOG 90-07094 1 fiche

The 1977 recommendations of the International Commission on Radiological Protection state that the maximum permissible dose to atomic radiation workers should be 50 mSv per year and that the sum of the doses to all sources of radiation should not exceed this limit. Subsequent publications defined limits for inhalation of radon progeny by workers (1981) and other concepts to be used in the radiation protection of workers in uranium mines (1986). These recommendations are being incorporated into the new regulations, causing considerable discussion of their validity. This report reviews the available scientific information on the biological effects that might be anticipated in uranium miners in Canada under the new regulations, including the epidemiological data on risks of inhalation of radon and radon progeny by miners; the dosimetric and epidemiological data on the relative risks of exposure to other radiation sources; relevant data from animal experiments; and current exposures of uranium miners in Canada. It then compares the 'conventional' radiological risks to uranium miners with those to other workers in Canada.

CA LA NR SC

### Radiometric survey of southeastern Manitoba

by D.M. Watson. Winnipeg : Manitoba Energy and Mines, Geological Services, 1985. 7 p. (Open file report ; OF85-1)  
MICROLOG 90-05242 1 fiche

This report covers an area of southeastern Manitoba bounded by the Ontario border, the Trans-Canada highway, Highway 59, and the Pine Falls-Bissett-Bird River road. This area is underlain by a variety of rock types that could contain concentrations of uranium- and thorium-bearing minerals. The roads within the study area were traversed to determine whether or not anomalous areas could be detected, and also whether areas of possible groundwater contamination could be delineated. The survey was conducted using a roof-mounted detector, and a continuous recorder. Anomalous readings were checked to determine whether or not there was an obvious (potential) source of radioactivity.

MS NR PR PS SC

### Radium-226 in snowshoe hares near uranium mine tailings

by N.K. Dave. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. iii, 15 p. Bibliogr. (Report ; MRL 89-106(TR))  
MICROLOG 90-02552 1 fiche

The extensive inactive tailings deposits around the uranium mines near Elliot Lake, Ontario,

are of different ages and have received differing treatments after being decommissioned. These tailings are to be returned to nature after rehabilitation and eventually will be areas of wildlife management. This report presents the levels of Ra226 in bones (femur and tibia/fibula) and stomach contents of hares trapped near uranium tailings and on control sites, calculates the average internal skeletal radiation dose due to Ra226, and discusses the problems of calculating the transfer coefficient of the Ra226 from food to hare.

• CA CM EV NR ON SC

### Radon control in new houses

Ottawa : Canada Mortgage and Housing Corporation, 1988. 27 p. : ill. (Builders' series) French ed. (*Réduction de la concentration...*) : 90-01250/1.  
MICROLOG 90-01249 1 fiche

Publication for the builders of new houses explaining radon and the reasons for concern, avoiding radon problems in construction, building radon control features into a house, measuring levels of radon concentration, and the effects of awareness on the building industry.

CA EV PL SC

### Radon exposures in Fredericton area houses and wells : final report

by S.T. Friedman. Ottawa : Canada Mortgage and Housing Corporation, Research Division, 1988. ix, 71 p. Bibliogr.  
MICROLOG 90-01279 1 fiche

More than 200 measurements were made of the radon levels in randomly selected Fredericton area homes using charcoal packets exposed for 3 days in basements. Radon levels in well water from 36 of these homes were also determined using a newly developed liquid scintillation technique and homeowner collected water samples. This report gives the results of these measurements.

AP CA EV MU PL SC

### Radon survey III : continuous monitoring in ten Saskatchewan homes

Regina : Saskatchewan Environment and Public Safety, Mines Pollution Control Branch, 1989. 17 p. : ill. Bibliogr.  
MICROLOG 90-00399 1 fiche

The level of radon in a home depends on many factors including the concentration of radium in the surrounding soil, construction of the house, type and condition of basement, the amount of ventilation, and the specific time. A number of surveys of homes were done in northern and southern Saskatchewan, beginning in 1975. This survey was conducted to obtain more reliable radon level data on selected homes included in the original south survey in 1981. Homes were selected to investigate variations seasonally and spatially within the dwellings, and to follow-up on the reliability of the original survey in southern Saskatchewan. The selected homes were those that had radon daughter levels above 0.10 WL in the 1981 survey.

EV MS PR SC

### Rafferty-Alameda Dam Project : draft initial environmental evaluation

Regina : Environment Canada, Conservation and Protection, 1989. xxiv, 286 p. : ill. Bibliogr. Summary (ix, 43 p.) laid in.  
MICROLOG 90-00755 4 fiche

Summary of the initial environmental evaluation (IEE) prepared by Canada to provide the public with a broad overview of the project and its potential impacts on areas of federal responsibility. The IEE provides information on the nature, extent and significance of potential project impacts, proposed mitigation measures, residual impacts and information deficiencies.

• CA EV MS SC

### Rafferty-Alameda Dam Project : initial environmental evaluation, vol. I : technical report

Regina : Environment Canada, Conservation and Protection, 1989. xxxix, 331 p. : ill., maps. Bibliogr.  
MICROLOG 90-02854 4 fiche

The Rafferty-Alameda project is the most recent water management proposal to be considered for southeastern Saskatchewan. The project would dam the Souris River and a tributary, Moose Mountain Creek, creating 2 reservoirs and integrating the new works into the present water control system. Final provincial approval was granted in February 1988 and preliminary construction began in March. A federal license was received in June 1988, then quashed in April 1989, at which time the federal government was ordered to comply with its Environmental Assessment and Review Process guidelines. This document deals with the environmental implications that affect areas of federal responsibility, including transboundary water issues arising from Canada's obligations under Canada/U.S. treaties and related to the protection of North Dakota and Manitoba interests as downstream users, protection of migratory birds, fish and rare and endangered species; federal lands; and protection of navigable waters. Information is given on the nature, extent and significance of potential project impacts, proposed mitigation measures, residual impacts and information deficiencies.

• AG CA EV MS SC

### Rafferty-Alameda Dam Project : initial environmental evaluation, vol. II : public consultation process

Regina : Environment Canada, Conservation and Protection, 1989. 523 p.  
MICROLOG 90-02853 6 fiche

The Rafferty-Alameda project is the most recent water management proposal to be considered for southeastern Saskatchewan. The project would dam the Souris River and a tributary, Moose Mountain Creek, creating 2 reservoirs and integrating the new works into the present water control system. Final provincial approval was granted in February 1988 and preliminary construction began in March. A federal license was received in June 1988, then quashed in April 1989, at which time the federal government was ordered to comply with its Environmental Assessment and Review Process guidelines. This document provides an explanation of the public participation process followed; transcripts of the public meetings held in Saskatchewan, North Dakota and Manitoba, and the written submissions received.

• AG CA EV MS SC

### Rafferty-Alameda Dam Project : initial environmental evaluation, vol. III : moderator's report

Regina : Environment Canada, Conservation and Protection, 1989. 47 p. : ill.  
MICROLOG 90-02834 1 fiche

The Rafferty-Alameda project is the most recent water management proposal to be considered for southeastern Saskatchewan. The project would dam the Souris River and a tributary, Moose Mountain Creek, creating 2 reservoirs and integrating the new works into the present water control system. Final provincial approval was granted in February 1988 and preliminary construction began in March. A federal license was received in June 1988, then quashed in April 1989, at which time the federal government was ordered to comply with its Environmental Assessment and Review Process guidelines. This document presents the moderator's report, covering consideration of the primary and secondary issues, the provincial and federal environmental review process, and the conclusions reached.

• AG CA EV MS SC



**Rafferty-Alameda Dam Project : summary report of the initial environmental evaluation for Environment Canada, Conservation and Protection**

Dominion Ecological Consulting Ltd. Regina : Environment Canada, Conservation and Protection, 1989. iv, 57 p. : maps. MICROLOG 90-02835 1 fiche

The Rafferty-Alameda project is the most recent water management proposal to be considered for southeastern Saskatchewan. The project would dam the Souris River and a tributary, Moose Mountain Creek, creating 2 reservoirs and integrating the new works into the present water control system. Final provincial approval was granted in February 1988 and preliminary construction began in March. A federal license was received in June 1988, then quashed in April 1989, at which time the federal government was ordered to comply with its Environmental Assessment and Review Process guidelines. This document is a summary of the initial environmental evaluation prepared by Canada for the project and gives explanation of the federal review process and descriptions of the public involvement. It also includes an overview of the project and its potential impacts on water quantity and quality, migratory birds and their habitat, fish and fish habitat, federal lands, rare and endangered species, and navigable waters. ● AG CA EV MS SC

**Rail transport of coal : a selective bibliography**

by R.G. Maughan. Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1989. vii, 79 p. Bibliogr. Bilingual (*Transport du charbon...*) MICROLOG 90-07208 1 fiche

This selective bibliography is comprised of material published from 1978-89 concerning the transport of coal by rail, along with the interfacing terminals, in various coal producing countries of the world. Generally, only documents dealing with those railway components or operating systems which exist solely to enable coal train operation have been included. A brief general description of the system employed in various countries for the transport of large quantities of coal by rail on a regular basis is given, as well as data on coal production worldwide. CA NR SC TR

**Railway and pipeline transportation of coal : information from a recent series of visits**

by J.H. Walsh. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1982. 7 p. (Report ; FMP 62/176-SP) At head of title: *Working party on movement of solids : report no. 5*. MICROLOG 90-04526 1 fiche

A series of visits were undertaken to the U.S. to obtain information on the relative competitive position of modern railway transportation methods as compared to coal slurry pipelines for the transportation of coal. The discussion included new railway transportation methods, coal pipelines, and the Lambert's Point, Virginia ship loading facilities. ● CA CM EN NR SC TR

**Railway lands : final report to remove the holding symbol for Precinct '7'**

Toronto Planning and Development Dept., 1988. 73 p. ill. maps. MICROLOG 90-06583 1 fiche

CN has applied to have the Holding Symbol removed from the zoning designations for

Precincts 7, 8 and 9 of the Railway Lands in accordance with the provisions of Section II of the Part II Official Plan for the Railway Lands. This report recommends that the Holding Symbol be removed for Precinct 7, subject to the owners entering into the Agreements required by the Part II Plan. It also recommends that the precinct be exempted from part lot control. MU ON SC TR

**Railway safety -- Rev.**

by J.-D. Bélanger. Ottawa : Library of Parliament, Research Branch, 1989. 15 p. Bibliogr. (Current issue review ; 87-9E) French ed. (*La Sécurité ferroviaire*) on the same fiche. ISBN 0-660-13394-6 MICROLOG 90-03028 1 fiche

Examination of level-crossing accidents and derailments, giving trends and causes, the recommendations and implementation of the Foisy Report on the Hinton collision, and parliamentary action taken. A chronology is included. CA SC TR

**Rainbow Falls Provincial Park : management plan**

Toronto : Ministry of Natural Resources, 1989. iii, 15 p. : maps. ISBN 0-7729-0267-4 MICROLOG 90-06687 1 fiche

Rainbow Falls Provincial Park is a recreation class park located on the north shore of Lake Superior just off provincial highway 17. This management plan covers the boundaries and land tenure; zoning; resource management policies for fisheries, wildlife, vegetation, fire, landforms and cultural resources; operations; development of campgrounds, day-use areas, trails and visitor centre; implementation priorities, and methods of plan review and amendments. CU ON PR

**The Rainbow report : our vision for health**

Edmonton : Premier's Commission on Future Health Care for Albertans, 1989. 3 v. : ill. Contents: Vol. 1 : *Our vision for health -- Vol. 2 : Directions for change -- Vol. 3 : Supplemental information*. ISBN 0-7732-0315-X MICROLOG 90-02907 5 fiche

The Commission was appointed to examine changes in future health requirements in Alberta (population trends, preventative health measures, training and technology, patterns of illness, public needs and expectations, funding, other relevant factors), to examine roles, responsibilities and expectations of volunteers, community agencies, health care professionals, private sector interests, and of governments, to examine incentives and mechanisms to maintain the quality and accessibility of health services by encouraging innovative and economic use of resources; and to examine and make recommendations on other matters deemed relevant. This document contains the plan for future health and health care, information on directions for change, and supplemental information. AL HE PR

**The Rainbow report : our vision for health : materials guide : final report**

compiled and edited by Marion A. Salfman. Edmonton : Premier's Commission on Future Health Care for Albertans, 1989. 136 p. MICROLOG 90-04276 2 fiche

The Guide facilitates public access to the documents researched by and created by the Premier's Commission on Future Health Care for Albertans. It also serves as the bibliography to the Commission's final report, The Rainbow Report. It lists materials used by the Commission during its two-year mandate to review the current system of health care and

to make recommendations for health care in the 21st Century. AL HE PR

**Rainbow trout farming polluting the Archipelagic Sea**

by J. Eklund. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 8 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5251) Originally published in Finnish. ISSN 0704-3716 MICROLOG 90-02721 1 fiche

Rainbow trout farming began in Finland in the 1960s in inland earth ponds but was restricted by a shortage of suitable farm locations and the rapid pollution of waters. The first marine farm began in Kustavi in the Archipelagic Sea at the beginning of the 1970s. The value of rainbow trout production corresponds to more than 40% of the value of the professional total catch, making it the most economically important fish in Finland. This paper evaluates the water pollution resulting from fish farming in the sea and its effect upon Baltic herring, which spawn in the same area as the fish farms. The paper also describes the use of a funnel to collect waste feed and the fish feces and recycle it. ● CA CF EV FI SC

**Raising sea otters in captivity**

by T.A. Mal'kovich. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 19 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5489) Originally published in Russian, by the Siberian Branch of the Academy of Sciences of the U.S.S.R. in the U.S.S.R. ISSN 0704-3716 MICROLOG 90-01685 1 fiche

After 1924, sea otters were strictly protected in the Komandorskie Islands, but although hunting was discontinued, the numbers grew very slowly, mainly through ignorance of the biology of the animal. In 1934-36, experiments were begun on keeping sea otters in captivity on Mednyi Island. This paper describes the methods of capture, the keeping of the otters in captivity, their behaviour, feeding, breeding, raising the young, the release of domesticated otters, and their acclimatization. ● CA CF FI SC

**Ralph Pickard Bell Library, Mount Allison University : Information Transfer Programme : final report**

by D.N. Buhay. Sackville, N.B. : Mount Allison University, Ralph Pickard Bell Library, Information Transfer Programme, 1989. 105 p. : ill. MICROLOG 90-05699 2 fiche

The major objective of the programme is the promotion of economic development in the region. To achieve this, the programme will strengthen the links between the resources of existing and emerging information networks the resources Mount Allison University makes available to the network, and the scientific and technological information needs of entrepreneurs, innovators, and researchers, whether local or served elsewhere in the network. This document discusses the implementation and promotion/marketing of the program. AP ED PR TE

**Range of variation in estimates of dry weight for planktonic Crustacea and Rotifera from temperate North American lakes**

by D.F. Malley, S.G. Lawrence and M.A. MacIver. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1989. 49 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1666) This is the 21st technical report from the Central and Arctic Region, Winnipeg.



ISSN 0706-6457

MICROLOG 90-02018 1 fiche

Dry weights of individual zooplankters are known to vary from lake to lake, with season, with variability in abundance of food, or from predation and competition. Furthermore, methodological differences in determining weights probably contribute to the variation. Dry weights calculated from measurements of 3 body dimensions are reported for crustaceans and rotifers from 4 Precambrian Shield lakes in the Experimental Lakes Area in northwestern Ontario, from Clay Lake near Dryden, Ontario and from a prairie pothole lake near Erickson, Manitoba. As well, directly-obtained dry weights are presented for planktonic crustaceans from 3 Laurentian Great Lakes. Length-weight regressions are presented for copepods and cladocerans. Some new data on the effects of season, lake depth, method of preservation, and on variability of application of this method among technicians are presented.

• CA CF FI SC

### Range Program Review : final report

British Columbia. Range Program Review Task Force. Victoria : Ministry of Forests, 1989.

ix, 61 p. : ill. ISBN 0-7718-8859-7

MICROLOG 90-00646 1 fiche

This document includes the recommendations of the Task Force, and describes the current program and range management issues. It also provides a synopsis of working group reports such as noxious weed management, livestock-wildlife interactions and grazing-silviculture interactions and public comments on program performance.

BC EV FO PR SC

### Rapport à l'ACDI : attitudes du public canadien à l'égard de l'aide au développement international

Ottawa : Agence canadienne de développement international, 1989. 31, 32 p. : ill. *Bilingue* (Report to CIDA...). CSI 22199.002. ISBN 0-662-56816-8

MICROLOG 90-01747 1 fiche

L'Agence canadienne de développement international (ACDI) est la principale agence fédérale responsable de l'administration de l'aide aux pays du tiers monde. Ce document porte sur un sondage national, mené auprès de 1 650 personnes de 16 ans et plus résidant au Canada, et a couvert des sujets aussi divers que les enjeux mondiaux; le rôle du Canada dans le développement international, les attitudes envers l'aide au développement international; la connaissance des difficultés du développement international; les sources d'information sur le développement international. Le rapport fait ressortir les différences de résultats entre ce sondage et des études antérieures effectuées pour le compte de l'ACDI et du ministère des Affaires extérieures.

BS CA EX

### Rapport annuel des activités entreprises en vertu du code canadien du travail, partie I, 1988-89

Canada. Travail Canada. Service fédéral de médiation et de conciliation. Ottawa : le Service, 1989. 40, 38 p. : ill. *Bilingue*. (Annual report on proceedings...). CSI 21114.023. ISBN 0-662-56881-8

MICROLOG 90-02941 1 fiche

Ce document présente le rapport annuel sur l'exercice des fonctions confiées au ministre du Travail en vertu du Code pendant l'année financière 1988-89. Le document donne des renseignements sur le Service fédéral de médiation et de conciliation, la revue des activités de l'exercice 1988-89, et les services d'arbitrage

CA LA

### Rapport annuel des déchargements : fruits et légumes frais sur 10 marchés canadiens, 1989

Ottawa : Agriculture Canada, Direction générale du développement agricole, Division du développement des productions végétales, Section d'horticulture, 1990. 140 p. *Bilingue* (Annual unload report...). CSI 21100.005. ISSN 0576-0526

MICROLOG 90-06151 2 fiche

Le présent rapport contient des données sur les arrivages de fruits et de légumes, pour consommation en frais, en milliers de livres par mois et selon la provenance. Les chiffres comprennent les arrivages par train de marchandises et par bateau de même que les arrivages par camion pour les grossistes et les magasins à succursales. Les arrivages par wagonnées mixtes sont décomposés, le cas échéant, et les équivalents en milliers de livres sont ajoutés au poids de chaque produit. Le document est divisé selon les endroits d'arrivage: Halifax, St-Jean (NB), Montréal, Toronto, Winnipeg, Regina, Saskatoon, Edmonton, Calgary et Vancouver.

AG CA CO ST

### Rapport annuel des nouveaux cas de cancer déclarés au fichier des tumeurs du Québec, 1987

par M. Beaupré. Québec : Gouvernement du Québec, Ministère de la santé et des services sociaux, Services des études opérationnelles, 1990. xii, 86 p. : ill. Bibliogr. CSI 66130.002. ISBN 2-550-20606-1

MICROLOG 90-07281 2 fiche

Cette publication présente les données de base sur le cancer au Québec, en 1987, et informe l'utilisateur sur les modalités d'accès au fichier, l'information disponible, et la qualité des données. Elle se penche particulièrement sur la structure du fichier des tumeurs du Québec en 1987, la synthèse statistique et les tableaux détaillés.

HE PR QU ST

### Rapport annuel des statistiques municipales, 1989

Fredericton : Ministère des affaires municipales, 1989. 76 p. *Bilingue* (Annual report of municipal...). CSI 45112.002. ISSN 0319-4183

MICROLOG 90-03179 1 fiche

Ce rapport contient des statistiques sur les recettes et les dépenses relativement aux divers services dispensés par les municipalités et les districts de services locaux. Pour le calcul des subventions inconditionnelles, les municipalités ont été regroupées selon leurs ressemblances pour ce qui est de la population, des services dispensés, du budget net par habitant et des caractéristiques urbaines. Ces regroupements permettent de fonder les subventions inconditionnelles sur des comparaisons et de tenir compte des facteurs comme l'assiette fiscale, la densité démographique et l'effort fiscal.

AP CO MU PR ST

### Rapport annuel du personnel de la CCEA sur la centrale nucléaire Gentilly 2 pour l'année 1988

Ottawa : Commission de contrôle de l'énergie atomique, 1989. ii, 21 p. : ill. (Rapport). INFO-0313

MICROLOG 90-01368 1 fiche

Ce rapport donne la revue des activités importantes reliées à l'exportation sécuritaire de la centrale, ainsi que celles qui sont reliées au permis d'exploitation. De plus, il fournit des renseignements sur la production électrique de la centrale Gentilly 2, les écarts à la ligne de conduite pour l'exploitation, les événements devant être rapportés conformément au permis d'exploitation no. 4/88, l'évaluation détaillée de l'exploitation de la centrale; et l'article A.B.3 de

l'annexe A.B du permis.

CA LA

### Rapport annuel national sur les drogues, 1988-89 et indicateurs de tendances d'ici 1991

Ottawa : GRC, Direction de la police des drogues, 1989. vii, 110, vii, 110 p. : ill., cartes géogr. *Bilingue* (National drug intelligence...). CSI 22279.002. ISSN 0820-6228

MICROLOG 90-06943 3 fiche

Ce rapport a pour objet de présenter une analyse détaillée de l'origine, de la quantité, des voies d'acheminement, des modes de transports et des méthodes de contrebande des drogues du marché illicite canadien, de même que des opérations financières associées à cette activité. Il vise principalement à coordonner le rassemblement, la collation, l'analyse et la diffusion des renseignements nationaux et étrangers sur les drogues pouvant intéresser les législateurs, ainsi que les organismes et les personnes chargés de la lutte anti-drogue. Le rapport débute par le sommaire des activités de 1988-89 et présente les tendances d'ici 1991. Il analyse ensuite chacun des grands groupes de drogues: l'héroïne, la cocaïne, les drogues chimiques et le cannabis. Finalement, le rapport fournit la liste des principales saisies de drogues au Canada ou en route vers le Canada en 1988.

CA JU SA ST

### Rapport annuel sur l'écoute électronique : requis par l'article 178.22 du Code Criminel, 1988

Ottawa : Solliciteur général Canada, 1989.

43, 41 p. *Bilingue* (Annual report on electronic...). CSI 21121.004.

MICROLOG 90-02771 2 fiche

Ce rapport contient des informations relativement à certaines infractions prévues au "Code criminel" dans les cas où elles salissent à l'une des conditions énumérées à l'article 57 de la "Loi sur les infractions en matière de sécurité", ou sont commises dans les Territoires du Nord-Ouest ou au Yukon. De plus, le rapport fournit un aperçu concernant certaines exigences de procédure; les exigences relative à la présentation de rapports, les statistiques et les analyses, et, l'évaluation d'ensemble.

CA JU SC ST TE

### Rapport annuel sur les assurances, 1988

Québec (Province). Inspecteur général des institutions financières Québec. Gouvernement du Québec. L'inspecteur générale des institutions financières, Direction générale des assurances, 1988. 481 p. CSI 66101.002

MICROLOG 90-00965 6 fiche

Ce rapport traite de la mission et de la structure organisationnelle de la Direction générale des assurances; il contient principalement des informations sur l'identité des assureurs qui détenaient, au 31 décembre 1988, un permis pour exercer au Québec. On y trouve également les catégories d'assurances que chacun des assureurs était autorisé à pratiquer de même que les modifications apportées au registre des assureurs. Finalement, le rapport fournit des données sur la situation financière des assureurs et le résultat de leurs opérations. Cette dernière partie du rapport comporte deux sections, l'une relative aux assurances de personnes et l'autre relative aux assurances générales.

CO PR QU ST

### Rapport annuel sur les caisses d'épargne et de crédit, 1989

Québec (Province). Inspecteur général des institutions financières. Québec : l'inspecteur,



1990. 107 p. *CSI 66101.007* ISSN 1180-3398 ISBN 2-550-20755-6  
MICROLOG 90-07308 2 fiche

Depuis le 1er avril 1983, l'inspecteur général des institutions financières est chargé de la surveillance et du contrôle des institutions financières autorisées à faire affaires au Québec et de l'administration des lois qui s'y rapportent. Ce document présente le rapport annuel sur les caisses d'épargne et de crédit de l'inspecteur général des institutions financières pour l'année 1989. Il porte principalement sur la situation financière des caisses, leur administration, leurs pratiques et l'application des lois et règlements qui les régissent.  
CO PR QU

#### Rapport annuel sur les compagnies de fidéicommis, 1987

Québec (Province). Inspecteur général des institutions financières. Québec : l'inspecteur, 1988. 79 p. *CSI 66101.005*. ISSN 0701-6271 ISBN 2-550-18661-3  
MICROLOG 90-01210 1 fiche

Dans leurs activités fiduciaires, les compagnies de fidéicommis administrent des biens qui leur sont confiés par des individus ou des corporations sous la forme de successions, de fiducies et de mandats. Dans un premier temps, le rapport fournit des renseignements d'ordre corporatif sur les compagnies qui détiennent un certificat d'enregistrement au Québec au 31 décembre 1987; ensuite, il présente les renseignements sur la situation financière et les résultats de chacune des compagnies de fidéicommis autorisées à faire affaires au Québec; finalement, il présente les états financiers.  
CO PR QU ST

#### Rapport annuel sur les futurs niveaux d'immigration déposé au Parlement, 1989

Ottawa : Emploi et immigration Canada, 1989. 7, 7 p. *Bilingue (Annual report to Parliament...)*. *CSI 22138.005*. ISBN 0-662-57002-2  
MICROLOG 90-00723 1 fiche

Ce rapport indique les niveaux d'immigration pour l'année civile 1990. Ils ont été fixés après consultation des gouvernements provinciaux et territoriaux et d'un grand nombre d'organismes non gouvernementaux. Ils tiennent aussi compte du consensus sur le nombre d'immigrants à admettre auquel en sont arrivés, ces dernières années, le secteur privé et les organismes bénévoles. De plus, on y indique le nombre d'immigrants que le gouvernement canadien juge opportun d'admettre durant une période déterminée et la manière dont on a tenu compte des aspects démographiques pour fixer ce nombre.  
CA EX

#### Rapport annuel sur les sociétés de fiducie et les sociétés d'épargne, 1988

Québec (Province). Inspecteur général des institutions financières. Québec : l'inspecteur, 1989. 115, 11 p. *Bilingue (Annual report on trust...)*. *CSI 66101.006*. ISSN 0843-9109 ISBN 2-550-19859-X  
MICROLOG 90-02954 2 fiche

Ce document présente le rapport de l'inspecteur général des institutions financières sur l'état des affaires des sociétés au Québec en 1988. On y trouve des renseignements détaillés sur les sociétés autorisées à faire affaires au Québec. Ces renseignements sont regroupés en trois parties: la première rend compte de l'activité des sociétés au Québec en 1988, la seconde présente sous forme de tableaux sommaires les principaux éléments des états financiers de chacune des sociétés autorisées à faire affaires au Québec et la dernière fournit des renseignements généraux

de nature corporative sur ces sociétés.  
CO PR QU

#### Rapport annuel sur les sociétés de fiducie et les sociétés d'épargne, 1989

Québec (Province). Inspecteur général des institutions financières. Québec : l'inspecteur, 1990. 120 p. *L'éd. anglaise de la partie I, (Annual report on trust...)* : 90-06074/1. *CSI 66101.006*. ISSN 0843-9109 ISBN 2-550-20756-4  
MICROLOG 90-05734 2 fiche

On trouve dans ce rapport des renseignements détaillés sur les sociétés autorisées à faire affaires au Québec. Ces renseignements sont regroupés en trois parties: la première rend compte de l'activité des sociétés au Québec en 1989, la seconde présente sous forme de tableaux sommaires les principaux éléments des états financiers de chacune des sociétés autorisées à faire affaires au Québec et la dernière fournit des renseignements généraux de nature corporative sur ces sociétés.  
CO PR QU

#### Rapport au Ministre des transports concernant l'application de la Loi sur le camionnage pour l'année 1988

Québec : Commission des transports du Québec, 1989. 52 p. : ill. *CSI 67138.002*. ISBN 2-550-19688-0  
MICROLOG 90-01398 1 fiche

Ce rapport propose, comme objectif, d'identifier les éléments significatifs de l'application de la Loi sur le camionnage et ce, dans une perspective évolutive et dans la mesure où cela apparaît dans une première année. Les sujets suivants sont traités dans le rapport: les faits saillants de l'application des nouvelles dispositions légales; les principales modifications législatives et réglementaires depuis janvier 1988; l'administration des demandes; les détenteurs, les licences et les permis; et, l'évolution et la structure du marché.  
PR QU SC ST TR

#### Rapport au Parlement sur l'application de la Loi sur la protection civile, 1989-90

Protection civile Canada. Ottawa : le Ministère, 1990. 70, 66 p. *Bilingue (Report to Parliament...)*. *CSI 22315.003*. ISBN 0-662-57643-8  
MICROLOG 90-07030 2 fiche

Document présentant le rapport sur l'application de la Loi sur la protection civile pour la période du 1er avril 1989 au 31 mars 1990. Il porte principalement sur le système canadien des mesures d'urgence; la planification fédérale; la coopération fédérale-provinciale; la coopération internationale, l'information publique; et, la recherche et les projets spéciaux.  
CA JU NR

#### Rapport conjoint : le chalutage au Québec : problématique et suivi temporel de ses effets sur huit lacs de la région de la Mauricie

par L. Houde, M. Lemieux et J. Dupont. Québec : Ministère de l'environnement du Québec, Direction de la qualité du milieu aquatique, Ministère du loisir, de la chasse et de la pêche, Direction de l'aménagement et de l'exploitation de la faune, Région Trois-Rivières, 1989. xv, 137 p. : ill. Bibliogr. *En tête du titre: Précipitations acides*. ISBN 2-550-19624-4  
MICROLOG 90-01856 2 fiche

Ce rapport rend compte des expériences de chalutage de lacs acides menées en Mauricie, et dont la première remonte à 1981. Ces expériences ont eu lieu en Zones d'Exploitation Contrôlée (ZEC), sous l'instigation du ministère du Loisir, de la Chasse et de la Pêche, avec comme objectif principal d'augmenter ou de

diversifier dans deux cas l'offre de pêche jugée déficiente. De 1981 à 1987, l'échantillonnage de l'eau des lacs s'est fait à raison de 60 à 84 échantillons par année et les analyses ont été effectuées au laboratoire du ministère de l'Environnement du Québec.  
EV NR PR PS QU SC

#### Rapport d'enquête en vertu de l'article 229 de la Loi sur les chemins de fer : au sujet des facteurs et éléments susceptibles de provoquer ou de prévenir les accidents liés à la manutention et à l'intention des wagons-citernes non pressurisés servant au transport des marchandises dangereuses dans le corridor Sarnia-Montreal de la Compagnie des chemins de fer nationaux du Canada

Ottawa : Office national des transports du Canada, Direction des enquêtes sur les chemins de fer et les productoducs, 1990. 48, 53 p. : ill. *Bilingue (Report on an inquiry...)*.  
MICROLOG 90-04270 2 fiche

Les wagons marchandises des chemins de fer canadiens ont toujours été soumis à une forme ou une autre d'inspection. Généralement, les inspections ont lieu au moment de la formation des trains et, à nouveau, avant leur départ. De nos jours, ces pratiques ont été réduites à l'essentiel. Néanmoins, si les wagonniers et leurs superviseurs respectent les exigences établies dans les règlements gouvernementaux et celles des compagnies de chemin de fer, les risques d'incidents causés par des défaillances du matériel peuvent diminuer grandement. Le document se penche sur les points suivants: les événements à l'origine de l'enquête; les circonstances concernant le cas du wagon-citerne GATX 12073; l'enquête au triage de Sarnia, l'enquête au triage MacMillan de Toronto; l'enquête au triage Taschereau de Montréal; l'analyse des données recueillies à tous les triages; les conclusions et les recommandations.  
CA ON QU SC TR

#### Rapport d'enquête sur les circonstances de l'abordage du navire danois Nordpol et du NCSM Kootenay au large de Cape Beale, île de Vancouver le 1er juin 1989

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1990. 46 p. : ill. (Rapport ; no 542) *L'éd. anglaise (Report of investigation...off Cape Beale...)* sur la même fiche  
MICROLOG 90-06624 2 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
BC CA SC TR

#### Rapport d'étape sur le programme d'accès à l'égalité pour les femmes de la fonction publique du Québec

Québec : Gouvernement du Québec, Conseil du trésor, 1990. II, 18 p. ISBN 2-550-20971-0  
MICROLOG 90-07317 1 fiche

Ce document rappelle sommairement les principaux éléments du Programme d'accès à l'égalité pour les femmes de la fonction publique. La seconde présente le degré d'atteinte des résultats relatifs aux objectifs quantitatifs gouvernementaux, lesquels visent une amélioration de la représentation des femmes dans quatre catégories d'emploi. La priorité est accordée aux objectifs quantitatifs puisqu'ils sont les indicateurs majeurs de la performance du gouvernement, à titre d'employeur, en



matière d'accès à l'égalité. Cette partie traite également des mouvements de recrutement, de promotion et de départ pour l'ensemble de la fonction publique. Le rapport se termine en faisant état des progrès accomplis et en faisant mention des efforts requis des ministères et des organismes pour atteindre les objectifs gouvernementaux.  
LA PA PR QU SA

#### Rapport d'état des programmes et projets au 30 septembre 1989

Winnipeg : Opération centre-ville de Winnipeg, 1989. 108 p.  
MICROLOG 90-06270 2 fiche

Opération centre-ville est un projet auquel participent les trois ordres du gouvernement en vue d'améliorer la situation économique, sociale et matérielle des habitants du centre-ville de Winnipeg. Créée en 1981 grâce à une entente entre le Canada, le Manitoba et Winnipeg, Opération centre-ville de Winnipeg est composée de 13 programmes différents. En 1986, l'entente a été renouvelée dans le but de poursuivre une série de programmes très semblables. Ce rapport de situation fournit des détails sur les activités entreprises dans le cadre de la seconde entente (1986-91), depuis ses débuts jusqu'au 30 septembre.  
CA MS MU PL PR SA SC

#### Rapport d'étude d'impact sur l'environnement d'un projet d'exploitation à ciel ouvert près du lac Upsalquitch

par Washburn & Gillis Associates Ltd. ; pour Marshall Minerals Corp. ; soumetté au ministère des Affaires municipales et de l'environnement du Nouveau-Brunswick. Fredericton : Washburn & Gillis Associates, 1990. xiii, 355 p. : ill., cartes géogr. Bibliogr. L'éd anglaise (Environmental impact assessment report...) : 90-06016/4.  
MICROLOG 90-06018 4 fiche

Le rapport comprend une description du projet et de l'infrastructure connexe, le milieu écologique, l'identification des préoccupations environnementales associées au projet dans le milieu décrit, l'identification des mesures d'atténuation permettant d'adresser les préoccupations relatives à chacune des phases du projet: construction et aménagement, exploitation et post-exploitation; et, finalement l'élaboration d'un plan de surveillance afin d'assurer le respect des objectifs établis dans le rapport d'étude d'impact sur l'environnement et de mesurer l'exactitude des résultats prévus.  
AP EV NR PR SC

#### Rapport d'expertise sur les sédiments de fond du fleuve Saint-Laurent en aval de l'île aux Sternes

par C. Barbeau. Québec : Ministère de l'environnement, Direction du patrimoine écologique, 1988. 48 p. : ill. En tête du titre: Sauvegarde du patrimoine écologique. ISBN 2-550-19410-1  
MICROLOG 90-01870 1 fiche

L'objectif de cette expertise est d'évaluer la variation de fonds du Saint-Laurent, en aval de l'île aux Sternes, face à Baie-Jolite, à la suite de la création artificielle, en 1965, de l'île aux Sternes. Dans la première partie du rapport, il est fait état des observations découlant des données photographiques et bathymétriques. La seconde partie traite de l'analyse radioactive et chimique des sédiments.  
EV NR PR PS QU SC

#### Rapport d'investigation sur les circonstances concernant la perte par-dessus bord d'un membre d'équipage du caseyeur L'Océanique, dans le Golfe Saint-Laurent, le 22 mai 1986

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1986. 19 p. : ill. (Rapport ; no 441)  
MICROLOG 90-04798 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA QU SC TR

#### Rapport d'investigation sur les circonstances dans lesquelles le bac Joseph Savard a heurté le quai à Saint-Bernard-de-l'Île-aux-Coudres et dans lesquelles 15 passagers ont été blessés et 15 véhicules ont été endommagés le 13 juillet 1986

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 19 p. : ill., cartes géogr. (Rapport ; no 460)  
MICROLOG 90-04779 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des photos du navire.  
CA QU SC TR

#### Rapport d'investigation sur les circonstances dans lesquelles le chaland Seaspan 461 a heurté l'estacade de protection du pont de la B.C. Hydro dans le bras nord du fleuve Fraser le 14 novembre 1985

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 14 p. : ill. (Rapport ; no 440)  
MICROLOG 90-05325 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
BC CA SC TR

#### Rapport d'investigation sur les circonstances dans lesquelles le N.M. Trave Ore a heurté un fragment d'iceberg dans l'océan Atlantique, au nord-est de Terre-Neuve le 6 juillet 1989

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 34 p. : ill. (Rapport ; no 536) L'éd. anglaise (Report of investigation...M.V. Trave Ore...) : 90-02483/1.  
MICROLOG 90-03249 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
AP CA SC TR

#### Rapport d'investigation sur les circonstances dans lesquelles le navire panaméen Northern Cherry a heurté l'appontement no 14, dans le port de Hamilton (Ont.), le 14 mai 1986

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 16 p. : ill., cartes géogr. (Rapport ; no 443)  
MICROLOG 90-04796 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA ON SC TR

#### Rapport d'investigation sur les circonstances dans lesquelles le navire philippin Testarossa a heurté un fond rocheux lors de manoeuvres en vue de l'accostage à Port-Cartier le 23 mars 1986

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 24 p. : ill. (Rapport ; no 459)  
MICROLOG 90-04780 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des photos du navire.  
CA QU SC TR

#### Rapport d'investigation sur les circonstances dans lesquelles le remorqueur James E MacGrath a coulé suite à une manoeuvre d'appareillage du navire Hon Paul Martin à Port Weller en Ontario le 23 septembre 1988

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1988. 29 p. (Rapport ; no 530) L'éd. anglaise (Report of investigation...James E McGrath) sur la même fiche  
MICROLOG 90-00872 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA ON SC TR

#### Rapport d'investigation sur les circonstances dans lesquelles le remorqueur Rod McLean a fait naufrage après avoir été ceinturé par sa remorque, dans le Port de Sault Ste. Marie (Ont.) le 14 octobre 1985

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 21 p. : ill. (Rapport ; no 438)  
MICROLOG 90-05327 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA ON SC TR

#### Rapport d'investigation sur les circonstances dans lesquelles un bris d'appareil propulsif du navire canadien Paterson est survenu dans le port de Montréal au Québec, le 17 septembre 1985

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1986. 7 p. (Rapport ; no 452)  
MICROLOG 90-05307 1 fiche



Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA QU SC TR

**Rapport d'investigation sur les circonstances dans lesquelles un membre d'équipage du navire de pêche *Cape Bauld* a été blessé pendant les opérations de pêche, au large de la côte de la Nouvelle-Ecosse le 28 mai 1986**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1987. 11 p. : ill.  
(Rapport ; no 450)  
MICROLOG 90-05306 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA FI SC TR

**Rapport d'investigation sur les circonstances de l'abordage du navire de lac canadien *John B. Aird* et d'un yacht canadien, permis no 32 E 30450, dans les eaux américaines au large de Chippewa Point, (N.Y.), le 30 juillet 1986**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1987. 31 p. : ill.  
(Rapport ; no 454)  
MICROLOG 90-04794 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
AP CA SC TR

**Rapport d'investigation sur les circonstances de l'abordage du navire panaméen *Ocean Fame* et du navire soviétique *Ittyshsk* à 20 milles au sud-ouest de Cap. Beale (C.-B.), le 24 août 1988**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 49 p. : ill., cartes géogr. (Rapport ; no 531) L'éd. anglaise (Report of investigation...Ocean Fame.) : 90-01361/1  
MICROLOG 90-01804 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA SC TR

**Rapport d'investigation sur les circonstances de l'abordage du vraquier espagnol *Laura Pando* et du vraquier-minéralier-pétrolier libérien *Maureen* au mouillage de Port-Cartier, le 2 décembre 1985**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 23 p.  
(Rapport ; no 439)  
MICROLOG 90-05326 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA QU SC TR

**Rapport d'investigation sur les circonstances de l'abordage du vraquier grec *John M* et du porte-conteneurs cypriste *Makja II* au large de la côte sud de Terre-Neuve, le 4 mars 1988**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 41 p. : carte géogr. (Rapport ; no 528)  
MICROLOG 90-01359 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA SC TR

**Rapport d'investigation sur les circonstances de l'abordage du vraquier immatriculé au Libéria *Papu* et des deux chalands tirés par le remorqueur canadien *Larain*, dans les eaux américaines du détroit Juan de Fuca, le 12 juillet 1989**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 51 p. : ill., cartes géogr. (Rapport ; no 539) L'éd. anglaise (Report of investigation...Papu...) : 90-05889/1  
MICROLOG 90-06111 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA SC TR

**Rapport d'investigation sur les circonstances de l'échouement du bateau de pêche canadien *Pennylair* sur Seal Rocks, au large de l'île française Grande Miquelon, le 12 septembre 1988 : qui a entraîné la perte totale du bateau et au cours duquel une personne a perdu la vie**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 21 p. : ill.  
(Rapport ; no 532)  
MICROLOG 90-02820 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA FI SC TR

**Rapport d'investigation sur les circonstances de l'échouement du *Canadian Progress* précédé par un quasi-abordage avec le remorqueur *Princess No. 1* et un chaland sur la rivière Détroit, le 11 décembre 1988**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 35 p. : ill.  
(Rapport ; no 533) L'éd. anglaise (Report of investigation...Canadian Progress...) sur la même fiche  
MICROLOG 90-01675 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA ON SC TR

**Rapport d'investigation sur les circonstances de l'échouement du *J.C. Phillips* sur la rivière Miramichi, le 11 avril 1986**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1986. 13 p. : cartes géogr. (Rapport ; no 437)  
MICROLOG 90-04799 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
AP CA SC TR

**Rapport d'investigation sur les circonstances de l'échouement du navire canadien *Saguenay* sur le lac Saint-François, le 25 avril 1986**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1987. 15 p. (Rapport ; no 461)  
MICROLOG 90-04778 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA QU SC TR

**Rapport d'investigation sur les circonstances de l'échouement du navire de recherche sur les pêches canadien affrété *Lady Hammond*, dans le Port de Yarmouth (N.-E.) le 11 juillet 1986**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 21 p. : ill.  
(Rapport ; no 445)  
MICROLOG 90-05323 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA FI SC TR

**Rapport d'investigation sur les circonstances de l'échouement du navire libérien *Federal Elbe* sur le fleuve Saint-Laurent, le 28 novembre 1985**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 25 p. : ill.  
(Rapport ; no 436)  
MICROLOG 90-05328 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA QU SC TR

**Rapport d'investigation sur les circonstances de l'échouement du navire libérien *Myrsinidi* dans l'entrée de Port Harmon à Stephenville (T.-N.) le 16 mars 1986**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1987. 11 p.  
(Rapport ; no 451)  
MICROLOG 90-04795 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
AP CA SC TR

**Rapport d'investigation sur les circonstances de l'échouement et de la perte totale du trois-mâts barque à moteur auxiliaire britannique *Merkur* dans les approches de Country Harbour (N.-E.) au Canada, le 4 juin 1988**

Canada. Enquêtes sur les accidents maritimes.  
Ottawa : les Enquêtes, 1989. 37 p. : ill.



(Rapport ; no 527)  
MICROLOG 90-01362 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA SC TR

**Rapport d'investigation sur les circonstances de l'échouement suivi de l'abandon du bateau de pêche canadien *Monikaroline S* sur l'île Grosse Boule, dans la baie de Sept-Îles au Québec le 7 avril 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 34 p. : ill. (Rapport ; no 435)  
MICROLOG 90-05329 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA FI QU SC TR

**Rapport d'investigation sur les circonstances de l'explosion qui a fait deux blessés à bord du *Saskatchewan Pioneer* près de Brockville en Ontario le 21 décembre 1985**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1986. 15 p. : ill. (Rapport ; no 449) *L'éd. anglaise (Investigation...Saskatchewan Pioneer...)* sur la même fiche.  
MICROLOG 90-05305 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA ON SC TR

**Rapport d'investigation sur les circonstances de l'incendie à bord du navire norvégien *Star Rover* sur le fleuve Saint-Laurent au large de pointe à Michel, le 25 janvier 1989**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 27 p. : ill. (Rapport ; no 534) *L'éd. anglaise (Report of investigation...Star Rover...)* : 90-01803/1.  
MICROLOG 90-01830 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA SC TR

**Rapport d'investigation sur les circonstances de l'incendie à bord du NM canadien *Algosoo* alors qu'il était amarré dans le canal Welland, à Port Colborne (Ont.) le 7 mars 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 32 p. : ill. (Rapport ; no 442)  
MICROLOG 90-04797 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA ON SC TR

**Rapport d'investigation sur les circonstances de l'incendie dans la salle des machines du pétrolier canadien *Enerchem Asphalt* dans le port de Québec le 13 août 1989**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 30 p. : ill. (Rapport ; no 544) *L'éd. anglaise (Report of investigation...Enerchem Asphalt...)* sur la même fiche.  
MICROLOG 90-06730 1 fiche

Rapport d'investigation fournissant la fiche technique du pétrolier, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA QU SC TR

**Rapport d'investigation sur les circonstances de la chute par-dessus bord et de la noyade d'un membre d'équipage du navire de la Garde côtière canadienne *Nicolet* dans le port de Québec, le 19 septembre 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 17 p. : ill. (Rapport ; no 463)  
MICROLOG 90-04776 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
CA QU SC TR

**Rapport d'investigation sur les circonstances de la mort d'un membre d'équipage du navire panaméen *Savic* après avoir sauté du flotteur de sauvetage à Lanoraie, Québec, le 20 juillet 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 17 p. (Rapport ; no 462)  
MICROLOG 90-04777 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
● CA QU SC TR

**Rapport d'investigation sur les circonstances de la mort des deux membres d'équipage de l'embarcation ouverte *CFV 151370* dans le voisinage de Port-au-Choix, Terre Neuve le 5 mai 1989**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 14 p. : ill. (Rapport ; no 535) *L'éd. anglaise (Report of investigation...two crewmembers...)* : 90-02079/1.  
MICROLOG 90-03227 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire.  
AP CA SC TR

**Rapport d'investigation sur les circonstances de la perte partielle d'une pontée de bois en paquets sur les navires à moteur libérien *Hamac Dawn* lors d'une tempête dans l'océan Pacifique nord le 6 janvier 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 27 p. : ill.

(Rapport ; no 446)  
MICROLOG 90-05315 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA QU SC TR

**Rapport d'investigation sur les circonstances du chavirement d'une embarcation du bateau de pêche canadien *Tonina* dans Port Eliza Inlet, sur la côte de l'île de Vancouver, le 20 décembre 1988 qui a entraîné deux pertes de vie**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1988. 19 p. : ill. (Rapport ; no 526)  
MICROLOG 90-00239 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
BC CA FI SC TR

**Rapport d'investigation sur les circonstances du chavirement de l'embarcation de sauvetage rapide *CG244 du NGCC Sir Wilfred Grenfell* tandis qu'elle participait à une mission de sauvetage à Middle Cove (T.-N) et sur les circonstances de la mort d'une personne et de la mort présumée de trois autres personnes (y compris le surfeur sans planche)**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1990. 67 p. : ill. (Rapport ; no 541) *L'éd. anglaise (Report of investigation...Sir Wilfred Grenfell...)* : 90-06625/1.  
MICROLOG 90-06626 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA SC TR

**Rapport d'investigation sur les circonstances du heurt contre la falaise en amont de Pointe aux Crêpes sur le Saguenay par le *Peter Misener* le 2 novembre, 1988**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 27 p. : ill., cartes géogr. (Rapport ; no 537) *L'éd. anglaise (Report : striking of a cliff.)* : 90-02849/1.  
MICROLOG 90-02978 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA FI SC TR

**Rapport d'investigation sur les circonstances du naufrage de la petite embarcation pour la pêche aux huîtres dans l'estuaire de la rivière Wallace (N.-E.) au cours de laquelle deux personnes ont trouvé la mort, le 11 novembre 1988**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 19 p. : ill. (Rapport ; no 529) *L'éd. anglaise (Report of investigation into the sinking...)* : 90-04773/1  
MICROLOG 90-00463 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des



événements, l'analyse des principaux facteurs et les constatations.  
AP CA FI SC TR

**Rapport d'investigation sur les circonstances du naufrage du bateau de pêche Amy Irene sur les Grands Bancs de Terre-Neuve le 2 juin 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 22 p. : ill. (Rapport ; no 456)  
MICROLOG 90-05309 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
AP CA FI SC TR

**Rapport d'investigation sur les circonstances du naufrage du bateau de pêche Jean B au large de l'île Pine dans le détroit de la Reine-Charlotte (C.-B.) le 19 février 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1986. 22 p. : ill. (Rapport ; no 447)  
MICROLOG 90-05316 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
BC CA FI SC TR

**Rapport d'investigation sur les circonstances du talonnage du minéralier Ferbec, dans la traverse du nord, fleuve Saint-Laurent, le 5 avril 1989**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 31 p. : ill. (Rapport ; no 538) L'éd. anglaise (Report on investigation. Ferbec.) sur la même fiche.  
MICROLOG 90-05586 1 fiche

Rapport comprenant la fiche technique du navire, les données préliminaires sur l'accident, le récit des événements, l'analyse des principaux facteurs et les constatations. Inclut également des diagrammes et des photos du navire  
CA QU SC TR

**Rapport d'investigation sur les circonstances entourant le déplacement de deux bouées de chenal à la suite d'une embardée hors du chenal par la navire philippin General Cabal sur le lac Saint-François, fleuve Saint-Laurent, le 18 juin 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1987. 15 p. : ill. (Rapport ; no 448)  
MICROLOG 90-05317 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA QU SC TR

**Rapport d'investigation sur les circonstances entourant la collision violente contre le quai avec des avaries importantes par le vraquier canadien Richelieu, lors de son accostage au poste 105 dans le Port de Québec le 25 mars 1986**

Canada. Enquêtes sur les accidents maritimes. Ottawa : les Enquêtes, 1989. 21 p. : ill. (Rapport ; no 444)  
MICROLOG 90-05324 1 fiche

Rapport d'investigation fournissant la fiche technique du navire, l'équipement de navigation, les données préliminaires, le récit des événements, l'analyse des principaux facteurs et les constatations.  
CA QU SC TR

**Rapport de 1988 sur le rendement des bateaux de pêche**

Halifax : Ministère des pêches et des océans, Direction de l'économie et de la coordination des programmes, 1989. 65 p. (Rapport d'analyse économique et commerciale ; no 34) ISSN 0847-1185  
MICROLOG 90-02814 1 fiche

Ce document présente diverses caractéristiques des bateaux spécialisés dans la pêche du poisson de fond, notamment des caractéristiques physiques, les profils d'investissement, des données sur les prises et sur l'effort ainsi que le rendement financier de ces bateaux.  
• CA CF FI SC

**Rapport de fin d'année, 1988-89**

Office de commercialisation du porc du Nouveau-Brunswick. Fredericton : l'Office, 1989. 9, 8 p. Bilingue (Year end report. 1988-89). CSI 46163 001.  
MICROLOG 90-03301 1 fiche

Ce document présente le rapport de fin d'année de l'Office de commercialisation du porc du Nouveau-Brunswick. Il donne des renseignements sur la visibilité de l'industrie du porc; le prix du marché du porc; l'entente tripartite de stabilisation des prix; le déménagement du bureau de l'Office et le nouveau personnel; et, les droits compensateurs américains.  
AG AP PR SC ST

**Rapport de l'étude sur la santé cardiaque au Nouveau-Brunswick**

par B.C. Balram. Fredericton : Ministère de la santé et des services communautaires ; Ottawa : Santé et bien-être social Canada, 1989. iii, 81 p. Bibliogr. L'éd. anglaise (New Brunswick heart.) : 90-03195/1.  
MICROLOG 90-03196 1 fiche

Le but de l'Etude est d'estimer la prévalence et la distribution des facteurs de risque responsables de la maladie cardio-vasculaire dans la province. Ces facteurs sont l'hypertension artérielle, des taux de lipides sanguins anormaux, le tabagisme et les états pré-morbides. L'étude touche également certains aspects de connaissances et de sensibilisation sur les facteurs conduisant à la maladie cardio-vasculaire. Ce rapport fournit les principaux résultats de l'étude.  
AP BS HE PR SC

**Rapport définitif sur la Loi sur le conditionnement des boissons au Nouveau-Brunswick**

Fredericton : l'Assemblée législative, Comité spécial chargé d'élaboration de la politique sociale, 1989. iv, 66, iii, 60 p. : ill. Bilingue (Final report on beverage...) MICROLOG 90-00796 2 fiche

Le document étudie les problèmes écologiques, dont les déchets sauvages, les matières usées solides et le gaspillage des ressources, auxquels contribuent les récipients de boissons. Le document de travail traite également de la législation sur le conditionnement des boissons en vigueur ailleurs, des nouvelles tendances de l'industrie de l'emballage et des incidences sur l'environnement qu'ont les récipients de boissons pour ce qui est des déchets sauvages, des matières usées solides et des ressources. Finalement, on y présente l'approche, de l'information additionnelle, les préoccupations du comité et les recommandations.  
AP JU PR

**Rapport définitif sur la Modification constitutionnelle de 1987**

Nouveau-Brunswick. Assemblée législative. Comité spécial de l'Accord constitutionnel de 1987. Fredericton : Assemblée législative, 1989. 140, 126 p. Bibliogr. Bilingue (Final report on the Constitution.) MICROLOG 90-00663 3 fiche

Rapport portant principalement sur l'évolution constitutionnelle conduisant à l'accord du Lac Meech; les perceptions changeantes de l'accord du Lac Meech; le mandat du comité spécial du Nouveau-Brunswick; les opinions exprimées pendant les audiences; le processus; les caractéristiques fondamentales et la société distincte; l'Accord et la primauté de la charte; l'Accord et l'égalité des sexes; les nominations au Sénat; l'immigration; la cour suprême du Canada; les programmes cofinancés; la formule de modification; les conférences constitutionnelles; et, la loi 88, reconnaissant l'égalité des deux communautés linguistiques officielles au Nouveau-Brunswick.  
AP PA PR

**Rapport définitif sur le modèle pour l'industrie de la construction : description de la méthodologie et des résultats concernant la mise au point de coefficients de la demande par profession et de projections sur l'emploi dans la construction et résumé des instructions pour l'obtention de données sur l'offre**

Dalcor Innoventures Ltd. Ottawa : Emploi et immigration Canada, 1985. 35 p. : ill. (SPPC : rapport de consultant) L'éd. anglaise (Construction sector model...) sur la même fiche  
MICROLOG 90-00776 1 fiche

Document présentant le fonctionnement du Système de projections des professions au Canada, qui doit permettre de mieux comprendre le marché canadien du travail. Ce système utilise un processus de consultation pour obtenir les meilleures données et opinions disponibles dans le secteur public et privé. De plus, il permet la création de modèles sectoriels pour certains parmi les plus importants domaines du marché du travail. Le document indique la méthode employée et les résultats de ce travail ainsi que les coefficients provinciaux de la demande par profession, l'étude de la main-d'œuvre dans le métier de la construction et le modèle pour l'industrie de la construction.  
CA LA PL SC

**Rapport des résultats officiels du scrutin du 25 septembre, 1989**

Québec : Gouvernement du Québec, Directeur général des élections du Québec, 1989. 937 p. CSI 67136 003. ISBN 2-550-20320-8  
MICROLOG 90-04247 10 fiche

Ce rapport porte sur les points suivants: les candidats proclamés élus, les directeurs du scrutin, le tableau synoptique des résultats; le recensement des votes par section de vote, les désignations des municipalités et abréviations, les statistiques du recensement des votes; les statistiques relatives à la tenue des diverses élections générales au Québec; et, les statistiques relatives aux élections partielles tenues pendant la trente-troisième législature.  
PA PR QU ST

**Rapport des résultats officiels du scrutin du 29 mai 1989 : Hull/Papineau**

Québec : Directeur générale des élections du Québec, 1989. 47 p. ISBN 2-550-19873-5  
MICROLOG 90-01419 1 fiche

Ce document présente le rapport détaillé des résultats officiels du scrutin qui s'est tenu le 29 mai 1989 dans les circonscriptions électorales



de Hull et de Papineau.  
PA PR QU

# **Rapport du Comité Audet sur l'orientation de la politique relative à la forêt privée**

présenté par Jean Audet à Albert Côté.  
Québec : le Comité, 1988. viii, 84 p. *Titre de la couv. : La Forêt privée : un potentiel à développer.*

MICROLOG 90-04960 1 fiche

Dans cette analyse, on aborde trois aspects bien précis de la question: le respect du rendement soutenu, la régénération forestière des parterres de coupe et les législations actuelles. De plus, le document se penche sur les points suivants: la loi sur l'aménagement de la forêt privée au Québec; la forêt privée et la forêt publique; les programmes du ministère de l'Énergie et des Ressources en forêt privée; et les principaux partenaires en aménagement de la forêt privée.

FO PR QU SC

# **Rapport du Comité consultatif sur l'industrie alimentaire**

Ontario. Comité consultatif sur l'industrie alimentaire. Toronto : le Comité, 1990. 21, 21 p. Bibliogr. *Bilingue (Report of the Food...)*. ISBN 0-7729-6556-0

MICROLOG 90-05061 1 fiche

Ce rapport est divisé en deux parties: la situation économique où l'on dresse un profil sommaire de l'industrie du conditionnement des aliments et une analyse des défis économiques qu'elle doit relever; et, les questions abordées et les recommandations où l'on présente les constatations et les recommandations du Comité.

AG CO ON PR SC

# **Rapport du Comité d'étude provincial-municipal sur les services sociaux**

Comité d'étude provincial-municipal sur les services sociaux (Ont.). Toronto : Ministère des services sociaux et communautaires ; Association des services de bien-être des municipalités de l'Ontario ; Association des municipalités de l'Ontario, 1990. 278 p. Bibliogr. *L'éd. anglaise (Report of the Provincial-Municipal...)* : 90-04316/3. ISBN 0-7729-6602-8

MICROLOG 90-06079 3 fiche

Dans le cadre de son étude, le comité a procédé à d'importantes consultations, publié un document de travail, reçu 98 mémoires et rencontré près de 1 000 personnes dans les 13 ateliers organisés dans la province. Ce rapport porte sur trois thèmes principaux: la gestion et la prestation des services, les accords de financement qui favorisent la gestion et la prestation des services, et la planification de l'ensemble du réseau, surtout à l'échelon local.

ON PA PR SA

# **Rapport du Conseil : Rapport annuel à tous les membres de la Société royale du Canada, pour l'année 1989-90**

Ottawa : la Société, 1990. 32, 44 p. Bibliogr. *Bilingue (Report of council...1989-90)*. CSI 22317.003. ISSN 1180-4130

MICROLOG 90-05815 1 fiche

Le rapport se penche particulièrement sur les assemblées; les membres; les rapports présentés par des membres du conseil; les rapports du siège social; les rapports des comités de la société; les représentants de la société sur les comités des autres organismes; et, les finances.

CA PS SC

# **Rapport du Conseil des gouverneurs, 1988-89**

Centre canadien d'hygiène et de sécurité au travail. Ottawa : le Centre, 1989. 42, 38 p.

*Bilingue (Canadian Centre...Report...)*. CSI 22179.001.

MICROLOG 90-00281 1 fiche

Le Centre a pour mandat de promouvoir le droit fondamental des Canadiens à un milieu de travail salubre. Il réalise son mandat en fournissant de l'information aux travailleurs canadiens, qui constituent sa clientèle aux termes de la Loi. Le document passe en revue le travail d'équipe au CCHST, les prestations des services, les engagements et rendements de l'exercice 1988-1989, l'information électronique, les publications, les services et demandes de renseignements, les visiteurs, la facilitation des ateliers, et finalement, les résultats du Rapport du vérificateur général.

CA HE LA

# **Rapport du Directeur général des élections : élection du 10 avril 1989 en Nunavik**

Québec (Province). Directeur général des élections du Québec. Québec : le Directeur, 1989. 205 p. ISBN 2-550-20789-0

MICROLOG 90-06576 3 fiche

Le document porte sur l'organisation et la tenue de l'élection du 10 avril 1989 en Nunavik. Il se penche particulièrement sur: le rôle du Directeur général des élections; l'organisation du scrutin; l'élaboration des règles; la convention de l'élection; l'innovation électorale; les opérations; la production du matériel électoral; l'impression des bulletins de vote; la préparation et le transport du matériel électoral; l'information; le scrutin et ses résultats; et, les coûts.

PA PR QU

# **Rapport du Directeur général des élections concernant les dépenses d'élection**

Canada. Bureau du Directeur général des élections. Ottawa : le Bureau, 1988. 354 p. *Bilingue (Report of the Chief...)*. CSI 22163.005. ISBN 0-662-56925-3

MICROLOG 90-03182 4 fiche

Ce rapport couvre 1559 des 1574 candidats dont les noms apparaissent sur les bulletins de vote lors de la 34<sup>e</sup> élection générale. Il contient aussi le sommaire des dépenses d'élection de 4 candidats qui se sont présentés et par la suite se sont désistés mais qui sont, cependant, requis en vertu de la Loi de soumettre un rapport concernant les dépenses d'élection. En outre, ce rapport contient les sommaires des rapports des dépenses d'élection soumis, en vertu de l'article 46(2) de la Loi, par les douze partis enregistrés, pour cette élection générale. Sont aussi inclus les sommaires des rapports des partis enregistrés pour les exercices financiers 1984 à 1988 inclusivement, présentés par les partis politiques dont l'enregistrement était en vigueur au cours de cette période.

CA CO PA ST

# **Rapport du Groupe de travail au Comité plénier**

Canada. Parlement. Sénat. Groupe de travail sur l'Entente constitutionnelle du lac Meech et sur le Yukon et les Territoires du Nord-Ouest. Ottawa : le Sénat, 1988. xiii, 53, xiii, 53 p. . ill. *Bilingue (Report of the Task...)*. MICROLOG 90-03088 2 fiche

Document présentant le rapport du Groupe de travail sur l'Entente constitutionnelle du lac Meech et sur le Yukon et les Territoires du Nord-Ouest. On y examine les points suivants: la justice; le contexte historique et politique; la participation à la fédération; l'extension des frontières provinciales; la création de nouvelles provinces; les recommandations; l'Accord constitutionnel des Territoires; et, l'Accord constitutionnel de 1983 sur les droits des autochtones.

• CA NO PA

# **Rapport du Groupe de travail du Manitoba sur la garde d'enfants**

Groupe de travail du Manitoba sur la garde d'enfants. Winnipeg : le Groupe, 1989. 112 p.

MICROLOG 90-04954 2 fiche

Document présentant des recommandations formulées qui fournissent la base d'une stratégie pratique et créatrice pour l'amélioration des services de garde d'enfants dont les familles manitobaines ont besoin. Il porte principalement sur: les services de garde d'enfants de bonne qualité pour les Manitobains; la gestion et la réglementation financière, le service de garde en milieu familial, la garde d'enfants en milieu rural; une 'nouvelle' association pour la garde des enfants autochtones; et, le financement de la garde d'enfants au Manitoba.

MS PR SA

# **Rapport du Groupe de travail fédéral-provincial-territorial sur l'orientation**

Groupe de travail fédéral-provincial-territorial sur l'orientation (Canada). Ottawa : le Groupe, 1988. vi, 69 p. Bibliogr. *L'éd. anglaise (Report of the Collaborative...counseling)* : 90-01831/1. MICROLOG 90-01832 1 fiche

Ce groupe a pour mandat d'examiner la documentation relative à l'orientation et de recommander des lignes de conduite, une procédure visant à assurer le partage entre les gouvernements de la documentation existante sur l'orientation des femmes ainsi qu'une marche à suivre visant à assurer que l'information actuelle et les prévisions concernant le marché du travail soient accessibles aux agences publiques et privées qui offrent des programmes de formation. Le document présente le rapport du Groupe.

AP LA PR

# **Rapport du Groupe de travail sur l'indemnisation fiscale des localités isolées et du nord**

présenté à Michael H. Wilson. Ottawa : le Groupe, 1989. 75, 70 p. : cartes géogr. Bibliogr. *Bilingue (Report of the Task Force on Tax Benefits...)*. ISBN 0-662-57009-X

MICROLOG 90-02195 2 fiche

Ce document porte sur le Groupe de travail qui avait pour mandat d'évaluer la possibilité d'instaurer un système de prestations graduées pour les localités situées au sud du 60<sup>e</sup> degré de latitude Nord, d'examiner l'incidence des critères existants sur les localités du Nord et des régions isolées du Canada; d'élaborer et de recommander des critères révisés de nature à réduire les anomalies et les iniquités, et de recommander un mécanisme permanent de réexamen périodique des anomalies.

CA CO NO PA

# **Rapport du Groupe de travail sur l'industrie des minéraux et la technologie des matières**

Groupe de travail sur l'industrie des minéraux et la technologie des matières (N.-B.). Fredericton : le Groupe, 1989. 68 p. : ill. Bibliogr. *L'éd. anglaise (Report from the Task Group on...)* : 90-01722/1. ISBN 1-55048-195-9

MICROLOG 90-01723 1 fiche

Le Groupe avait comme objectif de trouver les moyens d'accroître les possibilités d'emploi dans le secteur minéral grâce à une expansion accélérée. L'optique adoptée vise à établir les points forts, les débouchés et les obstacles du point de vue technologique et de recommander les mesures pertinentes. Ce document présente un résumé de ces recommandations.

AP NR PR SC



### Rapport du Ministère du revenu national : douanes, accise et impôt, 1988-89

Canada. Revenu Canada. Ottawa : le Ministère, 1989. 25 p. *Bilingue* (Report of the Canada Department...). CSI 21106.001. ISBN 0-662-55392-6  
MICROLOG 90-00726 1 fiche

Présente le rapport annuel du ministère du Revenu national, douanes, accise et impôt, pour l'exercice financier terminé le 31 mars 1989. .  
CA CO PA ST

### Rapport du président, 1988-89

Ottawa : Conseil de recherches en sciences naturelles et en génie du Canada, 1989. 47 p. : ill. L'éd. anglaise (Report of the president...) sur la même fiche. CSI 22264.002  
MICROLOG 90-00838 2 fiche

Le rapport du président du Conseil de recherches en science naturelles et en génie (CRSNG) de l'année financière 1988-1989 porte particulièrement sur les points suivants: les faits saillants de 1988-1989; les programmes de base; les bourses et programmes internationaux; la recherche orientée, la politique de financement de contrepartie, les réseaux de centres d'excellence, l'évaluation de programme, les programmes du CRSNG, et la composition des comités.  
CA CO PS SC ST

### Rapport du Surintendant des institutions financières Canada pour l'année close le 31 décembre 1987 : précis des états financiers des compagnies d'assurance de biens et de risques divers

Ottawa : Bureau du surintendant des institutions financières Canada, 1988. v. 245 p. *Bilingue* (Report of the Superintendent, casualty insurance...). CSI 22170.003. ISBN 0-660-54183-1  
MICROLOG 90-03046 3 fiche

Ce document présente le rapport sur l'état des affaires des compagnies enregistrées pour exercer des opérations d'assurance de biens et de risques divers en 1987. Ce volume contient le texte du rapport ainsi qu'une série de tableaux récapitulatifs destinés à présenter une vue d'ensemble des affaires des compagnies d'assurance canadiennes, britanniques et étrangères enregistrées en vue d'exercer des opérations d'assurance de biens et de risques divers. Les tableaux ont été dressés d'après une inspection simplement préliminaire des états.  
CA CO PA

### Rapport du Surintendant des institutions financières Canada, 1988-89 : sociétés d'investissement

Bureau du surintendant des institutions financières Canada. Ottawa : le Bureau, 1989. 23 p. *Bilingue* (Report of the Superintendent, investment...). CSI 22170.005 ISBN 0-660-55074-1  
MICROLOG 90-03173 1 fiche

La Loi sur les sociétés d'investissement recevait la sanction royale le 7 avril 1971 et entrait en vigueur le premier janvier 1972. L'exécution de la Loi relève du surintendant des institutions financières sous la direction du ministre des Finances, désigné par le Gouverneur en conseil le 14 décembre 1971, pour agir à titre de Ministre aux fins de la présente Loi. A titre de référence des renseignements sur les institutions financières, et une description du but et des principales dispositions de la Loi figure dans ce rapport.

● CA CO PA

### Rapport du Vérificateur général, 1988-89

Nouveau-Brunswick. Bureau du Vérificateur général. Fredericton : le Bureau, 1989. 115, 136 p. : ill. *Bilingue* (Report of the Auditor...). CSI 45122.001. ISSN 0382-1420 ISBN 1-55048-125-3  
MICROLOG 90-01208 3 fiche

Ce document présente le rapport du Vérificateur Général. Il fournit des renseignements sur les sujets suivants: les principales observations et recommandations; les observations sur les activités des ministères, la vérification de l'optimisation des ressources; les observations sur les organismes de la Couronne; et, les états financiers.  
AP CO JU PA PR

### Rapport et recommandations de la Commission de 1989 sur le traitement et les avantages des juges

Canada. Commission sur le traitement et les avantages des juges. Ottawa : la Commission, 1990. 50, 45 p. *Bilingue* (Report and recommendations...Judges...). ISBN 0-662-57343-9  
MICROLOG 90-03928 2 fiche

Ce rapport vise à déterminer si les traitements et autres sommes payables en application de la Loi, ainsi que les autres prestations conférées aux juges, sont satisfaisantes. Il se penche particulièrement sur les points suivants: les renseignements de base; le processus d'examen; le traitement des juges; l'écart salarial entre les cours de conté et de district et les cours supérieures; l'indexation du traitement des juges; les indemnités pour le Nord canadien, les allocations de représentation; l'indemnité de conférence; les pensions de la magistrature; les anciens juges en chef qui agissent comme juges surnuméraires ou simples juges, l'imposition des nouveaux juges; et, le résumé des recommandations.  
CA JU

### Rapport final du Groupe de travail sur la sécurité des ascenseurs de l'Ontario

Groupe de travail sur la sécurité des ascenseurs de l'Ontario. Toronto : le Groupe, 1989. 36 p. *Bilingue* (Final report...Elevator Safety...). ISBN 0-7729-6211-1  
MICROLOG 90-02081 1 fiche

Ce groupe de travail a été créé pour étudier les recommandations émises par le jury à la fin de l'enquête du coroner sur l'accident mortel qui a eu lieu le 1er avril 1989 dans un ascenseur de la rue Lees, à Ottawa. On y fournit les recommandations et les conclusions du groupe de travail.  
LA ON PR

### Rapport final sur l'évaluation des répercussions des projets de logement sans but lucratif : les valeurs foncières

Associés de recherche Ekos inc. Toronto. Groupe d'intervention en faveur du logement, 1989. 113, 100 p. : ill. Bibliogr. *Bilingue* (Final report for the evaluation...). Rapports abrégés (14, 12 p.) inclus ISBN 0-7729-5771-1  
MICROLOG 90-01862 3 fiche

En Ontario, le programme de logement sans but lucratif est le principal véhicule permettant d'offrir des logements abordables. A ce titre, il s'agit du plus important programme d'aide à l'obtention de logements convenables pour les résidents de l'Ontario ne disposant que d'un faible revenu. Ce document présente le rapport final de l'étude sur l'évaluation des répercussions des projets de logement sans but lucratif, sur les valeurs foncières.  
CO ON PL PR SA

### Rapport financier annuel des collèges publics : tenant lieu de document 4A et renseignements supplémentaires au sens du règlement sur les rapports financiers, 1988-89

Québec : Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement collégial, 1989. 81 p. CSI 66131.019. ISBN 2-550-19871-9  
MICROLOG 90-03364 5 fiche

Le document présente la structure des informations demandées dans les états financiers de l'année scolaire 1988-1989. Les données sont entrées par les collèges sur une feuille de calcul électronique. Des explications sont présentées dans le document pour aider à le compléter. Le rapport financier comprend aussi le document contenant l'opinion du vérificateur et les réponses de ce dernier au questionnaire qui lui est destiné.  
ED PR QU

### Rapport préliminaire sur les changements climatiques

Toronto : Assemblée législative, Comité spécial sur l'énergie, 1990. 9, 8 p. *Bilingue* (Interim report on climate...). MICROLOG 90-06228 1 fiche

L'effet de serre, phénomène naturel créé par la présence de vapeur d'eau et de petites quantités de gaz carbonique dans l'atmosphère, maintient la température de la surface terrestre à une température capable de soutenir la vie. L'énergie solaire, qui réchauffe la Terre, les océans et l'atmosphère, est réfléchié jusqu'à un certain point sous forme de rayonnement infrarouge. L'activité humaine, essentiellement par la production et l'utilisation d'énergie, augmente les concentrations de ces gaz dans l'atmosphère; de ce fait, on s'inquiète qu'une plus grande quantité de cette énergie thermique ne puisse s'échapper et influence ainsi, dans des proportions importantes, le climat global tant pour la température que pour les précipitations. Ce document présente un rapport sur les changements climatiques.  
EV ON PR SC

### Rapport présenté au Ministre du travail par la Commission de l'équité salariale de l'Ontario portant sur les secteurs de l'économie à prédominance féminine comme l'exige l'alinéa 33(2)(e) de la Loi sur l'équité salariale

Toronto : Commission de l'équité salariale de l'Ontario, 1989. 182 p.  
MICROLOG 90-04281 2 fiche

Ce document présente l'objet de l'étude, les recherches et conclusions, les solutions possibles et les recommandations. Il examine particulièrement l'étendue du problème; les politiques pertinentes dans d'autres instances; la recherche qualitative; la recherche quantitative, les critères d'évaluation des solutions; le secteur parapublic et privé; et, les autres initiatives.  
LA ON PR SA

### Rapport présenté au Parlement pour l'année 1988 : sécurité des véhicules commerciaux au Canada

Canada. Direction des transporteurs routiers. Ottawa : la Direction, 1989. 57, 52 p. : ill. *Bilingue* (Report to Parliament...) CSI 21123.008  
MICROLOG 90-03171 2 fiche

Présente le rapport sur la sécurité des véhicules commerciaux au Canada pour l'année 1988. Le document porte principalement sur la portée et les objectifs du rapport; les progrès dans le domaine de la sécurité en 1988, et les tendances des accidents routiers mettant en



cause des véhicules commerciaux.  
CA SC TR

**Rapport présenté, aux termes de l'article 54, au Soliciteur général du Canada sur l'usage par le SCRS de ses pouvoirs d'enquête en ce qui concerne le mouvement ouvrier**

Comité de surveillance des activités de renseignement de sécurité. Ottawa. le Comité, 1988. 18, 18 p. *Bilingue (Section 54 report to...)*. MICROLOG 90-03327 1 fiche

Ce rapport est la synthèse des enquêtes menées par l'inspecteur général du Service canadien du renseignement de sécurité (SCRS) et le Comité de surveillance des activités de renseignement de sécurité (CSARS). Il renferme des informations dont le solliciteur général dispose déjà pour une bonne part, ayant reçu le rapport de l'inspecteur général à ce sujet. Il examine particulièrement les activités de Marc André Boivin; les enquêtes au sein du mouvement ouvrier et la conservation de dossiers constitués sur des syndicats; et les conclusions et les mesures correctives.

• CA LA

**Rapport quinquennal sur l'application de la Loi sur les assurances : mutations**

Québec : Gouvernement du Québec, Ministre délégué aux finances, 1990. 61 p. ISBN 2-550-20940-0. MICROLOG 90-07324 1 fiche

La législation québécoise régissant les activités du secteur des assurances a continuellement fait l'objet de modifications depuis le début des années 80, dans le but de l'adapter à la réalité d'un secteur financier québécois en évolution. Ce document propose des modifications à la Loi sur les assurances en fonction de ces trois mêmes objectifs. Dans cette perspective, le rapport examine les points suivants: l'établissement d'une approche plus formelle en matière de capitalisation; une redéfinition des politiques de propriété; une modernisation de l'encadrement corporatif; et une modernisation du cadre de surveillance.

CO PR QU

**Rapport sommaire sur la délimitation des circonscriptions électorales**

Québec : Commission de la représentation électorale du Québec, 1989. 26 p. : carte géogr. *L'éd. anglaise (Summary report concerning...) sur la même fiche. Carte géogr. planche non filmée.* ISBN 2-550-20372-0. MICROLOG 90-04800 1 fiche

Rapport traitant d'abord des critères juridiques devant servir à délimiter les circonscriptions électorales avant d'examiner le contexte démographique et la répartition géographique des électeurs. On y indique par la suite si une nouvelle délimitation des circonscriptions électorales apparaît nécessaire pour assurer le respect des critères établis par la Loi électorale.

PA PR QU

**Rapport statistique sur les médias québécois, 1989**

Québec : Gouvernement du Québec, Ministère des communications, Direction générale des médias, 1989. vii, 118 p. : ill. Bibliogr. *CSI 67201 002.* ISBN 2-550-20018-7. MICROLOG 90-02765 2 fiche

Ce document présente un rapport élaboré à partir du contenu de ses quatre banques de données: presse écrite, radio, télévision et câblodistribution. Le premier chapitre contient des comparaisons inter-sectorielles, alors que les quatre autres chapitres concernent un des secteurs mentionnés ci-haut. Les cinq thèmes suivants sont développés dans chacune d'eux

la description, la propriété, le contenu, la pénétration-consumation et l'économie.  
PR QU SC TE

**Rapport statistique sur les travaux et les dépenses des commissions parlementaires pour l'année financière, 1988-89**

Québec : Assemblée nationale, Secrétariat des commissions, 1989. xi, 154 p. : ill. *CSI 65101 200.* ISBN 2-550-19794-1. MICROLOG 90-01058 2 fiche

Ce rapport statistique a pour objet de dresser un tableau global des activités des commissions afin, d'une part, de mieux faire connaître le travail effectué par les députés qui sont membres des huit Commissions parlementaires permanentes et, d'autre part, de fournir aux divers intervenants des données utiles à la planification et à l'organisation des travaux des commissions parlementaires. Le rapport se penche particulièrement sur: les données générales sur les séances des Commissions; les mandats et les activités des Commissions; le fonctionnement général et les autres activités des Commissions; et l'état des dépenses effectuées par les Commissions pour l'année financière 1988-1989.

PA PR QU ST

**Rapport statistique sur les travaux et les dépenses des commissions parlementaires pour l'année financière, 1989-90**

Québec : Assemblée nationale, Secrétariat des commissions, 1990. x, 150 p. : ill. *CSI 65101 003.* ISBN 2-550-20886-2. MICROLOG 90-07280 2 fiche

Ce rapport statistique a pour objet de dresser un tableau global des activités des commissions afin de mieux faire connaître le travail effectué par les députés qui sont membres des 8 commissions parlementaires permanentes et de fournir aux divers intervenants des données utiles à la planification et à l'organisation des travaux des commissions parlementaires. Fournit des informations sur le déroulement des séances des commissions, sur leur mandat, ainsi que sur leurs activités. Inclut aussi l'état des dépenses effectuées par les commissions parlementaires.

PA PR QU ST

**Rapport statistique, 1986**

Ottawa : Environnement Canada, Parcs, Région du Québec, 1987. viii, 88 p. : ill., cartes géogr. *CSI 21146 001.* MICROLOG 90-05762 2 fiche

Cette publication offre une foule d'informations sur la fréquentation des huit dernières années de chacun des parcs naturels et historiques ainsi que des canaux. De plus, elle apporte des renseignements sur l'utilisation par les visiteurs des services d'accueil et d'interprétation et de certaines activités sportives comme le camping, la pêche et le ski de fond. Afin de bien interpréter les informations de ce rapport, une section Définitions et méthodologie, traite des fondements statistiques et de la cueillette des données. Enfin, puisque cette publication traite de la fréquentation et de l'utilisation des activités et installations de chaque parc, on a inclut une courte description de sa localisation, de son histoire, de sa thématique ainsi que de ses aménagements et services.

CA CU QU ST

**Rapport statistique, 1988**

Ottawa : Service canadien des parcs, Région du Québec, 1989. viii, 88 p. : ill. *CSI 21146 001.* MICROLOG 90-00310 2 fiche

Cette publication offre une foule d'informations sur la fréquentation des huit dernières années de chacun des parcs naturels et historiques

ainsi que des canaux. De plus, elle apporte des renseignements sur l'utilisation par les visiteurs des services d'accueil et d'interprétation et de certaines activités sportives comme le camping, la pêche et le ski de fond, que ces services soient prodigués par les employés du Service canadien des parcs, par des étudiants engagés sur des programmes spéciaux ou encore par des sociétés coopératives.

CU PR QU ST

**Rapport sur l'Accord constitutionnel de 1987**

Groupe de travail manitobain sur l'Accord du lac Meech. Winnipeg : le Groupe, 1989. 112 p. *L'éd. anglaise (Report on the 1987...)* : 90-00681/2. MICROLOG 90-00684 2 fiche

Ce document présente les conclusions d'un Groupe de travail qui a pour tâche d'entendre et d'étudier les divers points de vue des habitants de la province sur l'Accord du lac Meech. Après avoir tenu de nombreuses audiences publiques, examiné les mémoires et délibéré avec soin, le Groupe de travail présente dans ce document les résultats contenant neuf recommandations dont six exigent l'appout d'amendements à l'Accord du lac Meech. Parmi les sujets traités, on peut retrouver: l'Accord constitutionnel de 1987, la clause Canada, la clause de protection des droits, le Sénat, l'immigration, la Cour suprême, le pouvoir de dépenser, la formule de modification, les conférences constitutionnelles et le processus constitutionnel.

MS PA PR

**Rapport sur l'enquête spéciale portant sur les services de la circulation aérienne au Canada**

Ottawa : Bureau canadien de la sécurité aérienne, 1990. iv, 61 p. *L'éd. anglaise (Report on: air traffic...)* : 90-03546/1. ISBN 0-662-17693-6. MICROLOG 90-04030 1 fiche

Le rapport comprend 48 recommandations sur la sécurité aérienne qui visent à améliorer le niveau de sécurité actuel pour fournir des services de contrôle de la circulation aérienne au Canada. Dans de nombreux cas, des mesures correctives appropriées ont déjà été entreprises par le ministère des Transports. Le rapport se penche particulièrement sur le matériel, la supervision, les procédures d'exploitation; les facteurs de performance humaine, la communication de l'information, et la gestion.

CA PS SC TR

**Rapport sur l'état de l'environnement : cadres organisationnels et spatiaux**

par G. Sheehy. Ottawa : Service canadien de la faune, Direction de l'état de l'environnement, Division des stratégies et méthodes scientifiques, 1989. vi, 39 p. Bibliogr. *L'éd. anglaise (Organizational and spatial...) sur la même fiche.* ISBN 0-662-16865-8. MICROLOG 90-03097 1 fiche

Ce rapport vise à fournir des évaluations des conditions et tendances environnementales au Canada. Il décrit plusieurs cadres spatiaux et organisationnels utilisés par diverses organisations internationales et d'autres pays dans les REE. Il est particulièrement utile à toutes les personnes qui doivent rédiger des REE, et à tous ceux qui désirent établir une référence spatiale pour des bases de données sur les REE.

• CA EV SC

**Rapport sur l'examen de l'intégration scolaire**

Nouveau-Brunswick. Assemblée législative. Comité spécial chargé d'élaboration de la



politique sociale. Fredericton : l'Assemblée législative, 1990. 92 p. L'éd. anglaise (*Final report on...*) : 90-04107/1  
MICROLOG 90-04106 2 fiche

Ce rapport couvre les travaux du comité relativement aux documents 'Rapport du Comité d'étude de l'intégration : Groupe de travail anglophone' et 'Rapport du Comité consultatif sur l'intégration scolaire', tous deux déposés à la Chambre le 11 mai 1989 et renvoyés au comité le 18 mai 1989 par l'Assemblée législative du Nouveau-Brunswick. Il donne des renseignements sur les points suivants. L'histoire de l'intégration au Nouveau-Brunswick; les travaux du comité, le principe de l'intégration; la gamme des particularités; le dépistage et l'évaluation initiale; les plans éducatifs individualisés (PEI); les options relatives au placement des élèves exceptionnels; les ressources humaines; le financement, et la qualité de l'éducation.  
AP ED PR

### Rapport sur la mise en oeuvre de la Loi sur la fonction publique

Québec (Province). Conseil du trésor. Secrétariat. Québec : le Conseil, 1988. 60 p. Bibliogr. ISBN 2-550-19275-3  
MICROLOG 90-01016 1 fiche

Ce rapport permet de situer la réforme de 1983 dans le prolongement des principaux changements législatifs et administratifs qui ont marqué l'évolution de la fonction publique depuis 1943. De plus, il décrit des problèmes découlant du régime de gestion issu des lois antérieures et d'une présentation des avenues de solution tracées par la nouvelle loi, démontre les réalisations des principaux intervenants visés par l'implantation et l'application de la loi, analyse ces réalisations, de façon à faire ressortir les progrès réalisés et à indiquer ceux qui restent à accomplir, et fait le point sur l'état de la situation ayant trait à la mise en oeuvre de la loi depuis son adoption.  
PA PR QU

### Rapport sur la revue en profondeur de régions économiques de l'assurance-chômage, 1989

Ottawa : Emploi et immigration Canada, 1989. 24, 23 p. : cartes géogr. Bilingue (*Report of the comprehensive review...*)  
MICROLOG 90-00761 1 fiche

Le document énonce les résultats de cette revue ainsi que les considérations sur lesquelles est fondée la décision de modifier la configuration actuelle des régions économiques de l'Assurance-chômage. La section I indique pour quelles raisons il faut différencier les régions, caractéristique importante du Régime d'assurance-chômage depuis 1971, et pourquoi ces régions doivent changer. Elle décrit aussi, brièvement, l'évolution du principe de la différenciation au fil des changements apportés successivement au Régime. La section II résume la méthode utilisée pour modifier la configuration des régions économiques. Enfin, la section III présente la politique découlant de l'étude poussée menée par Emploi et Immigration Canada. Finalement, l'annexe I met en parallèle l'ancienne et la nouvelle configuration, comparant le nombre de régions par province. L'annexe II présente les régions urbaines de la nouvelle série. L'annexe III contient les cartes des nouvelles régions.  
CA LA SA

### Rapport sur la situation du caribou des Grands-Jardins

par A. Gaudreault et C. Fortin. Québec : Gouvernement du Québec, Ministère du loisir, de la chasse et de la pêche, Direction régionale de Québec, 1988. viii, 42 p. : ill., cartes géogr. Bibliogr. En tête du titre. Synthèse. ISBN 2-550-18659-1  
MICROLOG 90-01669 1 fiche

Au début du siècle, la taille du troupeau de caribous de Grands-Jardins était estimée à 10 000. Peu de temps après s'est effectuée la disparition du caribou dans ce secteur soit entre les années 1920 et 1925. Ce document s'insère dans un des volets de la problématique, à savoir, produire un document synthèse faisant le point sur l'état de cette population animale. De façon plus spécifique, les objectifs du rapport sont, analyser les résultats des études antérieures; délimiter l'aire de répartition du troupeau en toutes saisons; porter un jugement sur l'état de la population du caribou des Grands-Jardins; et, rendre disponible l'information sur la biologie et l'écologie du caribou des Grands-Jardins.  
AG LS PR QU SC

### Rapport sur la tarification en assurance automobile, 1988

Québec (Province). Inspecteur général des institutions financières. Québec : l'Inspecteur, 1989. 114 p. : ill. CSI 66101.003. ISSN 0837-7006 ISBN 2-550-19459-4  
MICROLOG 90-01049 2 fiche

L'inspecteur général des institutions financières doit analyser les tarifs et les données statistiques d'expérience des assureurs qui pratiquent l'assurance automobile au Québec, et produire chaque année un rapport sur les résultats de cette analyse. Le rapport expose donc les grandes lignes et les conclusions de l'analyse de la tarification pratiquée en 1988 par les assureurs oeuvrant dans le marché privé de l'assurance automobile au Québec. Plus précisément, on y donne un aperçu de l'offre d'assurance, du contexte légal de l'assurance automobile ainsi que de l'importance des divers intervenants; on traite ensuite de la rentabilité de l'assurance automobile au Québec en 1988; et on analyse le fondement de la tarification des voitures de tourisme, en passant par les perspectives de l'évolution des coûts en regard des primes exigées par les assureurs.  
CO PR QU ST

### Rapport sur la tarification en assurance automobile, 1989

Québec (Province). Inspecteur général des institutions financières. Québec : l'Inspecteur, 1990. 139 p. : ill. CSI 66101.003. ISSN 0837-7006 ISBN 2-550-20561-8  
MICROLOG 90-05274 2 fiche

Ce rapport analyse les tarifs et les données statistiques d'expérience des assureurs automobile au Québec. On y traite de l'offre d'assurance, de la rentabilité financière prévue de l'assurance automobile en 1989, des critères de classification utilisés par les assureurs, des catégories de véhicules autres que les voitures de tourisme et des perspectives quant à l'évolution des coûts en regard des primes exigées.  
CO PR QU ST TR

### Rapport sur le projet-pilote de l'autocar accessible de roadcruiser réalisé à Terre-Neuve

par F. Kennedy. Ottawa : Transports Canada, 1988. vi, 125 p. L'éd. anglaise (*Report on the roadcruiser...*) : 90-04073/2  
MICROLOG 90-04074 2 fiche

Ce rapport fait une analyse détaillée ainsi que l'examen des résultats d'un projet pilote de démonstration entrepris par Transports Canada afin de mettre au point une technologie d'autocar qui permettrait d'offrir un service d'autocar accessible à Terre-Neuve. Le résultat, un prototype d'autocar accessible, est unique au monde: il est équipé d'un montre-charge intégré à la structure de l'autocar et contrôlé manuellement par un micro-ordinateur électronique. Le rapport traite de questions majeures telles que la fiabilité de la technologie, la répercussion auprès des usagers, le niveau de service offert et les effets de la mise en service d'un autocar accessible sur l'horaire régulier.  
AP CA PS SA SC TR

### Rapport sur les fouilles archéologiques effectuées durant la saison 1984 au bureau de douane dans les lieux historiques nationaux du Klondike, Dawson, Yukon

par T.M. Naughten. Ottawa : Environnement Canada, Service canadien des parcs, 1990. 18 p. : ill. Bibliogr. (Bulletin de recherches ; no 279) L'éd. anglaise (*A Report on the 1984*...) sur la même fiche. ISSN 0228-1236  
MICROLOG 90-04608 1 fiche

Le rapport présente l'histoire, l'emplacement du bureau de douane à Dawson, les fouilles archéologiques, la stratigraphie, les vestiges, la carte des fouilles, le plan du vieux trottoir de bois, et une vue générale des fouilles du côté nord.  
CA CU NO

### Rapport sur les observations du public relativement au projet de règlement sur les incinérateurs des immeubles d'habitation

Toronto : Ministère de l'environnement, 1988. 23, 18 p. Bilingue (*Report on public response...*). ISBN 0-7729-3887-3  
MICROLOG 90-01246 1 fiche

Les plaintes du public et les analyses du Ministère ont permis d'établir qu'environ 1 200 incinérateurs d'immeubles d'habitation en Ontario sont inadmissibles sur le plan environnemental. Ainsi, le ministre de l'Environnement a proposé l'adoption d'un règlement interdisant leur usage. En septembre 1987, le Ministère a invité le public à lui faire parvenir ses observations sur le projet de règlement. Ce document présente donc les résultats de ces observations.  
EV ON PR SC

### Rapport sur les pertes dues à l'incendie de biens immobiliers de l'administration fédérale, 1986

Canada. Commissariat fédéral des incendies. Ottawa : Travail Canada, 1987. xii, 30, x, 30 p. : ill. Bilingue (*Report of fire losses...*) CSI 22165.003  
MICROLOG 90-00291 1 fiche

Ce document se penche sur les points suivants: les pertes de vies lors des incendies, le nombre de blessures au cours des trois dernières années, le taux d'incendie et les pertes matérielles au cours des incendies.  
CA PW ST

### Rapport sur les pertes dues à l'incendie de biens immobiliers de l'administration fédérale, 1987

Canada. Commissariat fédéral des incendies. Ottawa : Travail Canada, 1987. x, 28, x, 28 p. : ill. Bilingue (*Report of fire losses...*). CSI 22165.003. ISBN 0-662-56456-1  
MICROLOG 90-00877 1 fiche

Le rapport fournit des renseignements sur les pertes attribuables aux incendies, y compris les pertes de vie, les blessures et les pertes matérielles, qui ont été signalées par les ministères et organismes inscrits aux annexes A et B de la Loi sur l'administration financière et les autres secteurs de l'administration publique fédérale désignés comme tels aux fins de la Loi, ainsi que par les ministères et autres secteurs de l'administration publique fédérale inscrits à la Partie 1 de l'Annexe 1 de la Loi sur les relations de travail dans la fonction publique.  
CA PW ST

### Rapport sur les processus naturels et les activités humaines et leurs effets sur l'environnement du fleuve Saint-Laurent

Ottawa : Service canadien de la faune, Direction



de l'état de l'environnement, Stratégies et méthodes scientifiques, 1989. 35 p. Bibliogr. (Rapport technique ; no 13)  
MICROLOG 90-06281 1 fiche

L'objectif principal de ce rapport est de renseigner sur les problèmes environnementaux ingérents au fleuve et d'établir l'état des connaissances sur les interrelations entre les activités humaines et l'état de l'environnement. A partir d'une synthèse bibliographique, le rapport permet de mettre en relief les interrelations qui existent entre les processus naturels, les formes de développement, les activités humaines et les réponses connues du milieu fluvial aux différentes formes de stress auquel il est soumis. Ces interrelations sont illustrées au moyen d'exemples mettant en jeu différentes espèces du milieu aquatique.  
● CA EV QU SC

### Rapport triennal sur les effets de la Loi sur l'abolition de la retraite obligatoire

Québec : Ministère de la main-d'oeuvre et de la sécurité du revenu, 1989. 29 p. : ill. CSI 66113.204.  
MICROLOG 90-01397 1 fiche

La loi renferme principalement deux types de dispositions. Un premier groupe consacre le droit des personnes salariées à demeurer au travail après l'âge normal de la retraite. Une deuxième série d'articles précise les modalités d'ajustement des régimes de retraite. Ce rapport décrit le contenu de la loi; présente les objectifs visés par la loi et les effets escomptés lors de son adoption; et fournit les éléments de réponse dont on dispose par une analyse des effets les plus mesurables de la loi.  
PA PR QU SA ST

### Rapports de faits aéronautiques, numéro 9

Bureau canadien d'enquête sur les accidents de transports et de sécurité des transports. Ottawa : le Bureau, 1990. vii, 256 p. L'éd. anglaise (Aviation occurrence...9) : 90-07042/3. CSI 22219.003F  
MICROLOG 90-07041 3 fiche

Ces rapports renferment les rapports d'enquêtes du BSCA, les conclusions qui en ont été tirées, les recommandations adoptées et les comptes rendus factuels d'un fait aéronautique. Le seul but de cette publication est de fournir des renseignements pouvant contribuer à la promotion de la sécurité aérienne. Elle renferme des rapports de faits aéronautiques survenus au Canada et mettant en cause des aéronauts immatriculés au Canada et à l'étranger et porte principalement sur les aéronauts classiques à voilure fixe, les aéronauts à voilure tournante et les autres types.  
CA SC TR

### Rapports des comités d'études à la Ministre de l'éducation sur l'enseignement de la langue seconde

Fredericton : Ministère de l'éducation, 1989. 16, 27 p. Bilingue (Reports of study committees...)  
MICROLOG 90-00257 1 fiche

Document présentant deux rapports contenant des recommandations visant à l'amélioration de l'enseignement des langues secondes dans le réseau des écoles publiques de la province. Afin d'éclairer ces recommandations, on y aligne un plan d'action sur les principes directeurs de la politique de l'enseignement des langues dans les écoles francophones du Nouveau-Brunswick et on identifie un certain nombre d'éléments à prendre en considération afin d'assurer la mise en oeuvre et l'efficacité du plan d'action. En dernier lieu, le document propose un certain nombre d'actions concrètes qui lui paraissent importantes d'entreprendre afin d'assurer un meilleur apprentissage de

l'Anglais langue seconde.  
AP ED PR

### Rapports du Comité sur le niveau et la structure des prestations de retraite du Régime de pensions du Canada

Conseil consultatif du Régime de pensions du Canada. Comité sur le niveau et la structure des prestations de retraite. Ottawa : le Comité, 1989. 54 p. : ill. L'éd. anglaise (Reports of the Retirement...) : 90-06189/1. MICROLOG 90-06521 1 fiche

Ces rapports examinent la suffisance des dispositions actuelles portant sur les prestations de retraite en vertu du RPC et étudient le besoin et le coût des augmentations possibles des prestations. Pour atteindre ce but, les points suivants y sont couverts: une enquête sur les régimes de pays étrangers; une recherche sur le coût des augmentations possibles des prestations; et, une étude des pourcentages de couverture et des taux de remplacement des programmes déjà établis dans les secteurs public et privé.  
● CA CO PA

### Rapports techniques sur les pommes de terre, 1988

Fredericton : Ministère de l'agriculture, Centre de la pomme de terre, 1988. 109 p. : ill. Bilingue (Technical reports on...). MICROLOG 90-01156 2 fiche

Ce document représente le premier rapport à être publié, qui traite de recherche appliquée, d'enquêtes et de démonstrations concernant strictement la production de la pomme de terre au Nouveau-Brunswick. On y aborde les thèmes suivants: l'effet du type de semence et de l'espacement sur le rendement de certaines pommes de terre de semence désirée; l'effet du taux d'azote et de la date de récolte sur le rendement des cultivars de pomme de terre Shepody; les pratiques agronomiques pour la production de Shepody; la variété Russet Norkotah pour la production de pommes de terre lavées et emballées dans des boîtes de carton; les couvertures flottantes pour la production de pommes de terre de primeur; l'effet de l'espacement et de la non-uniformité du placement de la semence Shepody; le produit Nitrozyme, les vols de pucerons infestant les pommes de terre; les infestations d'insectes dans les champs de pommes de terres en 1988; la présence de pucerons infestant les pommes de terre; la présence de taupins dans les champs de pomme de terre, le contrôle chimique des taupins dans les champs de pommes de terre; les effets des fertilisants organiques sur la production de pommes de terre de semence de variété Shepody; et le développement d'un profil de

### Rapports techniques sur les pommes de terre, 1989 : vol. 2

Fredericton : Ministère de l'agriculture, Centre de la pomme de terre, 1990. 123 p. : ill., cartes géogr. Bilingue (Technical reports on potatoes...). CSI 45101.005. MICROLOG 90-07085 2 fiche

Le rapport est le deuxième à être publié et traite de recherche appliquée d'enquêtes et de démonstrations concernant la production de pomme de terre au Nouveau-Brunswick. Il porte principalement sur des sujets tels: l'évaluation des variétés de pommes de terre prometteuses de différents types; l'étude de l'effet de l'espacement et de la non-uniformité du placement de la semence Shepody, les observations sur l'utilisation d'une butteuse à crochets dans la production de la pomme de terre; et, l'évaluation préliminaire de l'utilisation de tapis anti-érosion lors de la construction de voies d'eaux engazonnées au Nouveau-Brunswick.  
AG AP PR SC

gestion pour les variétés de pommes de terre.  
AG AP PR SC

### Rare-earth picolinate and picolinate-N-oxide complexes

by P.G. Manning. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1985. 7 p. Bibliogr. (Report ; MS 65-107)  
MICROLOG 90-04639 1 fiche

Stepwise stability constants for rare-earth picolinate and rare-earth picolinate-N-oxide complexes were reported in 2 recent publications. The n-dentate characters of the 2 ligands were discussed, but no unequivocal conclusions were drawn. It was shown in earlier publications that the magnitudes of ratios (P) of stepwise stability constants are useful in elucidating the structure of metal complexes. This paper analyses the P values for the picolinate and picolinate-N-oxide systems.  
● CA CM NR PS SC

### Rate compatible punctured codes, their use in military satellite communication systems

by L.C. Wagner. Ottawa : Defence Research Establishment Ottawa, 1989. ix, 25 p. : ill. Bibliogr. (Technical note ; no. 89-19)  
MICROLOG 90-01634 1 fiche

Investigation into the problem of interfacing older military terminal equipments, which work exclusively from an internal timing source, into a communication system that requires all terminals to synchronise to the network clock. A scheme is proposed which would allow a clock discrepancy of up to 4% between the terminal clock and the network clock by adding control bits to the information stream between terminals. The paper describes the methodology used to select an optimal rate compatible punctured code and presents some examples. The probability of error for a selected code is compared with that of a convolutional code for an application typical of a satellite communication system.  
CA EX PS SC TE

### Rationale for including metabolites in chemical toxicity bioassay

by D. Liu...et al. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 17 p. : ill. (NWRI contribution ; 89-159)  
MICROLOG 90-02442 1 fiche

Dinitrotoluene (DNT) is an important industrial chemical, with over 600,000,000 pounds being used in 1980 for the production of polyurethane foams and elastomers. Interest in the toxicology of DNT has been increasing for the last decade, as this chemical has been identified as a potent hepatocarcinogen in rats. However, a discrepancy has been observed between the in vitro and in vivo toxicity results for 2,4-DNT. In this study, 2,4-DNT was used as a model toxicant to demonstrate that the inclusion of some known metabolites or biotransformation products in the short-term bioassay procedures may help toxicity data interpretation, thus extending the usefulness of these tests in impact assessment of contaminants on the environment.  
CA EV SC

### Rationale for the selection of technologies for treatment and disposal of special wastes in Ontario

status report to the Ontario Waste Management Corporation. Toronto Arthur D. Little, Inc., 1985. i, 29 p. Bibliogr.  
MICROLOG 90-01895 1 fiche

The Ontario Waste Management Corporation (OWMC) issued a status report on the conceptual engineering design of a system for treatment and disposal of liquid industrial waste and special waste in Ontario. The key



components currently under consideration are a rotary kiln incineration plant, a physical/chemical treatment plant, a solidification plant, and a secure engineered landfill. In August 1984, the OWMC began a process to identify and evaluate the full range of alternative treatment/disposal options available for each system concept. This report discusses those alternatives, the process used for evaluating alternatives, and the results of that evaluation. The alternatives selected for evaluation were derived from published literature, telephone interviews with users and vendors of technologies, and visits to operating special waste treatment and disposal facilities in the U.S. and abroad over the past decade. Experimental and unproven technologies were reviewed but disregarded in the process selection because OWMC has elected to use only demonstrated processes.  
CI EV ON PR PW SC

#### **RATP : a new formalism in the unification grammar family**

by M. Dymetman. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1987. 46 p. : ill. Bibliogr. French ed. (RATP : un nouveau formalisme...) : 90-04195/1.  
MICROLOG 90-04207 1 fiche

RATP is a grammar writing language which, within the class of unification grammars, resembles the PATR formalism, but introduces certain innovations (general predicates on structures). RATP grammar is made up of augmented context-free grammar rules and predicate definitions, in the form of a particular type of Horn clauses. This report identifies RATP and its place in the context of programming languages; describes RATP formalism, explaining the grammar, and differentiates between Directed Acyclic Graphs (DAGS) and terms and their implementation. The appendix presents a more complex RATP grammar.  
CA PS SC

#### **RATP : un nouveau formalisme de la famille des grammaires d'unification**

par M. Dymetman. Laval, Quebec : Ministère des communications. Centre canadien de recherche sur l'informatisation du travail, 1987. 51 p. : ill. Bibliogr. L'éd anglaise (RATP : a new formalism...) : 90-04207/1.  
MICROLOG 90-04195 1 fiche

RATP est un formalisme d'écriture de Grammaires d'Unification intégrant de façon naturelle une composante qui lui donne la puissance d'un langage de programmation général. Cette composante 'langage de programmation' a une structure analogue à un ensemble de clauses de Horn en Prolog pur, à cette différence près que ce sont des Dags au lieu de termes qui jouent le rôle de structures de données de base. Ce document se penche sur la question et en fournit les points saillants  
CA PS SC

#### **Raw materials for fish feed**

by O.A. Pederson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 9 p. (Canadian translation of fisheries and aquatic sciences, no. 5346) Originally published in Norwegian, by the Institute of Fishery Technology Research, in Norway ISSN 0704-3716  
MICROLOG 90-01480 1 fiche

The Herring Fishery Marketing Association (FFS) provides raw materials for all types of fish feed. This paper discusses some of the more important aspects of the various raw materials used in dry feed, soft pellets, mixed feed and silage, including vitamins, proteins and amino acids, fats and fatty acids, and minerals and trace elements.  
• CA CF FI SC

#### **Rayonnements à fréquences radioélectriques en milieu de travail**

par D. Charron. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 16 p. Bibliogr. L'éd anglaise (Radiofrequency radiation...) : 90-03619/1. ISBN 0-660-92844-2  
MICROLOG 90-04253 1 fiche

Le secteur des télécommunications, l'industrie et la médecine utilisent de plus en plus les champs électromagnétiques de fréquences radioélectriques, d'où une plus grande nécessité de comprendre les effets connus et possibles sur la santé de l'exposition à ces champs. Cette publication résume brièvement l'état des connaissances actuelles relatives aux effets sur la santé de l'exposition aux champs électromagnétiques de fréquences radioélectriques.  
• CA HE LA SC

#### **A Re-assessment of the elements of an economic strategy for the Province of Alberta, vol. I : conclusions and observations**

prepared by Foster Research and SRI International. Edmonton : The Province, 1980. ix, 154 p. : ill.  
MICROLOG 90-03540 2 fiche

This study identifies the inherent strengths and weaknesses of the Alberta economy, areas in which the economy is vulnerable to external forces; industries with substantial development potential, and the strategic elements that will be of critical importance in determining the future success of the economy.  
AL CO PR

#### **A Re-assessment of the elements of an economic strategy for the Province of Alberta, vol. II : the global economic and political environment and its impact on Alberta, 1980-95**

SRI International. Edmonton : The Province, 1980. v, 78 p.  
MICROLOG 90-03541 2 fiche

The purpose of this report is to describe the major aspects of the global political and economic environment that are expected to occur during the 1980s, with particular focus on those that will impact most significantly on Alberta. It identifies the continuing and emerging forces that are expected to shape economic and political events in the next 15 years, and evaluates and integrates these forces to produce a consistent world overview. Finally, it selects several elements of the world view that appeared to be both highly uncertain and of particular importance to the future of Alberta, and makes alternative assumptions concerning their outcomes so as to explore that range of uncertainty in the external environment to which Alberta will be exposed.  
AL CO PR

#### **A Re-assessment of the elements of an economic strategy for the Province of Alberta, vol. III : the Alberta economy**

Foster Research Limited. Edmonton : The Province, 1980. 2 v. : ill. Contents: Vol. 1 : Part one -- vol. 2 : Part two.  
MICROLOG 90-03542 8 fiche

Identifies the inherent strengths and weaknesses of the Alberta economy; areas in which the economy is vulnerable to external forces; industries with substantial development potential; and the strategic elements that will be of critical importance in determining the future success of the economy.  
AL CO PR

#### **Re-evaluation of the coal resources of western Cape Breton Island**

by P.A. Hacquebard, K.S. Gillis and D.S. Bromley. Halifax : Dept. of Mines and Energy, 1989. v, 47 p. : ill., maps. Bibliogr. (Paper ; 89-3)  
MICROLOG 90-01109 1 fiche

The submarine resources of the Inverness county coalfields have long been a matter of much speculation and it was not until the drilling and seismic work done in the mid and late 1970s that more abundant and reliable data became available. A further update was possible in 1986 when the results of the offshore seismic survey at Port Hood and Inverness were added. This report describes the results from the recent drilling and seismic surveys which were carried out as part of the coal inventory program. The new data complement earlier work in determining structural and coal resource evaluations of the individual coalfields (Port Hood, St. Rose-Chimney Corner, Mabou, Inverness).  
AP NR PR SC

#### **Re-evaluation of the status of the wolverine in Manitoba**

by C.S. Johnson. Winnipeg : Manitoba Natural Resources, Wildlife Branch, Biological Services, 1990. iii, 25 p. : maps. Bibliogr. (Technical report ; no. 90-01)  
MICROLOG 90-05076 1 fiche

The wolverine is considered vulnerable in Canada, with the eastern subpopulation being endangered. In Manitoba, wolverine are also considered rare. Data used to make these conclusions were largely circumstantial. The uncertainty is due to the nature of the species. Large changes in the fur sales distributions of wolverine have been observed since first analysed in 1972. This report reviews the status of wolverine in Manitoba up to 1990 based on fur sales records and other incidental available information.  
EV MS PR SC

#### **Reaching for solutions : a National Strategy Workshop Concerning the Sexual Abuse of Children : four workshop discussion papers**

Ottawa : National Clearinghouse on Family Violence, 1989. 130 p.  
MICROLOG 90-03242 2 fiche

This document consists of four workshop discussion papers all presented at the National Strategy Workshop Concerning the Sexual Abuse of Children. Each paper is a report from smaller workshops that were held in preparation for this conference. This papers discuss legal issues; remote, rural and aboriginal communities; treatment; and primary prevention and public awareness.  
BS CA CI SA

#### **Reaching for solutions : a National Strategy Workshop Concerning the Sexual Abuse of Children : workshop proceedings and summary**

prepared by Rix G. Rogers ; by Lorna Grant. Ottawa : National Clearinghouse on Family Violence, 1989. i, 40 p.  
MICROLOG 90-03241 1 fiche

This report is a summary of three sets of strategy group sessions (thirty-six group discussions) and four thematic issue group discussions on primary prevention, legal response, treatment and support, and native/aboriginal issues.  
BS CA CI SA

#### **Reaching for solutions : the report**

Canada. Special Advisor to the Minister of National Health and Welfare on Child Sexual Abuse. Ottawa : The Advisor, 1990. 190 p. Bibliogr. French ed. (A la recherche de



solutions...) : 90-05903/3. ISBN  
0-662-17895-5  
MICROLOG 90-05745 2 fiche

Includes the personal reflections of the Special Advisor, and discusses the dimensions of child sexual abuse in Canada, public awareness and primary prevention, child sexual abuse and the Justice System, the challenges of healing and treatment, and child sexual abuse in aboriginal communities.  
BS CA CI

#### Reaching for solutions : the summary report

Canada. Special Advisor to the Minister of National Health and Welfare on Child Sexual Abuse. Ottawa : The Advisor, 1990. 59, 65 p. Bilingual (A la recherche de solutions : résumé...). ISBN 0-662-57518-0  
MICROLOG 90-05902 2 fiche

This document includes personal reflections of the special advisor and discusses problems and solutions of child sexual abuse. It also contains recommendations from the special advisor and discusses stages of implementation. The appendix provides information on the United Nations Convention on the Rights of the Child.  
BS CA CI SA

#### The Reaction of asteroids *Asterias amurensis* and *Distolasterias nipon* to homogenates and chemical substances from Far Eastern starfishes

by A.V. Levin, E.V. Levina and V.S. Levin. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 12 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5153) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-00094 1 fiche

Chemical communication is one of the most important mechanisms regulating the intra- and interspecific relations of aquatic organisms, including the widely distributed and numerous asteroids. The interrelations of starfishes is of both scientific and great practical importance, since their study can lead to methods of controlling the behaviour of these predators which do considerable damage to plantations of cultivated molluscs. This paper explains how the two most economically important starfish species of the sublittoral of the Sea of Japan (*Asterias amurensis* and *Distolasterias nipon*) react to homogenates of tissues and chemical substances extracted from the same and some other numerous starfish species. The work was done at the aquarium of the Vityaz experimental base of the Pacific Oceanological Institute of the Far Eastern Scientific Centre of the USSR Academy of Sciences from May-August 1982.  
• CA CF FI LS SC

#### Réactions du Conseil au document de travail : Loi sur le conditionnement des boissons au Nouveau-Brunswick

Nouveau-Brunswick. Conseil de l'environnement. Fredericton : Ministère de l'environnement, 1989. 10 p. L'éd. anglaise (Council's comments on...) sur la même fiche  
MICROLOG 90-01953 1 fiche

La Loi sur le conditionnement des boissons visant à réglementer les déchets. Elle exigeait un remboursement ou une consigne pour les récipients de boissons mais bon nombre de détaillants ont ignoré la loi car ils l'ont jugée non applicable. On examine ici la Loi, et le Conseil donne ses recommandations pour modifier la Loi.  
AP EV PR SC

#### Reactor operating waste disposal program : 1989 progress report

by R. Dayal, H. Johnston and Z. Zhou. Toronto : Ontario Hydro, Research Division, 1989. v, 70 p. : ill. Bibliogr. (Report ; no. 89-226-K)  
MICROLOG 90-03516 1 fiche

Summary of the progress made to date in the reactor operating waste disposal program, which focuses on both the near- and far-field investigations relevant to the long-term isolation of C-14. Near-field investigations involve evaluation of the source term for C-14 and the effectiveness of cement-based backfill materials for radiocarbon attenuation, while far-field investigations focus on the behaviour and transport of C-14 in natural geologic materials. Work is also progressing on evaluation of concrete materials for high integrity containers for the storage/disposal of reactor operating waste. Evaluation of existing geochemical data, derived from low-level waste disposal sites in the U.S., is being conducted to establish the geochemical conditions and processes related to radionuclide mobility at these sites.  
EN EV LS ON PR SC

#### The Rearing of Pacific salmon in the province of Sakhalin

by F.N. Rukhlov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 8 p. (Canadian translation of fisheries and aquatic sciences ; no. 5460) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-00600 1 fiche

The province of Sakhalin is the main region of commercial salmon rearing in the far east of Russia. This paper describes the 17 fish rearing stations of the area.  
• CA CF FI SC

#### Recensement 1891 : comté Restigouche, Nouveau-Brunswick

Société généalogique du Nouveau-Brunswick. Division de Restigouche. Fredericton : Archives provinciales du Nouveau-Brunswick, 1989. 2 v. Contient: Vol. I : *Addington, Colborne, Dalhousie -- vol. II : Durham, Eldon, Index. Bilingue (1891 census...)*. ISBN 1-55048-187-8  
MICROLOG 90-02229 6 fiche

Terminé en 1899, ce document est le cinquième d'une série de recueils regroupant les données du recensement de 1891 du comté de Restigouche. Les données du recensement de 1891 rassemblent tous les noms des membres des familles, leur sexe, leur âge, leur lieu de naissance, leur religion, leur pays d'origine et leur occupation. Les sept paroisses qui existaient alors y figurent par ordre alphabétique.  
AP PA PR

#### Recent advances in chemistry of phytotoxins

by A. Ichihara. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 27 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5386) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-01515 1 fiche

Phytotoxins are poisonous substances produced by plant pathogens that have adverse effects on plants. This paper presents an overview of the metabolic toxins produced by phytopathogenic bacteria and molds and describes the phytotoxins which were handled and the bioorganochemistry of their surroundings.  
• CA CF FI LS SC

#### Recent data on the effects of freeze drying : effects on residues of pesticides and polychlorinated biphenyls

by G. Cerutti. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 6 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5330) Originally published in Italian. ISSN 0704-3716  
MICROLOG 90-02097 1 fiche

Paper discussing recent findings on the use of freeze drying of food for the removal of residues of organic chloride insecticides such as DDT, lindane, endrin, dieldrin, heptachlor, heptachlorepoxide, aldrin and chlordane, as well as residues of polychlorinated biphenyls.  
• CA CF FI SC

#### Recent proposals to reform the Bankruptcy Act : an assessment

by B.-M. Papillon. Ottawa : Economic Council of Canada, 1990. vii, 76 p. Bibliogr. (Discussion paper ; no. 366) ISSN 0225-8013  
MICROLOG 90-03772 1 fiche (Available on fiche only)

This paper represents a critical analysis of recent proposals to reform the Bankruptcy Act. The Bankruptcy Act is identified as a policy for facilitating exchanges and as a framework for economic adjustment, this provides a basis for its initial interpretation. After reviewing the aspects of the Act most affected by recent reform proposals, the paper critically analyzes the aims of the Act and of the reforms, as stated by the legislators. With this purpose in mind, it presents a brief summary of the origins of the present legislation.  
• CA CO JU

#### Recent re-measurement of the neutron and gamma-ray fields at large distances from a prompt critical facility

by T. Cousins...et al. Ottawa : Defence Research Establishment Ottawa, 1990. xiii, 34 p. : ill. Bibliogr. (Report ; no. 1031)  
MICROLOG 90-05918 1 fiche

Over the past few years the neutron (and to a lesser extent gamma-ray) energy spectra at the NATO standard reference point (400 m from the core) at the Aberdeen Pulsed Radiation Facility, Aberdeen Proving Ground, MD, U.S. has been the subject of experimental and theoretical controversy. This report describes the Canadian results of a joint NATO spectroscopic and dosimetric program carried out to end the controversy. Free-field and in-vehicle spectra are given, along with free-field and phantom dosimetric results. As a result of this work, several benchmark results were obtained, and specific recommendations for future research are given.  
CA EX PS SC

#### Le Réchauffement de l'atmosphère : les solutions possibles

par R. Milko. Ottawa Bibliothèque du Parlement, Service de recherche, 1989. 49 p. : ill. Bibliogr. (Etude générale ; BP-221F) L'éd. anglaise (Global warming...) : 90-05369/1. ISBN 0-660-92875-2  
MICROLOG 90-05370 1 fiche

La collectivité scientifique convient dans l'ensemble que la quantité phénoménale de substances polluantes libérées dans l'atmosphère depuis le début de la révolution industrielle amène la température de la Terre à se réchauffer à un rythme sans précédent. Ces changements mettent en danger le bien-être de l'humanité; d'ailleurs, ils ont déjà commencé à faire sentir leurs effets néfastes dans de nombreuses régions. Cette étude porte sur les politiques qui visent à améliorer ce que l'on désigne parfois sous le nom d'effet



de serre.  
CA EV SC

## La Recherche en technologies de radiodiffusion

Ottawa : Communications Canada, 1990. 6, 6 p. : ill. *Bilingue (Broadcast technologies research)* En tête du titre: *Le Programme de recherche du Ministère des communications*. ISBN 0-662-57347-1  
MICROLOG 90-05554 1 fiche

La Direction de la recherche en technologies de radiodiffusion est chargée de la recherche de qui sous-tend l'avancement des techniques canadiennes de radiodiffusion. Ce document porte sur: la mise au point de nouvelles technologies pour les systèmes et les services de radiodiffusion perfectionnés; la détermination de normes en vue de l'intégration de ces nouveaux systèmes aux réseaux mondiaux de radiodiffusion; la collaboration avec les universités et l'industrie; et, la diffusion de ces innovations au sein de l'entreprise canadienne en vue de leur commercialisation.  
CA SC TE

## Recherche et développement : la politique fiscale

par O. Madore. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 13 p. Bibliogr. (Bulletin d'actualité ; 89-F) *L'éd. anglaise (Research and development...)* sur la même fiche. ISBN 0-660-92935-X  
MICROLOG 90-05354 1 fiche

Outre les subventions et contrats qu'il accorde afin d'encourager la recherche-développement (R-D) industrielle, le gouvernement fédéral appuie également la R-D en entreprise par le biais de stimulants fiscaux. Ce document examine les fondements de l'intervention gouvernementale dans ce domaine et présente une perspective historique des stimulants fiscaux à la R-D industrielle. Ensuite, différents commentaires sont soulevés quant aux avantages et aux limites des mesures d'incitation fiscale à la recherche scientifique.  
CA CO PA

## La Recherche forestière au Canada en 1979-80 et 1985-86 -- Rév.

I.C.M. Place. Ottawa : Conseil consultatif de la recherche forestière du Canada, 1988. vii, 96 p. *L'éd. anglaise (Forest research in Canada...)* : 90-02754/2. ISBN 0-662-95593-5  
MICROLOG 90-02753 2 fiche

La forêt demeure l'aspect le plus frappant du relief canadien. Elle s'étend sur près de 5 000 km, de Terre-Neuve à l'île de Vancouver, et couvre une superficie de 4,4 millions de kilomètres carrés. Ce rapport présente les dépenses en matière de recherche par organisme (ministères, secteur privé, universités, etc.). Ensuite, il ventile les mêmes données par domaine de recherche. Les écarts minimes entre ces deux ensembles de données sont dus principalement à la façon dont les chiffres originaux ont été déclarés et à la difficulté de suivre la recherche contractuelle en raison de sa diversité. Finalement, le document résume l'ensemble des dépenses par organisme et par grand domaine.  
FO PR QU SC

## Recherche sur la vérification : programme canadien de recherche sur la vérification

Ottawa : Affaires extérieures Canada, 1990 48 p. : ill. (Brochure sur la vérification ; no 3) *L'éd. anglaise (Verification research...)* sur la même fiche ISSN 0830-9248 ISBN 0-662-94388-0  
MICROLOG 90-04763 2 fiche

Cette publication fait un bref historique du Programme et donne un aperçu de ses objectifs et de quelques-unes de ses activités de recherche. Plus particulièrement, les points étudiés sont: le Canada et la vérification,

l'importance de la vérification; les armes chimiques; la vérification sismique d'une interdiction des essais nucléaires; l'espace extra-atmosphérique; les armes classiques; et la recherche générale sur la vérification.  
CA EX

## Recherche sur les dispositifs et les composants de communications

Ottawa : Communications Canada, 1989. 8, 8 p. : ill. *Bilingue (Communications devices and components...)* En tête du titre: *Le Programme de recherche du Ministère des communications*. ISBN 0-662-57155-X  
MICROLOG 90-05870 1 fiche

La direction générale chargée de la recherche sur les dispositifs et les composants de communications (RDC) s'intéresse à la technologie électronique générale utilisée pour traiter et manipuler les signaux de communications et les systèmes de transmission de l'information. Elle effectue des recherches sur les dispositifs, les composants et les circuits électroniques, les télécommunications optiques et la photonique. Une bonne partie de ses travaux est destinée à répondre aux besoins des autres ministères et organismes fédéraux en matière de télécommunications, de radars et de technologie de l'information. Ce document se penche sur la question et fournit d'importants renseignements.  
CA SC TE

## La Recherche sur les technologies de communications

Ottawa : Communications Canada, 1990. 12, 12 p. : ill. *Bilingue (Communications technologies research)* En tête du titre: *Le Programme de recherche du Ministère des communications*. ISBN 0-662-57348-X  
MICROLOG 90-05578 1 fiche

La Direction de la recherche sur les technologies de communications (DGRC) s'occupe de recherche-développement générique afin de répondre aux besoins à long terme du Canada en matière de systèmes et de services de télécommunications. Ce document se répartit en trois grands secteurs: les technologies évoluées de télécommunications par satellite, les systèmes associés et leurs utilisations; les nouveaux systèmes et les technologies de radio-communications terrestres; et la propagation des ondes radioélectriques.  
CA SC TE

## Recherche-action sur les étudiant(e)s du collégial éprouvant des difficultés majeures de lecture

par R. Houle. Thetford-Mines, Québec : Collège de la région de l'amante, 1989. iv, 233 p. Bibliogr. ISBN 2-920925-11-3  
MICROLOG 90-04966 3 fiche

Ce document présente un projet de recherche-action sur les étudiants éprouvant des difficultés majeures en lecture. Son but est de mieux connaître les difficultés spécifiques de lecture et de trouver des moyens pour les habiliter au processus de lecture. Le rapport est structuré en six portions: la démarche suivie; les bases théoriques de la recherche-action; la recherche-action; les résultats de la recherche-action; la vérification des hypothèses de recherche; et, le programme.  
ED PR QU SA

## La Recherche-développement au Canada

par O. Madore. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 31 p. Bibliogr. (Etude générale ; BP-213F) *L'éd. anglaise (Research and development...)* sur la même fiche ISBN 0-660-92867-1  
MICROLOG 90-05360 1 fiche

Afin de donner une évaluation détaillée, ce document examine l'engagement financier du gouvernement dans ses propres laboratoires (recherche intra-muros) et dans d'autres

secteurs d'exécution de la R-D (recherche extra-muros), soit les industries et les universités. Les activités de R-D de ces deux derniers secteurs sont aussi évaluées de façon à mettre en relief l'incidence des politiques gouvernementales d'innovation. On fait ensuite certains commentaires sur l'intervention du gouvernement fédéral. Finalement, le document donne un aperçu de la situation de la recherche-développement au pays.  
CA PS SC

## Recherches en cours, 1989 : un résumé du programme de recherche, 1988-89 à l'Institut national de recherche sur les eaux

Institut national de recherche sur les eaux (Canada). Burlington, Ont. : Environnement Canada, Conservation et protection, Direction générale des eaux intérieures, Institut national de recherche sur les eaux, 1990. 47 p. : ill., cartes géogr. Bibliogr. *L'éd. anglaise (Current research...)* : 90-03336/1  
CSI 22262.100F. ISBN 0-662-95586-2  
MICROLOG 90-06386 1 fiche

Le programme de recherche a pour but d'étudier l'hypothèse générale que l'état trophique des lacs influence la bioaccumulation, la dégradation et la répartition des contaminants. L'objectif du projet est d'identifier les variables clés qui pourront servir à prévoir la bioaccumulation, la dégradation et la sédimentation des contaminants dans les lacs et d'appliquer ces connaissances aux Grands Lacs. Ce document présente un résumé du programme de recherche 1988-89 à l'Institut national de recherche sur les eaux.  
CA EV NR PS SC

## Recherches en cours, partie C : bouchier canadien

Ottawa : Énergie, mines et ressources Canada, Commission géologique du Canada, 1990. vi, 361 p. : ill., cartes géogr. Bibliogr. (Etude ; 90-1C) *Les rapports sont dans la langue de présentation, français ou anglais (Current research, part C...)*. CSI 22231.006. ISSN 0068-7650 ISBN 0-660-55698-7  
MICROLOG 90-05879 4 fiche

Ce document présente la Partie C de la série de recherches en cours de la Commission géologique paraissant une fois par année; il contient plusieurs rapports dont la portée et la nature s'apparentent à ceux dans les revues scientifiques et autres périodiques. La plupart des articles publiés dans Recherches en cours sont accompagnés d'un résumé et d'une bibliographie.  
CA NR PS SC

## Recherches en cours, partie D : plaines intérieures et région arctique du Canada

Ottawa : Énergie, mines et ressources Canada, Commission géologique du Canada, 1990. vi, 217 p. : ill., cartes géogr. Bibliogr. (Etude ; 90-1D) *Bilingue (Current research, part D...)*. CSI 22231.004. ISSN 0068-7650 ISBN 0-660-55685-5  
MICROLOG 90-05178 3 fiche

Document de la Commission géologique du Canada. Présente la partie D des recherches en cours portant sur les plaines intérieures et la région arctique du Canada. Cette série paraît une fois par année et contient plusieurs rapports dont la portée et la nature sont comparables à ceux qui paraissent dans les revues scientifiques et autres périodiques. La plupart des articles publiés sont accompagnés d'un résumé et d'une bibliographie, ce qui permet de cataloguer et d'indexer ces rapports.  
CA NO NR PS SC

## Recipient study in Nordbotn, Kvaløya, 1983-84 : hydrography and bottom fauna

by E. Oug and B. Holte. Ottawa : National



Research Council, Canada Institute for Scientific and Technical Information, 1986. 37 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5243) Originally published in Norwegian, by Tromsø University at Tromsø, Norway. ISSN 0704-3716  
MICROLOG 90-02856 1 fiche

Nordbotn, situated at Tromsø between Haakoya and Kvaløysletta, is a minor fjord area with a 55 m deep basin and a threshold at 17 m. The present pollution-causing discharges are small, but the area may receive sewage in connection with future development. This study evaluates Nordbotn for use as a recipient for municipal waste water. The study comprised hydrography (temperature, salt content, oxygen) and bottom fauna. Hydrographic measurements were carried out at a station approximately once a month from April 1983-December 1984. The bottom fauna was sampled with a bottom sampler at 3 stations (10 m, 35 m and 55 m) in March 1983.  
● CA CF FI LS SC

#### Reclamation trials on sodic mine spoil at Bow City, Alberta

by S. Fullerton and H.F. Regier. Edmonton : Alberta Environment, Environmental Protection Services, 1987. xi, 69 p. Bibliogr.  
MICROLOG 90-00215 1 fiche

Reclamation trials were set up to assess the ability of various treatments in reducing the effects of high levels of sodium in the spoils, and to establish a permanent and useful vegetative cover. Two separate trials were begun as a split-plot experiment, with one irrigated and the other not. Each trial consisted of 3 replicates of 7 treatments. One half of each plot was fertilized with nitrogen and phosphorus in 1976 and 1978. After plot establishment in the fall of 1976, all plots were irrigated once to promote fall forage establishment. After 1976, the irrigated plots were periodically irrigated over 4 years. The plots were seeded to a forage mixture in 1976 and again in 1977. Three soil samples per plot were taken in 15 cm increments from 0-60 cm in 1978, 1981, and 1984 and were analyzed for pH, electrical conductivity, saturation percentage, calcium, magnesium, sodium, and chloride. Two vegetation samples per plot were taken for yield measurements in 1980, 1981 and 1983.  
AG AL EV PR SC

#### Reclamation, a Global Perspective : proceedings of the conference, vol. 1

compiled by D.G. Walker, C.B. Powler and M.W. Pole. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, 1989. xiv, 420 p. : ill., maps. Bibliogr. (Report ; RRTAC 89-2) Organized by the Canadian Land Reclamation Association and the American Society for Surface Mining and Reclamation.  
MICROLOG 90-03281 5 fiche

Papers from the conference, held to provide government and industry staff with up-to-date technical information to assist in the preparation and review of development and reclamation approvals, and development of guidelines and operating procedures. Volume I includes a global perspective on reclamation, northern and high altitude reclamation, fish and wildlife and rangeland reclamation, water, herbaceous revegetation, woody plant revegetation and succession, and industrial and urban sites.  
● AL CA EV PS SC

#### Reclamation, a Global Perspective : proceedings of the conference, vol. 2

compiled by D.G. Walker, C.B. Powler, and M.W. Pole. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, 1989. xiv, 434 p. : ill., maps.

Bibliogr. (Report ; RRTAC 89-2) Organized by the Canadian Land Reclamation Association and the American Society for Surface Mining and Reclamation.  
MICROLOG 90-03431 5 fiche

Papers from the conference, held to provide government and industry staff with up-to-date technical information to assist in the preparation and review of development and reclamation approvals, and development of guidelines and operating procedures. Vol. II covers problems and solutions in general and for sodic and saline materials, soils and overburden, acid generating materials, and mine tailings.  
AL EV PR PS SC

#### La Récolte de bois sur les terres fédérales, 1986-87

par R.P. Hirvonen et R.A. Woods. Ottawa : Gouvernement du Canada, Service canadien des forêts, Direction générale du développement forestier, 1988. v, 37, v, 33 p. : ill. (Rapport d'information ; DPC-X-24F) Bilingue (Timber harvest on...). CSI 22189.011. ISSN 0705-324X ISBN 0-662-55958-4  
MICROLOG 90-01216 1 fiche

Dans ce document on décrit la récolte de bois sur plusieurs classes de terres fédérales, les territoires du Nord, les réserves indiennes, parcs nationaux, forêts expérimentales, terres du ministère de la Défense nationale et autres organismes. Ensuite, on donne un résumé de la récolte pour l'année et pour les cinq années passées. En conclusion, les impacts économiques de la récolte sont décrit et on donne, en annexe, des tableaux statistiques.  
● CA FO SC ST

#### La Récolte de bois sur les terres fédérales, 1987-88

par R.P. Hirvonen et R.A. Woods. Ottawa : Forêts Canada, Direction générale du développement forestier, 1989. v, 29, v, 29 p. : ill. (Rapport d'information ; DPC-X-27F) Bilingue (Timber harvest on federal...). CSI 22189.011. ISSN 0705-324X ISBN 0-662-56800-1  
MICROLOG 90-05760 1 fiche

En 1940, le Dominion Forest Service (maintenant Forêts Canada) a entrepris de rassembler des données sur la récolte de bois sur les terres fédérales. Depuis, des données ont été compilées par diverses unités de Forêts Canada et conservées dans des dossiers internes. Ce n'est toutefois qu'en 1971-1972 qu'elles ont commencé à être publiées. A partir de 1985-1986, des estimations des recettes tirées des droits du bois sur pied sur les terres fédérales ont été incluses dans les rapports. Ce rapport couvre l'exercice financier allant du 1er avril 1987 au 31 mars 1988. Des comparaisons avec les années antérieures sont également faites.  
● CA FO PW SC ST

#### Recommandations et observations relatives au Rapport sur la sûreté des centrales nucléaires de l'Ontario

Canada. Comité consultatif de la sûreté nucléaire. Ottawa : Commission de contrôle de l'énergie atomique, 1988. iii, 21, iii, 19 p. (Rapport ; INFO-0339) Bilingue (Recommendations and comments on...). MICROLOG 90-05693 1 fiche

Le Comité consultatif de la sûreté nucléaire (CCSN) a examiné le Rapport sur la sûreté des centrales nucléaires de l'Ontario pour lui permettre d'évaluer la pertinence et l'importance des recommandations et observations pour la Commission de contrôle de l'Energie atomique (CCEA). Le présent rapport est structuré de la façon suivante: observations générales; recommandations et observations découlant du rapport; points pertinents de certains autres documents, et, compilation des recommandations du CCSN. Les conclusions du CCSN découlant de cette étude sont incorporées dans 19

recommandations, ainsi que dans plusieurs suggestions et quelques observations particulières.  
CA EN PS SC

#### Recommandations formulées à la suite de l'étude interne des modalités d'application

Nouveau-Brunswick, Commission de l'hygiène et de la sécurité au travail. Fredericton : la Commission, 1990. 7 p. L'éd. anglaise (Recommandations following the internal...) sur la même fiche.  
MICROLOG 90-03331 1 fiche

A l'automne de 1988, une série d'événements concernant l'application de la Loi sur l'hygiène et la sécurité au travail ont suscité de l'intérêt et créé des inquiétudes chez le public. Les syndicats ont exprimé leurs préoccupations au sujet du refus flagrant de respecter les ordres de suspension des travaux; le défaut de poursuivre les contrevenants en vertu de la loi; et l'ingérence ou le retard par rapport à la modalité d'application à la Saint John Foundry. En réponse à ces préoccupations, le ministre du Travail a demandé à la Commission de l'hygiène et de la Sécurité au travail d'effectuer une étude des points soulevés à la suite des événements touchant le cas de la Saint John Foundry. Ce document présente les résultats de cette étude.  
AP LA PR

#### Recommandations pour la qualité de l'eau au Canada : mise à jour, mars 1990 : annexe VI

Groupe de travail sur les recommandations pour la qualité des eaux (Canada). Ottawa : Direction générale des eaux intérieures, Direction de la qualité des eaux, 1990. 67 p. Bibliogr. Bilingue (Canadian water quality...VI). MICROLOG 90-05219 1 fiche

Les recommandations pour la qualité des eaux sont utilisées par les organismes des provinces et des territoires canadiens et du gouvernement fédéral pour évaluer les problèmes de qualité des eaux et pour gérer les diverses utilisations des ressources en eau. Reconnaissant que les recommandations pour la qualité des eaux prennent de plus en plus d'importance dans ce processus, le Conseil canadien des ministres des ressources et de l'environnement a chargé son Groupe de travail sur les recommandations pour la qualité des eaux d'élaborer des recommandations applicables aux conditions canadiennes. Ce document en présente les points importants.  
● CA EV NR SC

#### Recommandations pour la qualité de l'eau au Canada : mise à jour, septembre 1989 : annexe V

Groupe de travail sur les recommandations pour la qualité des eaux (Canada). Ottawa : Direction générale des eaux intérieures, Direction de la qualité des eaux, 1989. 64 p. Bibliogr. Bilingue (Canadian water quality...V). MICROLOG 90-05173 1 fiche

Les recommandations et les objectifs relatifs à la qualité des eaux sont utilisés par les organismes des provinces et des territoires canadiens et du gouvernement fédéral pour évaluer les problèmes de qualité des eaux et pour gérer les diverses utilisations des ressources en eau. Reconnaissant que les recommandations relatives à la qualité des eaux prennent de plus en plus d'importance dans ce processus, le Conseil canadien des ministres des ressources et de l'environnement a chargé son Groupe de travail sur les recommandations pour la qualité des eaux d'élaborer des recommandations applicables aux conditions canadiennes. Ce document présente une mise à jour des recommandations.  
● CA EV NR SC



**Recommandations pour la qualité de l'eau potable au Canada -- 4e éd.**

Comité consultatif fédéral-provincial de l'hygiène du milieu et du travail (Canada). Sous-comité sur l'eau potable. Ottawa : Santé et bien-être social Canada, 1989. 27 p. L'éd. anglaise (*Guidelines for Canadian drinking...*) sur la même fiche. ISBN 0-660-92667-9  
MICROLOG 90-03927 1 fiche

Ces recommandations ont pour but de formuler des recommandations et fixer des limites concernant les substances et conditions qui influent sur la qualité de l'eau potable. Elles portent particulièrement sur l'explication des termes, les caractéristiques microbiologiques, chimiques et physiques, et la radioactivité.  
CA EV SC

**Recommandations sur la nutrition**

Canada. Santé et bien-être social Canada. Comité de révision scientifique. Ottawa : Santé et bien-être social Canada, 1990. 223 p. Bibliogr. L'éd. anglaise (*Nutrition recommendations*) : 90-03925/3. ISBN 0-660-92814-0  
MICROLOG 90-03926 3 fiche

Les recommandations sur la nutrition pour les Canadiens sont le résultat d'une revue de la littérature sur les besoins en éléments nutritifs et les diverses associations entre la nutrition et la maladie. Ce document sert de guide dans le choix d'un régime alimentaire qui apporte les quantités recommandées de tous les éléments nutritifs essentiels tout en réduisant le risque de maladies chroniques. Bien que les recommandations soient présentées comme des entités individuelles, il est important de mentionner qu'elles ne sont complètement efficaces que lorsqu'elles sont utilisées dans leur ensemble. Il faut également considérer que les recommandations ne sont pas une ordonnance et qu'elles peuvent être satisfaites par plusieurs combinaisons d'aliments disponibles sans avoir recours de façon générale à des suppléments.  
CA HE

**Recommandations sur la nutrition : un appel à l'action**

rapport sommaire du Comité de révision scientifique et du Comité des communications et de la mise en application. Ottawa : les Comités, 1989. 17 p. L'éd. anglaise (*Nutrition recommendations...*) sur la même fiche. ISBN 0-662-95733-4  
MICROLOG 90-04344 1 fiche

Il est admis depuis longtemps que la nutrition joue un rôle clé dans la promotion de la santé et la prévention de la maladie. Ce document est un résumé de la dernière édition des lignes directrices nationales qui, depuis près de 50 ans, ont servi de pierre angulaire pour l'élaboration des politiques et des programmes touchant la nutrition au Canada. Le rapport indique en outre ce qui peut être entrepris dans différents secteurs pour aider les Canadiens à faire des choix d'aliments favorables à leur santé.  
CA HE

**Recommandations sur la qualité de l'eau pour le carbofuran au Canada**

par D.M. Trotter, R.A. Kent et M.P. Wong. Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction de la qualité des eaux, 1989. v. 36 p. Bibliogr. (Série scientifique ; étude no 169) L'éd. anglaise (*Canadian water quality*) : 90-03121/1. ISBN 0-662-95564-1  
MICROLOG 90-02372 1 fiche

On a examiné la documentation relative aux utilisations, au devenir et aux effets du carbofuran sur l'eau naturelle utilisée comme eau potable non traitée, sur la vie aquatique en eau douce, sur l'utilisation de l'eau pour l'agriculture, sur la qualité de l'eau pour les

loisirs et l'esthétique, ainsi que sur les approvisionnements en eau pour l'industrie. Ces renseignements sont résumés dans cette publication. A partir de cette étude, des lignes directrices sur la qualité de l'eau sont recommandées pour la protection d'utilisations particulières de l'eau.  
CA EV NR SC

**Recommandations sur les variétés de pommes de terre et sur la lutte contre les mauvaises herbes et les parasites pour les provinces de l'Atlantique, 1990**

Comité consultatif des pommes de terre (Canada). Fredericton : Comité de coordination des services agricoles des provinces de l'Atlantique, 1990. 16 p. CSI 22391.002. ISSN 0836-947X  
MICROLOG 90-04068 1 fiche

Le document donne également des renseignements sur les points suivants: les variétés de pommes de terre pouvant être homologuées au Canada comme pommes de terre de semence; les spécialistes vulgarisateurs de la pomme de terre; les remarques sur les insecticides; les remarques sur les herbicides; la pulvérisation foliaires de fongicide, le traitement de la semence; et la comptabilité des pesticides.  
• AG AP CA EV SC

**Recommandé code des méthodes et pratiques nautiques, 1985 -- 3e éd.**

Ottawa : Garde côtière canadienne, Direction de la sécurité des navires, Opérations des navires, 1985. 16, 13 p. Bilingue (*Recommended code of nautical...*). ISBN 0-660-53005-8  
MICROLOG 90-04965 1 fiche

Document portant sur les points suivants: les principes fondamentaux à observer lors du quart à la passerelle; la recommandation sur les directives d'exploitation à l'intention des officiers chargés du quart à la passerelle; les principes fondamentaux à observer lors de la veille au port et les prescriptions minimales obligatoires pour la veille au port à bord de navires transportant des marchandises dangereuses; la recommandation sur les principes et directives d'exploitation à l'intention des officiers de pont chargés de la veille au port; et, la recommandation sur les principes fondamentaux et les directives d'exploitation pour la veille radioélectrique de sécurité par les opérateurs radiotéléphonistes.  
CA SC TR

**Recommandations and comments on the Report of the Ontario Nuclear Safety Review**

Canada. Advisory Committee on Nuclear Safety. Ottawa : Atomic Energy Control Board, 1988. iii, 19, iii, 21 p. (Report : INFO-0339) Bilingue (*Recommendations et observations relatives...*).  
MICROLOG 90-05693 1 fiche

The Ontario Nuclear Safety Review (ONSR) was a one-man commission established in December 1986 to conduct a review of the CANDU nuclear generating plants of the provincial utility, Ontario Hydro. The report was submitted in March 1988 and in June 1988 the Advisory committee on Nuclear Safety (ACNS) was requested to review and comment on it. This report consolidates an edited version of the September 1988 review together with additional views derived from a study of all of the reports in the 3 main volumes of the ONSR report. The ACNS conclusions from this study are presented in 19 recommendations, as well as several suggestions and some specific comments, divided into those specifically referring to the Atomic Energy Control Board, those indirectly affecting the Board, the auxiliary documents, the

technical report, and other documents.  
CA EN PS SC

**Recommendations following the internal review of enforcement procedures**

New Brunswick. Occupational Health and Safety Commission. Fredericton : The Commission, 1990. 6 p. French ed. (*Recommendations formulées à la suite...*) on the same fiche.  
MICROLOG 90-03331 1 fiche

In the fall of 1988, a series of events relating to the enforcement of the Occupational Health and Safety Act raised public interest and concern. The labour movement expressed concern over the blatant defiance of Stop Work Orders; a failure to prosecute offenders under the Act; and interference with or delay in the enforcement procedure at the Saint John Foundry. The Occupational Health and Safety Commission was asked to review the issues raised at the St. John Foundry and to identify deficiencies in policies or procedures which hamper enforcement of the Act, and to recommend amendments to the Act or its regulations which would facilitate its enforcement. This report covers the measures taken at the Foundry, as well as the results of the internal review on enforcement, including deadlines, delivery/posting, follow-up, design of report form, chain of command, commission staffing levels, occupational diseases, and appeal procedures.  
AP LA PR

**Recommendations for achievement of the objectives of the Toronto Olympic commitment**

Toronto (Ont.). Committee of Department Heads Olympic Task Force. Toronto : The Task Force, 1990. 137 p.  
MICROLOG 90-02843 2 fiche

This report brings together the numerous recommendations before Executive Committee on January 15, 1990 and the further recommendations in this report respecting each of the Toronto Olympic Commitment objectives in a single section for the convenience of City Council.  
CU MU ON

**Recommendations for action on pollution and education in Toronto : a consultation paper**

prepared for the Pollution and Education Review Group of the Board of Education for the City of Toronto : by Bruce M. Small and Associates Limited. Toronto : The Group, 1985. viii, 354 p. Bibliogr.  
MICROLOG 90-00268 4 fiche

Contains a summary and analysis of the literature on pollution and its effects on education, and discusses how students and staff are exposed to pollution, how pollution can affect education, the importance of pollution compared to other factors, indoor environment problems in Toronto schools, and the effects of outdoor pollution on education in high-pollution areas. It includes a summary of public meetings, and public briefs.  
ED EV MU ON

**Recommendations for prevention of HIV transmission in health-care settings in the province of British Columbia**

Victoria : Ministry of Health, 1989. 35 p. Bibliogr. Cover title: *AIDS precautions for hospitals*. ISBN 0-7726-0978-0  
MICROLOG 90-01757 1 fiche

This document discusses precautions to prevent transmission of HIV, environmental considerations for HIV transmission; hospital administrative issues, testing of patients; testing of health-care workers; children with AIDS, the pre-hospital/emergency medical care setting.



dental care in HIV infection; special care for psychiatric and mentally handicapped patients; HIV antibody testing and counselling; and AIDS reporting.  
BC CI HE PR

### Recommendations of the Committee on the Use of Less Than Lethal Force by Police Officers in British Columbia

Committee on the Use of Less Than Lethal Force by Police Officers in British Columbia. Victoria : British Columbia Police Commission, 1990. 56 p. : ill. Bibliogr.  
MICROLOG 90-06732 1 fiche

Reviews current police practice, options, and resources on hand. It also establishes an overview of less than lethal force weapons and options available to the police in 1989/90, and operational and training requirements for less than lethal force weapons or alternatives. It includes recommendations concerning the need for less than lethal force options.  
BC JU PR

### Recommendations on the Pay Equity Act

Toronto : Association of Municipalities of Ontario, 1987. ii, 24 p. (AMO report : report series 1987 : 87-7)  
MICROLOG 90-00850 1 fiche (Available on fiche only)

Covers the following recommendations: definition of establishment; definition of job class; structuring and staging, pay equity and collective bargaining; allowable exceptions; achievement of pay equity; pay equity plans; and the right to classify jobs. It also provides an overview of Bill 154.  
JU LA MU ON

### Recommended code of nautical procedures and practices, 1985 -- 3d ed.

Ottawa : Canadian Coast Guard, Ship Safety Branch, (Ship Operations, 1985. 13, 16 p. *Bilingual (Recommandé code des méthodes...)*. ISBN 0-660-53005-8  
MICROLOG 90-04965 1 fiche

Regulations and resolutions from the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978. This document covers keeping a navigational watch, operational guidance for officers in charge of a navigational watch; keeping a watch in port and keeping a watch on ships carrying hazardous cargo; operational guidance for deck officers in charge of a watch in port; and basic guidelines and operational guidance relating to safety radio watchkeeping for radiotelephone operators.  
CA SC TR

### Recommended practices for drilling geopressured wells on the Nova Scotian shelf

Calgary, Alta. : Canadian Petroleum Association, 1989. 101 p. : ill., fold. ill.  
MICROLOG 90-04409 2 fiche (Available on fiche only)

During the late 1970s and early 1980s several deep, highly pressured gas reservoirs were discovered during the drilling of exploration wells off the Nova Scotia shelf. Without exception, the drilling of these wells presented extreme technical challenges, both for well design and for equipment specifications. These guidelines represent a consensus of industry opinion on the most prudent approach to designing and drilling Scotian Shelf exploration wells. The guidelines cover offshore well testing, tubular design, well control equipment, well abandonment, geophysical pressure prediction methods, and geopressure detection.  
● AP CA EN SC

### Reconnaissance of M1, M2, and Quilik 1 claims, Chantrey Inlet, NWT : end-of-the-year report

by P. Cerny, M.A. Wise and P. Tomascak. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1989. 16 p. : maps. Bibliogr.  
MICROLOG 90-01963 1 fiche

A reconnaissance study was carried out on the areas staked by Megagem, Inc., as the M1, M2 and Quilik 1 claims, on the eastern shore of Chantrey Inlet, NWT. The study was performed between July 31 and August 19, 1988, with actual time in the field being reduced to 8 days due to bad weather. This report is based on field observations and is restricted to geological observations.  
CA NO NR PS SC

### Reconstruction of the total return of sockeye salmon *Oncorhynchus nerka* to the Skeena River for brood years 1965 to 1982

by M.A. Henderson and R.E. Diewert. Vancouver, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, 1989. iii, 73 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences : no. 2038) ISSN 0706-6473  
MICROLOG 90-02301 1 fiche

It has long been known that sockeye salmon returning to the Skeena River as maturing adults are harvested in numerous fisheries both in B.C. and Alaska. Since 1982, several investigations have been carried out, designed to provide estimates of the proportion of the catch taken in major net fisheries in northern B.C. and southern southeast Alaska that was of Skeena River origin. This study used these estimates of stock composition to reconstruct the total size of the return of sockeye salmon to the Skeena River for brood years from 1965-82. Age structure information was used to apportion the catch and escapement to the appropriate brood year. The proportion of the catch in each of the major interception fisheries from 1982-87 was based on a series of studies using tagging, genetic, scale pattern and parasite markers. Three different procedures were used to estimate stock composition for the years prior to 1982 and for 1988. The total run size estimates from each of the 3 procedures are compared.  
● BC CA CF FI SC

### Records management for the 1990's : a report on the status and future directions for a corporate program : final report

Toronto : Metropolitan Toronto Clerk's Dept., 1989. 57 p.  
MICROLOG 90-03641 1 fiche

The report identifies eight benefits from computer-assisted records management and describes an automation plan for implementing such a system.  
CO MU ON

### Records of federal royal commissions (RG 33), vol. 1 : series 33/1 to 33/75

by J.M. Whalen. Ottawa : National Archives of Canada, Government Archives Division, 1990. xxi, 180, xxiii, 182 p. (General inventory series) *Bilingual (Archives des commissions...)*. ISBN 0-662-57217-3  
MICROLOG 90-07222 5 fiche

This work contains the first 75 entries of the inventory of Record Group 33, and records of federal royal commissions in the custody of the Government Archives Division of the National Archives of Canada. Its purpose is to describe the records of federal commissions of inquiry since Confederation held by the Division.  
CA PA

### The Recovery of spilled heavy oil with skimmers

prepared for Prairie Regional Oil Spill Containment and Recovery Advisory Committee ; by Esso Resources Canada ; by H.M. Brown. Calgary, Alta. : Canadian Petroleum Association, 1988. 11 p. : ill. Bibliogr.  
MICROLOG 90-04399 1 fiche (Available on fiche only)

Experiments were conducted in 1988 in the Esso Resources wave basin to test various suggested methods of containing and recovering spilled heavy oil from water. Oil from the Cold Lake plant was used in these tests. No spill containment and recovery equipment has been specifically designed to combat spills of this oil but equipment used on spills of Bunker C oil or heavily weathered oil may be applicable. One approach is to use nets as containment devices and to remove the oil from the water by some type of skimmer. The most heavily tested skimmer is one developed by British Petroleum, and this design was chosen for tests in the Esso wave basin at low water temperature. It was also suggested that a rope skimmer might work for these oils at low temperatures and this was also tested. This report describes the equipment used and evaluates the two types of skimmers.  
● CA EN EV SC

### Recreation in remote Northern Manitoba communities : summary report

by R. Hart. Winnipeg : Manitoba Culture, Heritage and Recreation, 1989. 71 p. : ill., maps.  
MICROLOG 90-01458 1 fiche

Summarizes a conference held March 2 and 3, 1989 in Thompson. Participants were community leaders: chiefs, mayors, councillors, and recreation professionals and volunteers. The premise of the workshop was that there was a need to have community leaders identify the circumstances and recreational needs existing in their remote community. From this needs identification, strategies were developed to address any problem areas or to meet certain needs in a meaningful way.  
CU MS NP PR

### Recreational Atlantic salmon catch, 1987 and 1988, and annual summaries, 1973-88, for west Newfoundland and south Labrador, Gulf Region

by C.C. Mullins and R.R. Claytor. Moncton, N.B. : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1989. vi, 192 p. : maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences : no. 748) ISSN 0706-6465  
MICROLOG 90-01867 3 fiche

Summary of recreational fishing data collected during 1987 and 1988. Catches are presented by standardized week to make the time periods consistent with those used to describe the commercial fishery, and annual river summaries include only the last 15 years. Weekly catch and effort are summarized by river, statistical section, statistical area, salmon fishing area, and region. Annual summaries are given from 1973-88 in the same categories as the weekly summaries.  
● AP CA CF FI SC

### Recreational boating fatalities in Ontario, 1980-87

Toronto : Ministry of Natural Resources, Office of Recreational Boating, 1989. vi, 84, iv, 80 p. : ill. Bibliogr. *Bilingual (Accidents mortels de navigation...)*. ISBN 0-7729-5446-1  
MICROLOG 90-01861 2 fiche



Analysis of boating fatalities from 1980-87, including the circumstances surrounding the incidents and possible trends. Data were compiled from the files of the Office of the Chief Coroner for Ontario and include police reports, post mortem examinations, medical certificates of death and news clippings. Additional data was acquired from Statistics Canada, which provided information on other accidental deaths. Data was tabulated and examined to determine how, where, why and with whom the fatal boating accidents occurred. The cross tabulations provided a basis for comparing fatalities over time, by boat type and by location. These data were then compared to boating fatalities in other provinces and in various American states, as well as to other types of accidental death. Overall trends were examined and evaluated.  
CU ON PR SC TR

### Recreational fishing : a service industry profile

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. iv, 31 p. Bibliogr. (Economic and commercial analysis report ; no. 35) ISSN 0843-5626 ISBN 0-662-17328-7 MICROLOG 90-00686 1 fiche

Recreational fishing is the most popular outdoor activity in Canada, with anglers generating substantial commercial activity in all regions of Canada. This study provides an understanding of the operational and economic characteristics of both the specialized (outfitters, lodges, etc.) and general (accommodation, sports stores, etc.) commercial services which support recreational fishing. The report deals briefly with the range of recreational fishing conducted across Canada and the geographic pattern of fishing effort and catch, presents information on trends in yields and angler spending per unit of catch; defines the outfitting industry and its activities, including general features, operations, and regional distribution; examines the financial performance and business conditions facing outfitters; and describes the organization pattern and economic structure of the service industries which conduct business with anglers, treating the two major components of the recreational fishing economy separately.  
• CA CF CO CU

### Recreational mail surveys, 1988 : tidal sportfishing diary program and visitors sportfishing survey

by L. Bisterveld. Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1989. vi, 31 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences, no. 2042) CSI 21105.019. ISSN 0706-6473 MICROLOG 90-05396 1 fiche

The tidal sportfishing diary program was initiated in 1979 to obtain estimates of the sport catch by B.C. residents fishing in B.C. tidal waters. The visitors sportfishing survey was first conducted in 1982 to obtain estimates of sport catch and expenditures by visitors fishing in B.C. tidal waters. This report presents 1988-89 results of both these mail surveys.  
BC CA CF FI SC ST

### Un Recueil de programmes efficaces

Toronto : Ministère de l'éducation, 1990. ii, 93 p. Bibliogr. (Maintien des élèves à l'école et leur transition) *Bilingue* (A Selection..) ISSN 0839-5047 ISBN 0-7729-5854-8 MICROLOG 90-06671 2 fiche

Ce second recueil de programmes efficaces présente les programmes qu'ont conçus les conseils scolaires ontariens pour maintenir à l'école les élèves qui risquent de décrocher et pour réintégrer ceux qui ont déjà abandonné leurs études ainsi que pour faciliter la transition des élèves. Ce recueil comprend de plus les

projets pilotes mis en oeuvre en 1988-1989. Il offre en fait un bon aperçu de ce qui se fait dans le domaine en Ontario et à l'extérieur.  
ED ON PR

### Recueil de statistiques forestières canadiennes, 1988

Ottawa : Forêts Canada, Direction générale de l'économie et des statistiques, 1989. xxii, 194 p. : ill. (Rapport d'information ; E-X-41F) *L'éd anglaise* (Selected forestry statistics...) : 90-02044/3. CSI 22189.009F. ISSN 0834-9398 ISBN 0-662-95565-X MICROLOG 90-03352 3 fiche

Ce recueil porte sur les ressources forestières au Canada et sur les activités connexes d'aménagement, la production et les livraisons par secteur de marchandises principales et les données sur l'emploi par secteur industriel ainsi que sur les indices des prix de vente, les statistiques financières et les indicateurs économiques. Quelques données sur le transport, la construction et la foresterie mondiale complètent ce document.  
CA FO SC ST

### Recueil des décisions de la Commission canadienne des transports, 1986

arrêté Joan Archer Cournoyer. Ottawa : la Commission, 1990. xliii, 952 p. *Bilingue* (Canadian Transport Commission...). CSI 22207.008. ISBN 0-660-55752-5 MICROLOG 90-06046 11 fiche

Des témoignages ont été présentés aux audiences publiques par deux témoins d'intérêt public et par deux témoins parlant au nom de TerraTransport. L'un des opposants, soit la Fédération des municipalités de Terre-Neuve et du Labrador, ne s'est pas présenté aux audiences. L'autre opposant, le gouvernement de Terre-Neuve et du Labrador, s'y est présenté, mais il n'a déposé aucune preuve. Ce recueil porte sur cette question et contient les renseignements suivants : la liste des commissaires; la table des décisions, ordonnances et rapports; la table de la jurisprudence citée; la table des décisions et ordonnances citées; la table des lois citées; la table des règlements cités; la table des règles citées; et, la table de la doctrine citée.  
CA SC TR

### Recueil des définitions des lois fédérales -- 2e éd.

par C. Goulet. Ottawa : Bureau des traductions, Direction générale de la terminologie et des services linguistiques, 1989. xxxviii, 981 p. (Bulletin de terminologie ; 153) *Bilingue* (Collection of definitions...). ISBN 0-660-054906-9 MICROLOG 90-01102 11 fiche

Ce document présente la deuxième édition du recueil des définitions des lois fédérales regroupant les définitions citées dans les Lois révisées du Canada (1985) et dans les deux premiers suppléments, ainsi que dans les Statuts du Canada de 1987 et de 1988 sanctionnés au 30 septembre. L'ouvrage compte quelque six mille définitions bilingues, qui ont été relevées non seulement dans les articles de définitions au début des lois, mais également dans le texte même des lois.  
CA JU

### Recueil des procédures relatives à la gestion des demandes d'allocations et d'autorisations provenant des Commissions scolaires, année scolaire 1989-90 : éducation des adultes

Québec : Gouvernement du Québec, Direction générale de l'éducation des adultes, 1989. 29 p. CSI 66109.007. ISBN 2-550-14834-7 MICROLOG 90-04356 1 fiche

Ce recueil a été élaboré par la Direction de la gestion en collaboration avec les responsables de l'éducation des adultes dans les directions régionales. Il fournit des informations sur des sujets constituant des dossiers importants dans l'organisation des activités d'éducation des adultes dans les commissions scolaires, en suivi aux règles budgétaires 1989-90 et à l'instruction 1989-1990; identifie les différentes procédures en vue d'assurer une gestion cohérente et efficace des demandes d'allocations et d'autorisations provenant des commissions scolaires et découlant des règles budgétaires 1989-1990 et de l'instruction 1989-1990; et, fait connaître les échéanciers découlant des processus mis en place afin d'assurer la gestion des demandes d'allocations et d'autorisations.  
ED PR QU

### Recueil des textes des présentations du Colloque sur les méthodes et domaines d'application de la statistique, 1989

Colloque sur les méthodes et domaines d'application de la statistique (1989. Montréal, Québec). Québec : Bureau de la statistique du Québec, 1989. xi, 495 p. : ill. Bibliogr. CSI 67131.017. ISBN 2-551-12348-8 MICROLOG 90-04761 6 fiche

Ce recueil contient les textes des présentations du colloque 'Méthodes et domaines d'application de la statistique 1989' qui s'est tenu à l'Université du Québec à Montréal en mai 1989, dans le cadre du 57e congrès de l'Association canadienne-française pour l'avancement des sciences. Il porte principalement sur les sessions suivantes : la méthodologie d'enquête; l'analyse de données; les applications de la statistique dans le domaine des transports; la confidentialité des données et le couplage de fichiers administratifs; les séries chronologiques; les plans d'expérience; la biostatistique; et la statistique non paramétrique.  
PR PS QU SC

### Recycling : now is the time : background paper

Recycling Action Committee (Manitoba). Winnipeg : Manitoba Environment and Workplace Safety and Health, 1989. 11 p. : ill. MICROLOG 90-00446 1 fiche

The purpose of this paper is to introduce the issues behind the challenge being addressed by the Recycling Action Committee. It identifies areas where there is agreement or disagreement and draws attention to aspects that should be investigated further.  
CI EV MS PR

### Recycling : what you had to say : a summary of your comments at the open houses

Winnipeg : Manitoba Environment and Workplace Safety and Health ; Recycling Action Committee, 1989. 6 p. MICROLOG 90-03425 1 fiche

This report provides a synopsis of comments from approximately 500 citizens who attended the Recycling Action Committee's eight Open Houses and series of mini-presentations. It discusses waste reduction, alternative products, paper and newspapers, soft drink containers, compost, collection, education, markets for recyclables, producer responsibility, fiscal factors, demand for action, and sustainable development.  
CI EV MS PR

### Red River sport fish studies

Fish Futures Inc. S.I. : The Corporation, 1990. 4 p. *Public funding by Manitoba Dept. of Natural Resources* MICROLOG 90-06252 1 fiche



The Red River between Lockport and Lake Winnipeg is less than a one hour drive from the largest population centre in Manitoba, and supports about 9% of the total angling in the province. Fish Futures' first and continuing major project has been to access public and private funding to support studies on the biology and status of fish stocks and angling effort and catch from the lower Red River. This document describes the research being undertaken in fish biology on walleye and channel catfish and in angling, along with studies to be done in the future on the use of the Netley-Libau marshes by spawning channel catfish, walleye spawning in the lower Red River, a continuation of walleye and channel catfish tagging, and a study of factors affecting movement of fish from Lake Winnipeg into the Red River.  
CU MS PR

### The Red-throated Loon as an indicator of environmental quality in the Beaufort Sea region : an interim report

by D.L. Dickson. Edmonton : Environment Canada, Canadian Wildlife Service, 1989. xii, 121 p. : ill., maps. Bibliogr. MICROLOG 90-06368 2 fiche

In view of the vulnerability of birds to offshore oil and gas extraction in the Beaufort Sea, it was decided to monitor the environmental impact of development through observation of the red-throated loon, which occurs in high densities on both Tuktoyaktuk Peninsula and the coastal plain in northern Yukon. Aerial and foot surveys were conducted for abundance of breeding pairs and their breeding success. Study plots were established in 1984 at Atkinson Point and King Point where port development was proposed, at Nuvorak Point where future shoreline development was unlikely (control for impact of shoreline development), at Husky Lakes which would not be affected by oil spills in the Beaufort Sea (control for impact of oil and other pollutants in the Beaufort Sea), and at Toket Point which was relatively inexpensive to access from Tuktoyaktuk and therefore suitable for a more intensive study. This report covers the first 4 years of the predevelopment phase.  
• CA EV NO SC

### Las Redes latinoamericanas de información : observaciones sobre su desarrollo, manejo y utilización

Shahid Akhtar, redactor. Ottawa : Centro internacional de investigaciones para el desarrollo, 1988. xii, 165 p. Bibliogr. (Informe ; 232s) ISSN 0120-1689 MICROLOG 90-03832 2 fiche (Available on fiche only)

Abstract unavailable for this document.  
CA EX TE

### Réduction de la concentration de radon dans les maisons neuves

Ottawa : Société canadienne d'hypothèques et de logement, 1988. iii, 27 p. : ill. (Collection constructeurs) L'éd. anglaise (Radon control in new houses) : 90-01249/1 MICROLOG 90-01250 1 fiche

Le radon est un gaz radioactif issu de la décomposition naturelle de l'uranium dans la croûte terrestre. Ce document se penche sur ce qu'est le radon; pourquoi les constructeurs doivent s'en préoccuper; comment éviter les problèmes dus au radon dans les maisons neuves; quels sont les moyens de l'éliminer dans une maison; la mise en place de mesures de protection pour l'avenir; la mesure des concentrations de radon; et, comment informer davantage le public des problèmes dus au radon.  
CA EV PL SC

### La Réduction des risques de guerre par des mécanismes multilatéraux : résumé des délibérations de conférence

par D. Cox, S. Lee et J. Sutterlin. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1989. 35 p. (Document de travail ; no 18) L'éd. anglaise (The Reduction of the Risk...) : 90-01584/1 ISBN 0-662-95774-1 MICROLOG 90-03233 1 fiche

En octobre 1988, un groupe de spécialistes des Nations-Unies, d'universitaires et de fonctionnaires internationaux se sont réunis, à Kingston, en Ontario, pour envisager dans quelle mesure l'ONU pourrait jouer un plus grand rôle dans la prévention de la guerre. Ce document porte sur les points suivants. L'utilité d'un centre de réduction des risques de guerre aux Nations-Unies; les centres multilatéraux d'alerte nucléaire; le rôle des organismes multilatéraux dans les conflits issus de tensions sociétales; de nouveaux rôles pour les forces de maintien de la paix; et, les conclusions.  
• CA EX

### The Reduction of city bus exhaust emissions by means of a regenerative power train

by A.S. Davies. Ottawa : Transport Canada, 1989. 9 p. : ill. Bibliogr. MICROLOG 90-04790 1 fiche

The Regenerative Power Train (RPT) used in this experiment provides vehicle retardation by use of an hydraulic pump, with energy storage taking place within conventional piston accumulators. The test vehicle was an Orion I, 35-ft transit bus equipped with 39 seats. Tests were conducted in the laboratory using a CBD type driving cycle. The facilities employed included a chassis dynamometer with selectable inertia wheels, and an exhaust analysis system comprising a single (total exhaust) dilution, CVS system, with particulate and gaseous emission measurement capability. Emissions were sampled over a 2-mile run and the cycle average fuel economy was determined by the carbon balance technique, using emission measurements of HC, CO and CO<sub>2</sub>. The bus was tested with the RPT operational, and as a standard vehicle.  
CA EV PS SC TR

### Reduction of frequency of sulphide ore dust explosions by improved blasting practices : research report

by J.P. Saindon...et al. Pointe-Claire, Que. : Centre de technologie Noranda, Environmental and Mining Laboratory, 1990. 92 p. : ill. Bibliogr. CANMET contract: 89227-01-SQ MICROLOG 90-07129 2 fiche

A field study was conducted to reduce the frequency of sulphide dust explosions by improved blasting techniques. The research was separated into 2 phases, with phase 1 consisting of a review of tunnel blasting and preparation of the instrumentation for the field and phase 2 consisting of the field work carried out at Brunswick No. 12 Mine over a 12-week period between August and November 1989. The second phase included monitoring the current blasting practice in particular and investigating the occurrences of misfires and incomplete detonations; evaluating short period delays for their ability to reliably provide full advance for development rounds and their potential in avoiding or minimizing sulphide dust ignitions, and providing an opportunity for testing of new cut design as well as a limited evaluation of alternative explosives  
• AP CA CM NR PS SC

### Reduction of the loading effects of fish farming : a literature review

by E. Parjala. Ottawa : National Research

Council, Canada Institute for Scientific and Technical Information, 1988. 17 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5252) Originally published in Finnish. ISSN 0704-3716 MICROLOG 90-02722 1 fiche

Evaluation through a literature review of the applicability of the different methods for reducing the loading effects of fish farming. Coverage includes sedimentation, filtration, wastewater lagoons, recirculation plants, coagulation, aeration, reduction of the phosphorus load, removal of nitrogen compounds, biomass for nutrient removal, and costs.  
• CA CF FI SC

### Reduction of the pollution effects of a net cage station

by T. Makinen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 4 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5272) Originally published in Finnish. ISSN 0704-3716 MICROLOG 90-02742 1 fiche

Paper describing methods of reducing sludge and dissolved nutrients from fish food in net cages. In addition to the use of better feed, the sludge can be collected in various ways.  
• CA CF EV FI SC

### The Reduction of the Risk of War through Multilateral Means : a summary of conference proceedings

by D. Cox, S. Lee and J. Sutterlin. Ottawa : Canadian Institute for International Peace and Security, 1989. 32 p. (Working paper ; no. 18) French ed (La Réduction des risques...) : 90-03233/1. ISBN 0-662-17177-2 MICROLOG 90-01584 1 fiche

The summary report addresses four main topics: the utility, structure and scope of a multilateral war risk reduction centre, the value, organization and potential problems of a multilateral nuclear alert centre, the multilateral role in conflicts stemming from societal tensions; and innovative approaches in the use of UN peacekeeping.  
CA CI EX

### Reduction of toxic chemicals from Ontario point sources discharging to the Niagara River, 1988 : update report

Ontario, Niagara River Improvement Programme. Toronto : Environment Ontario, 1989. v, 62 p. : ill. MICROLOG 90-01676 1 fiche

Documentation of the toxic chemical loadings from the 8 significant Ontario industrial and municipal dischargers to the Niagara River for the 1987-88 and 1988-89 sampling periods. Calculations of the reductions in toxic chemical loadings are also made using the Niagara River toxics committee baseline data (1981-82) and the 1986-87 data from the previous status report  
EV ON PR SC

### Redwater recreation grounds : master plan

Edmonton : Edmonton Metropolitan Regional Planning Commission, 1989. 6 p. : ill. MICROLOG 90-02237 1 fiche

This document presents the goals and objectives of the plan, and discusses the design and development concept. It also provides several sites and entrance sign designs for the grounds.  
AL CU PR

### Reed Lake water quality near Spruce Point Mine, 1983

by A.E. Beck. Winnipeg : Manitoba Environment



and Workplace Safety and Health, 1983. v. 76 p. : maps. Bibliogr. (Water Standards and Studies report ; no. 87-6)  
MICROLOG 90-00394 1 fiche

Hudson Bay Mining and Smelting Co. Ltd. completed development of the Spruce Point Mine in 1981. The mine is located on a point projecting from the south shore of Reed Lake, the largest waterbody in the Grass River Provincial Park and highly valued for its exceptional water quality. Development of the mine aroused concern that Reed Lake water quality might be jeopardized. The present study was conducted in August 1983 to develop a baseline of data which could be used to readily and speedily detect anthropogenic changes in water quality. The delineation of baseline included data on water physicochemistry, metal concentrations in sediments and metal residues in fish. Comparisons were made to other appropriate lakes to determine whether or not the data base derived was indicative of natural background.  
EV MS PR SC

**Reevaluation of the status of Peary caribou and muskox populations within the Bathurst Island complex, Northwest Territories, July 1988**

by F.L. Miller. Ottawa : Canadian Wildlife Service, Western and Northern Region, 1989. x, 86 p. Bibliogr. (Technical report series ; no. 78) ISSN 0831-6481 ISBN 0-662-17289-2  
MICROLOG 90-02373 2 fiche

The Peary caribou is now found regularly only in the Canadian High Arctic and is considered a threatened species. The muskox is the only other ungulate that occurs regularly in the Canadian High Arctic. Both these species are the major staples in the diet of the high Arctic wolf. Therefore, muskoxen are monitored along with Peary caribou whenever possible. A re-evaluation of the statuses of Peary caribou and muskoxen on the south-central Queen Elizabeth Islands was carried out in 1988. An aerial survey to determine numbers and distributions was flown between July 11 and 21, 1988 in an area which included the islands of Bathurst, Cornwallis, Vanier, Cameron, Alexander, Massey, Little Cornwallis, Helena and Marc, Northwest Territories, in the Canadian Archipelago. A systematic unbounded line transect survey was flown about 90 m above ground level using a Bell-2068 turbo-helicopter on floats. This report presents the methods and results of that survey.  
CA EV NO SC

**Reference from the Lieutenant Governor in Council : ICG Utilities (Ont.) Ltd. : cogeneration project, Boise Cascade Canada Ltd., Fort Frances : report of the Board**

Ontario Energy Board. Toronto : The Board, 1989. 158 p. ISBN 0-7729-6459-9  
MICROLOG 90-04274 2 fiche

Report of a public hearing into the application of ICG Utilities (Ontario) Ltd to the Ontario Energy Board for exemptions to undertakings given in June 1988 by ICG and for certain orders related to a proposed investment by ICG Ontario in a cogeneration project to be built at the pulp and paper mill of Boise Cascade Canada Ltd. in Fort Frances. The project is proposed to be owned by ICG Ontario and held as a division of the utility company. The hearings covered the structure of the investment, gas supply arrangements, project economics, shareholder considerations, risks to the utility and its ratepayers, and separation and accounting issues. Also included are an organization chart for ICG Ontario and its distribution network, a schematic for the cogeneration plant and contracts related to it, and the base case cost

of capital and return on assets.  
EN ON PR SC

**Reference guide of funding sources for health research in Canada, 89**

Ottawa : Health and Welfare Canada, Health Services and Promotion Branch, Extramural Research Programs Directorate, 1989. 54 p. French ed. (*Répertoire des sources de...*) : 90-05333/1. At head of title: *National Health Research and Development Program*.  
MICROLOG 90-05336 1 fiche

This guide contains information on the majority of agencies (federal, provincial, non-government and foreign) that provide funding for health research in Canada. Information available for each agency includes address, interests (priorities), program categories, expenditures, eligibility criteria, geographical restrictions and application information. The information was collected during 1989 through a mail and telephone survey.  
● CA HE LS SC

**Reference method for source testing : measurement of releases of carbon monoxide from stationary sources -- Rev.**

Canada. Pollution Measurement Division. Ottawa : Environment Canada, Environmental Protection Service, 1990. vi, 12, vi, 12 p. (Report : EPS 1/RM/4) *Bilingual (Méthode de référence. rejets de monoxyde...)*. ISBN 0-662-57693-4  
MICROLOG 90-06381 1 fiche

This reference method is used to measure the releases of carbon monoxide from stationary sources. This guide covers the applicability of the method, principles, performance specifications, interferences, apparatus, reagents, procedures, and calculations.  
CA EV SC

**Reference method for source testing : measurement of releases of mercury from mercury cell chlor-alkali plants**

Canada. Pollution Measurement Division. Ottawa : Environment Canada, Environmental Protection Service, 1990. viii, 16, viii, 17 p. : ill. (Report : EPS 1/RM/5) *Bilingual (Méthode de référence...rejets de mercure...)*. ISBN 0-662-57520-2  
MICROLOG 90-06385 1 fiche

The methods described in this report are used to determine the rate of mercury emissions from mercury cell chlor-alkali plants. This guide covers principles, applications, reliability, apparatus, reagents, procedures and calculations.  
CA EV SC

**Reflets d'une région, vol. 1 : des projets éducatifs en devenir**

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction générale des réseaux, 1983. 12 p. (Bulletin information parents ; V. 4 no 4) CSI 67144.002. ISSN 0226-2126  
MICROLOG 90-00738 1 fiche

Le document porte sur les points suivants: le projet éducatif en tant que tentative de définition; le cheminement collectif du projet éducatif de l'école Mont St-Louis du Bic; l'école en projet éducatif; la 'Semaine du civisme' dans les écoles élémentaire et secondaire de St-Gabriel; un projet éducatif 'régional et communautaire'; apprendre à conduire fait partie du projet éducatif, et le projet éducatif est une idée à bâtir.  
ED PR QU

**Reflets d'une région, vol. 2 : le projet éducatif : une idée qui prend racines**

Québec : Québec, Ministère de l'éducation,

Direction régionale du Bas-Saint-Laurent-Gaspésie, 1984. 37 p. CSI 67144.002. ISBN 2-550-07664-8  
MICROLOG 90-02409 1 fiche

La naissance du concept de 'projet éducatif' à la fin des années 70 a provoqué un climat de fièvre dans un grand nombre d'écoles qui, rapidement, ont voulu un projet éducatif pour marquer leur spécificité, leur originalité, leur différences. Ce document se penche sur cette question et en donne de nombreux détails.  
ED PR QU

**Reflets d'une région, vol. 5 : le projet éducatif : y a-t-il péril en la demeure?**

Québec (Province). Ministère de l'éducation. Direction régionale du Bas-Saint-Laurent-Gaspésie. Québec : Gouvernement du Québec, Ministère de l'éducation, Direction générale des réseaux, 1988. 31 p. ISBN 2-550-14349-3  
MICROLOG 90-06076 1 fiche

Ce rapport emprunte le cheminement suivant: l'élève du primaire et sa place dans le projet éducatif de son école; le projet d'école face au règlement; le projet éducatif de demain en tant que virage majeur; l'existence d'un projet éducatif; une institution vivante sans projet éducatif; et, la possibilité d'un projet éducatif en 1988.  
ED PR QU

**La Refonte des systèmes d'indemnisation : à la Régie de l'assurance automobile du Québec**

par L. Savard. Québec : Gouvernement du Québec, Conseil du trésor, Service d'étude et de développement des politiques de gestion, 1989. 39 p. (Innovation et administration publique ; no 7) ISBN 2-550-19878-6  
MICROLOG 90-01042 1 fiche

Cette brochure fait état des projets de refonte complète des composantes administratives et informatiques des systèmes servant de support à l'application de la Loi sur l'assurance automobile. La brochure se penche sur les problèmes des systèmes d'indemnisation en 1982, le projet de refonte lui-même et fournit les résultats de ces projets.  
CO PA PR QU

**Reform of financial institutions in Quebec : objectives, guiding principles and action plan**

Quebec : Associate Minister for Finance and Privatization, 1987. 120 p. ISBN 2-550-17858-0  
MICROLOG 90-01251 2 fiche

Focuses on the rules which will govern financial institutions incorporated in the province and intermediaries. It examines the historical development of the securities industry, and the tensions and changes in the financial sector. It also presents the objectives and guiding principles that will form the framework for the reform of the financial institutions, and describes the proposed action plan for each of the financial sectors: savings and credit unions, trust and loan companies, insurance companies, financial intermediaries and investment dealers.  
CO PR QU

**La Réforme de la procédure de la Chambre des communes -- Rév.**

par J. Stilborn. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 13 p. Bibliogr. (Bulletin d'actualité ; 82-15F) *L'éd. anglaise (House of Commons...)* sur la même fiche. ISBN 0-660-92886-8  
MICROLOG 90-05372 1 fiche

Loin d'être un recueil de règles statistiques, la procédure (surtout le Règlement de la Chambre, qui en est la partie codifiée) évolue constamment, au fur et à mesure de réformes dont l'objet est d'adapter les ressources du



Parlement aux nouvelles réalités. Ce bulletin décrit l'orientation et l'évolution récente de la procédure parlementaire et en évalue l'impact sur le rôle du Parlement.  
CA PA

### Réforme de la profession d'agent d'assurance-vie : modèle de normes de qualités requises et de permis d'exercice en Ontario

Toronto : Ministère des institutions financières, 1989. 28, 25 p. *Bilingue (Life agent reform...)*. ISBN 0-7729-5824-6  
MICROLOG 90-00864 1 fiche

Document portant sur la profession d'agent d'assurance-vie. On y aborde les points suivants: le maintien des normes élevées en Ontario; la souplesse accrue; l'efficacité administrative; et les questions à examiner ultérieurement.  
CO ON PR

### Réforme des pensions : rapport

Conseil national du bien-être social (Canada). Ottawa : le Conseil, 1990. 109 p. : ill. Bibliogr. *L'édition anglaise (Pension reform...)* 90-03349/2. CSI 22251.205. ISBN 0-662-95852-7  
MICROLOG 90-04120 2 fiche

Le rapport souligne les améliorations à apporter aux prestations fédérales de sécurité du revenu pour les personnes qui sont déjà à la retraite, propose d'accroître la protection assurée par le Régime de pensions du Canada et le Régime de rentes du Québec, examine les régimes de pensions professionnels et les régimes enregistrés d'épargne-retraite, et traite du résultat net de la réforme des pensions. Il offre une estimation détaillée du coût des recommandations faites au gouvernement fédéral en le comparant aux sommes additionnelles d'Ottawa.  
• CA CO JU

### La Réforme des stimulants fiscaux à l'épargne-retraite

par R. Domingue. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 16 p. Bibliogr. (Bulletin d'actualité : 89-4F) *L'édition anglaise (Reforming retirement...)* sur la même fiche. ISBN 0-660-92724-1  
MICROLOG 90-01847 1 fiche

Le traitement fiscal accordé aux différents modes agréés d'épargne-retraite est d'une complexité telle que sa compréhension est difficile pour bien des Canadiens. L'hésitation des récents gouvernements à réformer le système fiscal pour le rendre plus simple et plus équitable n'a fait que compliquer les choses. En effet, à cause des nombreux revirements dans les positions gouvernementales, des signaux erronés ont créé des attentes et engendré de mauvaises décisions dans la gestion de l'épargne. Ce document définit les diverses formes d'épargne-retraite, révisé les propositions passées et examine plus en détail la dernière position gouvernementale concernant le traitement fiscal de l'épargne-retraite.  
CA CO PA

### La Réforme du Sénat

par L. Massicotte et F. Coulombe. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. 43 p. Bibliogr. (Étude générale : BP-96F) *L'édition anglaise (Senate reform)* sur la même fiche. ISBN 0-660-92685-7  
MICROLOG 90-01919 1 fiche

L'engagement pris dans l'Accord constitutionnel de 1987 d'inscrire la réforme du Sénat à l'appui croissant que l'idée d'un Sénat électif trouve dans certains milieux ont relancé le vieux débat sur l'avenir de la chambre haute du Parlement canadien. Ce document vise à faire le point sur ce dossier. Il examine particulièrement le bicamérisme en général; le

Sénat canadien; les propositions de réforme du Sénat depuis 1968; le rapport du comité mixte, les manifestations récentes d'appui à l'idée d'un Sénat électif; le projet de modification constitutionnelle concernant les pouvoirs du Sénat; et, l'Accord constitutionnel de 1987.  
CA JU PA

### Une Réforme soutenable : notes pour une allocution à la première conférence fédérale sur la gestion immobilière : Conférence 1988, le défi de la réforme

par J.F. Herity. Ottawa : Bureau fédéral d'examen des évaluations environnementales, 1988. 9 p. (Pages choisies : no 14) *L'édition anglaise (Sustainable reform : notes...)* sur la même fiche.  
MICROLOG 90-06134 1 fiche

Au printemps de cette année, le Bureau fédéral d'examen des évaluations environnementales a achevé une étude exhaustive du Processus de la réforme, comprenant un livre vert relatif aux possibilités de réforme et des consultations étendues interministérielles, intergouvernementales et à l'échelle nationale. Suite à cette étude, le bureau a proposé un certain nombre de réformes reflétant certaines préoccupations. On trouve, dans ce document, des renseignements sur la réforme de la gestion immobilière et une liste des éléments essentiels de la déclaration du ministre de l'Environnement datée du 20 octobre.  
CA EV SC

### Reforming retirement saving tax incentives

by R. Domingue. Ottawa : Library of Parliament, Research Branch, 1989. 15 p. Bibliogr. (Current issue review : 89-4E) *French ed. (La Réforme des stimulants...)* on the same fiche. ISBN 0-660-13325-3  
MICROLOG 90-01847 1 fiche

This paper defines the different types of retirement saving, reviews past proposals, and examines at length the government's latest position on the tax treatment of retirement saving.  
CA CI CO PA

### Reforming the partnership

Toronto : Association of Municipalities of Ontario, 1990. iv, 13 p. Bibliogr. (AMO report : report series 1990 : 90-4)  
MICROLOG 90-06570 1 fiche (Available on fiche only)

This document is a report on the meeting of the AMO with the Premier and the Cabinet at which a brief with 5 key recommendations was presented.  
MU ON PA

### Refuge utilization and nature of relationships among individuals in the eastern rockfish, *Sebastes taczanowskii*, *Scorpaeniformes*, *Sebastinae*

by V.E. Gomeliuk, V.P. Leunov and A.I. Markevitch. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 12 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences : no. 5476) *Originally published in Russian, by the USSR Academy of Sciences at Moscow, USSR.* ISSN 0704-3716  
MICROLOG 90-00594 1 fiche

The eastern rockfish is one of the numerous and widely distributed species of fish that inhabit the upper levels of the sublittoral of the Sea of Japan in Soviet Primor'e. As shelters, the fish make use of crevices in the rocks, spaces between boulders, and overhanging rocks. Preliminary data, obtained by observation of tagged fish, indicates that some of the fish remain in the same area for long periods of time, while others are attached to

no particular place. For a more detailed study of the peculiarities of the utilization of shelters in the daytime, an investigation was done in a trap which was placed near the natural habitat to study the degree of attachment of different fish to the refuges, as well as the interrelationships arising between the fish when using the same refuge. The work was done from August-September 1984 in Peter the Great Bay, Sea of Japan.  
• CA CF FI LS SC

### Refuse disposal guidelines for small communities

Beak Associates Consulting Ltd., Regina : Saskatchewan Environment and Public Safety, Air and Land Protection Branch, 1990. ii, 80 p. : ill. Bibliogr.  
MICROLOG 90-05894 1 fiche

This document discusses waste disposal options, legislative authority for waste management, landfill problems and solutions, waste generation rates and disposal volumes, site selection and investigation, design considerations, landfill operation, and financing and cost recovery.  
CI EV MS PR SC

### Regard sur la foresterie

Ottawa : Forêts Canada, 1990. 87, 87 p. : ill. *Bilingue (Forestry facts)*. CSI 22189.214  
ISBN 0-662-57140-1  
MICROLOG 90-03047 1 fiche

Ce document est présenté comme un livret de données sur le secteur forestier du Canada. La publication situe le Canada dans le contexte global, donne un aperçu complet du secteur forestier du pays et renferme de nombreuses statistiques présentées par secteur industriel, par province ou par territoire.  
CA FO SC ST

### Regard sur la foresterie -- Rév.

Ottawa : Forêts Canada, 1990. 87 p. : ill. *L'édition anglaise (Forestry facts) sur la même fiche.* CSI 22189.214. ISBN 0-662-96156-0  
MICROLOG 90-06985 1 fiche

Ce document est conçu comme un livret, facile à consulter, et plein de données utiles et intéressantes sur le secteur forestier du Canada. La publication situe le Canada dans un contexte global, donne un aperçu complet du secteur forestier du pays et renferme de nombreuses statistiques présentées par secteur industriel, province ou territoire.  
CA FO SC ST

### Regard sur le Nord : engagement du Canada dans l'Arctique

Ottawa : Affaires indiennes et du Nord Canada, 1989. 95 p. : ill. *L'édition anglaise (Looking North...)* : 90-00960/2. ISBN 0-662-95558-7  
MICROLOG 90-00959 2 fiche

Le Canada est un pays nordique. Son littoral arctique est le plus long du monde, et sa superficie en fait le plus grand pays du globe après l'Union soviétique. Le Canada occupe une place de choix dans la région circumpolaire nordique. C'est le Nord du Canada qui, malgré la distance qui le sépare de la population qui se trouve concentrée dans la frange méridionale du pays, a contribué à forger notre identité nationale et internationale. Le document donne une certaine "vision" du Nord, et se penche sur les points suivants: les perspectives historiques, la maturité politique, la diversité sociale et culturelle du nord, la science comme instrument de connaissance, l'économie du Nord, la protection de l'environnement du Nord, la sécurité du nord, le transport des marchandises et des personnes, les communications dans le Nord, et la coopération circumpolaire.  
CA CU EX JU NP



**Regenerating British Columbia's forests**

by D.P. Lavender...et al. Vancouver, B.C.  
University of British Columbia Press, 1990.  
xi, 372 p. : ill. Bibliogr. Sponsored by  
Canada and British Columbia. ISBN  
0-7748-0352-5  
MICROLOG 90-04437 4 fiche

Reference text on methods and principles for establishing new forests through both natural and artificial regeneration methods. Coverage includes material that is basic to the planning and conduct of a reforestation program; the importance of program planning and monitoring; a range of techniques developed to modify the post-harvest site, the production of vigorous propagules well suited to areas to be reforested; and the impact of non-crop plants, disease organisms, insect, and animal clipping or browsing on crop seedlings and saplings and how they can be minimized. Diagnostic guides to identify which, if any, destructive agents are present in a given plantation and what methods are necessary to prevent reduction in seedling growth and survival are also included.

• BC CA FO PR SC

**Régie de l'assurance automobile du Québec : Rapport d'activité 1988**

Québec : la Régie, 1989 48 p. : ill.  
CSI 67171.001. ISSN 0229-5547 ISBN  
2-550-19821-2  
MICROLOG 90-01007 1 fiche

La Régie a pour mission de réduire les risques inhérents à l'usage de la route. Trois plans d'action à la fois distincts et complémentaires s'intègrent à cette mission. Il s'agit du Contrôle de l'accès au réseau routier, de la Promotion de la sécurité routière et de l'indemnisation des victimes d'accidents de la route. De plus, le document examine la gestion des ressources et fournit les états financiers.

CO PR QU ST

**Régie de l'assurance automobile du Québec : Rapport d'activité 1989**

Québec : la Régie, 1990. 48 p. : ill.  
CSI 67171.001. ISSN 0229-5547 ISBN  
2-550-20762-9  
MICROLOG 90-07328 1 fiche

La Régie a pour mission de réduire les risques inhérents à l'usage de la route. Trois plans d'action s'intègrent à cette mission. Il s'agit du contrôle de l'accès au réseau routier, de la promotion de la sécurité routière et de l'indemnisation des victimes d'accidents de la route. Ce rapport annuel présente une vue d'ensemble des activités réalisées dans le cadre de ces 3 plans d'action. Inclut aussi des informations sur la gestion des ressources, ainsi que les états financiers.

CO PR QU ST

**Régie de l'assurance-dépôts du Québec : Rapport annuel 1988**

Québec : la Régie, 1989. 48 p.  
CSI 67187.001. ISSN 0701-5666 ISBN  
2-551-08385-0  
MICROLOG 90-00988 1 fiche

La Régie garantit à toute personne qui fait un dépôt d'argent à une institution inscrite ou à une banque, le paiement, à leur échéance respective, du capital et des intérêts de ce dépôt jusqu'à concurrence d'une somme de \$60 000. Le rapport annuel porte sur la Régie de l'assurance-dépôts du Québec et donne des renseignements sur les membres du Conseil d'administration. De plus, il donne un aperçu des opérations de l'année et des institutions inscrites pour finalement donner les états financiers.

CO PA PR QU ST

**Régie de l'assurance-dépôts du Québec : Rapport annuel 1989**

Québec : la Régie, 1990. 47 p.  
CSI 67187.001. ISSN 0701-5666 ISBN  
2-551-14093-5  
MICROLOG 90-07255 1 fiche

La Régie garantit à toute personne qui fait un dépôt d'argent à une institution inscrite ou à une banque, le paiement, à leur échéance respective, du capital et des intérêts de ce dépôt jusqu'à concurrence d'une somme de 60 000 \$. Ce rapport annuel pour l'année 1989 donne un aperçu des opérations de la Régie. Inclut les états financiers, un état sommaire des données financières et statistiques, ainsi que la liste des institutions inscrites à la Régie.

CO PA PR QU

**Régie de l'assurance-maladie du Québec : Rapport annuel 1988-89**

Sillery, Québec : la Régie, 1989. 76 p.  
CSI 67172.001. ISSN 0225-8560 ISBN  
2-550-19665-1  
MICROLOG 90-02048 1 fiche

Ce document présente le rapport des activités de la Régie de l'assurance-maladie du Québec. Il comporte des enseignements sur le rôle de la Régie et son organisation, sur les données financières relatives aux programmes et aux frais d'administration, de même que sur les principales activités de l'exercice 1988-1989.

HE PR QU SA ST

**Régie de l'assurance-maladie du Québec : Rapport annuel 1989-90**

Sillery, Québec : la Régie, 1990. 56 p. : ill.  
CSI 67172.001. ISSN 0225-8560 ISBN  
2-550-20803-X  
MICROLOG 90-07289 1 fiche

La Régie a été créée pour administrer le régime d'assurance-maladie et tout autre régime ou programme que la loi ou le gouvernement lui confie. Ce rapport annuel retrace les grandes lignes des activités et des réalisations de la Régie. Fournit des informations sur les données financières, et sur l'administration. Inclut les états financiers.

CO HE PR QU ST

**Régie de mise en marché du lait au Nouveau-Brunswick : Rapport annuel 1989**

Fredericton : la Régie, 1989. 8, 8 p. : ill.  
Bilingue. CSI 46145.001.  
MICROLOG 90-02602 1 fiche

Ce document présente le Rapport annuel de la Régie de mise en marché du lait du Nouveau-Brunswick pour l'année 1989. On y examine les services aux producteurs; la promotion; les faits saillants; les ventes; le lait de transformation; le lait de consommation; les relations publiques; et, la princesse laitière.

AG AP CO PR SC

**Régie des alcools de l'Ontario : Rapport annuel 1987-88**

Toronto : la Régie, 1988. 28, 28 p. : ill.  
Bilingue. CSI 56106.001.  
MICROLOG 90-02957 1 fiche

Ce document présente le Rapport annuel de 1987-1988 de la Régie des alcools de l'Ontario. Y sont fournis les renseignements suivants: le Rapport du président du conseil et du conseil d'administration; les rapports des divisions; les rapports financiers; et les états financiers.

CO ON PA PR ST

**Régie des assurances agricoles du Québec : Rapport annuel 1988-89**

Québec : la Régie, 1990. 40 p.  
CSI 67249.001. ISSN 0714-3249 ISBN  
2-551-14033-1  
MICROLOG 90-05087 1 fiche

En matière d'assurance-récolte, la Régie a

comme mandat de développer et d'administrer des plans d'assurance permettant aux producteurs agricoles de se prémunir contre les pertes imputables au climat, insectes et maladies ainsi qu'aux animaux sauvages. En matière d'assurance-stabilisation, la Régie administre les régimes prescrits par le Gouvernement et fixe par règlement le temps et la façon qui incombent à l'adhérent pour payer sa cotisation. Ce rapport présente les activités de la Régie pour l'année financière et les états financiers de l'exercice. On trouve aussi des statistiques au sujet de l'assurance: la participation de la clientèle, les dossiers indemnisés, et les paiements effectués.

AG CO PR QU

**Régie des loteries et courses du Québec : Rapport annuel 1988-89**

Québec : la Régie, 1989. 25 p.  
CSI 67175.001. ISSN 0225-6703 ISBN  
2-551-08504-7  
MICROLOG 90-03879 1 fiche

Ce document présente le rapport annuel des activités de la Régie des loteries et courses du Québec pour l'année financière qui s'est terminée le 31 mars 1989. Il aborde l'historique, les structures et les objectifs, les ressources humaines et financières, la réalisation et le fonctionnement, ainsi que les perspectives.

CU PR QU

**Régie des loteries et courses du Québec : Rapport annuel 1989-90**

Montréal : la Régie, 1990. 25 p.  
CSI 67175.001. ISSN 0225-6703 ISBN  
2-551-14147-8  
MICROLOG 90-07266 1 fiche

Le mandat confié par le gouvernement à la Régie consiste à assurer l'application, l'exécution et le respect de la loi, des règlements et des règles, à surveiller et contrôler les concours publicitaires, les systèmes de loteries et l'exploitation des appareils d'amusement. On présente l'historique de la Régie, les activités pour l'année, et des données sur les revenus, et les licences délivrées.

CO PR QU

**Régie des permis d'alcool du Québec : Rapport annuel 1988-89**

Québec : la Régie, 1989. 92 p. : ill.  
CSI 67192.001. ISSN 0710-376X ISBN  
2-551-08454-7  
MICROLOG 90-00983 1 fiche

Rapport annuel de la Régie des permis d'alcool du Québec pour l'année financière. Le document se penche particulièrement sur les ressources humaines, la structure de l'organisme, l'organisation administrative, les activités, l'analyse de certaines décisions, les recours à l'évocation, les faits saillants de l'année financière et les orientations pour 1989-1990.

CO PA PR QU ST

**Régie des permis d'alcool du Québec : Rapport annuel 1989-90**

Québec : la Régie, 1990. 93 p. : ill.  
CSI 67192.001. ISSN 0710-376X ISBN  
2-551-14170-2  
MICROLOG 90-07265 1 fiche

La Régie a compétence sur la délivrance des permis d'alcool, le contrôle de l'exploitation des débits de boissons et le contrôle de la publicité et des activités des ventes de boissons alcooliques. Ce rapport annuel pour l'année financière 1989-90 fait le bilan des activités et des réalisations de la Régie et fournit des informations sur la structure de l'organisme, sur l'organisation administrative et sur les recours à l'évocation. Il comprend aussi une analyse de certaines décisions et les états financiers.

CO PR QU ST



**Régie des rentes du Québec :  
Rapport annuel 1989-90**

Québec : la Régie, 1990. 66 p. : ill.  
CSI 67176.001. ISSN 0380-4585 ISBN  
2-550-20917-6  
MICROLOG 90-05835 1 fiche

La Régie administre la Loi sur le régime des rentes du Québec, la Loi sur les régimes complémentaires de rentes et la Loi sur les allocations familiales. Elle effectue en outre des recherches et des études en vue de faire des recommandations portant sur les domaines de sa compétence au ministre de la Main-d'œuvre et de la Sécurité du revenu. La Régie doit aussi veiller à ce que ses clientèles obtiennent la protection prévue par les lois qu'elle administre. Ce rapport annuel pour l'exercice terminé le 31 mars 1990 fait le bilan des activités et des réalisations de la Régie. Inclut les états financiers.  
CO PR QU ST

**Régie des transports en commun de  
la région de Toronto (Ont.) : Rapport  
annuel 1988-89**

Toronto : la Régie, 1989. 20, 20 p. : ill.  
Bilingue. CSI 56174.001  
MICROLOG 90-05633 1 fiche

Ce document présente le compte-rendu des activités de la Régie des transports en commun de la région de Toronto pour l'exercice clos le 11 mars 1989. Le document se penche particulièrement sur le Réseau GO, qui a connu au cours de la dernière année, la plus forte croissance de toute son histoire.  
MU ON PR SC ST TR

**Régime d'assistance publique du  
Canada : Rapport annuel 1985-86**

Ottawa : Santé et bien-être social Canada, 1990. 29, 27 p. : ill. Bibliogr. Bilingue  
CSI 21112.003 ISBN 0-662-57160-6  
MICROLOG 90-02577 1 fiche

Ce document présente le Rapport annuel du Régime d'assistance publique du Canada pour l'année financière terminée le 31 mars 1986. Y sont abordés les points suivants: les composantes du Régime d'assistance publique du Canada (RAPC); les activités de la Direction en 1985-86 relatives au RAPC, les responsabilités administratives connexes; et, la Loi sur la taxe d'accise.  
CA HE SA ST

**Le Régime de protection des  
automobilistes de l'Ontario : sommaire**

Toronto : Ministère des institutions financières, 1989. 10, 9 p. Bilingue (The Ontario motorist...)  
MICROLOG 90-01619 1 fiche

La conduite automobile comporte des risques, des risques de décès, de blessures corporelles et de dommages matériels. En 1987, dernière année pour laquelle on dispose de statistiques, on a enregistré 203 000 accidents de la circulation qui ont causé des blessures à 121 000 personnes. Les coûts financiers sont tout aussi écrasants. Les demandes d'indemnisation des blessures corporelles ont atteint 1,8 milliard de dollars l'année dernière en Ontario. De plus, les blessures grèvent énormément les ressources financières du système de soins de santé. Ce document est un sommaire des différents aspects du régime de protection des automobilistes de l'Ontario.  
CO ON PR

**Régime de rentes du Québec :  
allocations d'aide aux familles du  
Québec : statistiques, 1988**

Québec : Direction de la planification et de la statistique, Régie des rentes du Québec, 1989. 62 p. CSI 67176.003. ISSN 0836-9275 ISBN 2-550-19535-3  
MICROLOG 90-00715 1 fiche

Ce régime de rentes a été créé dans le but

d'assurer aux travailleuses et aux travailleurs rémunérés du Québec et aux personnes à leur charge, une protection de base contre la perte de revenus pouvant résulter de la retraite, du décès ou de l'invalidité. Le programme québécois d'allocations d'aide aux familles comprend quatre volets distincts: l'allocation familiale, l'allocation pour jeune enfant, les allocations à la naissance et l'allocation pour enfant handicapé. Les tableaux ventilés en fonction de variable socio-économiques aident à situer les clientèles de la Régie en fonction de l'environnement social québécois. Finalement, les renseignements fournis dans ce document permettent de cerner les lignes de force que constituent certains champs de la sécurité du revenu.  
PR QU SA ST

**Le Régime fiscal des agriculteurs --  
Rév.**

par T.J. Thomas. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 16 p. Bibliogr. (Bulletin d'actualité : 88-12F) L'éd. anglaise (The Taxation of farmers) sur la même fiche. ISBN 0-660-92716-0  
MICROLOG 90-01839 1 fiche

Tout au long de l'histoire, on a toujours admis l'importance de l'agriculture et reconnu aux agriculteurs un statut spécial au sein de la société. Le Canada du vingtième siècle ne fait pas exception à cette règle, ainsi, la Chambre des communes et le Sénat ont tous deux des comités permanents voués à l'étude des questions agricoles. La réforme récente de la 'Loi de l'impôt sur le revenu' comportait plusieurs dispositions visant les agriculteurs mais ne reprenait pas intégralement celles qui avaient été recommandées dans le Livre blanc sur la réforme fiscale de juin 1987. Dans ce document, on examine ces recommandations et on montre comment elles ont été modifiées dans la motion des voies et moyens déposée un an plus tard et dans le projet de loi C-139. Loi modifiant la 'Loi de l'impôt sur le revenu' qui a reçu la sanction royale en septembre 1988.  
AG CA CO PA

**Le Régime québécois de santé et de  
sécurité du travail dans le contexte  
nord-américain**

Québec : Commission de la santé et de la sécurité du travail du Québec, 1989. 43 p. ill. ISBN 2-550-19539-6  
MICROLOG 90-01008 1 fiche

Ce document présente un certain nombre d'indices qui permettent de mieux évaluer la position du Québec dans le domaine de l'indemnisation des accidentés du travail. Il fait l'examen des points suivants: les modes de financement; l'évolution comparée de certains paramètres, la charge financière moyenne par secteur; la situation de chacune des provinces, la description sommaire des régimes dans quelques-uns des états des États-Unis.  
● CA HE LA

**Les Régimes pédagogiques et la loi  
107**

avis au Ministre de l'éducation. Québec  
Conseil supérieur de l'éducation, 1989. 16 p. ISBN 2-550-14928-9  
MICROLOG 90-01162 1 fiche

La loi 107 traite de la responsabilité ministérielle à l'égard des programmes d'études. Cette analyse porte sur les éléments des régimes actuels qui se retrouvent dans la loi. Elle souligne les éléments mineurs de différence entre les régimes actuels et les régimes proposés. Finalement, elle aborde quelques thèmes dont les éléments des régimes pédagogiques actuels insérés dans la loi 107, les changements au régime pédagogique de l'éducation préscolaire et du primaire et les

changements au régime pédagogique du secondaire  
ED PR QU

**Regina (Sask.). Health Dept. : Annual  
report 1988**

Regina : The Dept., 1989. 51 p. : ill.  
CSI 89282.001  
MICROLOG 90-00529 1 fiche

This annual report reviews communicable disease control, and environmental health control. It also reports on health education and promotion, the native health program, and family health programs. It includes a financial report.  
HE MS MU ST

**Regina (Sask.). Health Dept. : Annual  
report 1989**

Regina : The Dept., 1990. 51 p. : ill.  
CSI 89282.001  
MICROLOG 90-06828 1 fiche

The mission of the Dept. is to protect, promote and improve the health of Regina citizens and to prevent and control disease. Provided in this report are statistics, information on communicable disease control, environmental health control, health education and promotion, the native health program, and family health programs, together with administration reports, and a financial report.  
HE MS MU ST

**Regina (Sask.) : Financial report  
1989**

Regina : The City, 1990. 86 p. : ill.  
CSI 89283.001  
MICROLOG 90-06544 2 fiche

The financial statements contain details of the combined financial statements, supplementary statements and schedules, sinking fund and trust funds, and statements from the Civic employees', the Police, elected officials' and casual employees' superannuation and benefit plans including pensions. Also includes a list of current city council members and a civic organization chart.  
MS MU PA

**Région administrative de Québec :  
principales caractéristiques de la  
population des MRC et de certaines  
municipalités**

Québec : Bureau de la statistique du Québec, Statistiques régionales, 1990. 46 p.  
CSI 67131.222. ISBN 2-551-12391-7  
MICROLOG 90-06150 1 fiche

Essentiellement tiré du recensement de la population de 1986, dont les dernières données ont été rendues disponibles au début de 1989, le contenu de ce recueil de statistiques porte sur la population, les familles, les ménages et le logement. Il présente plus de 50 variables dont les données sont ventilées en près de 400 sous-catégories. Son caractère original tient à plusieurs facteurs, plus particulièrement, à la présentation des données du recensement de 1986 au niveau de la région et de chacune des municipalités régionales de comté (MRC) qui la composent. Par ailleurs, l'évolution dans le temps de certaines variables-clés est illustrée à travers les taux de variation au cours des périodes de 1971 à 1986, de 1976 à 1986 et de 1981 à 1986.  
PR QU SA ST

**Region of Peel contingency landfill  
site : site VIB : city of Brampton**

by D.J. Markle. Mississauga, Ont. Region of Peel, 1989. 31 p. : maps.  
MICROLOG 90-02319 1 fiche

Contingency site VIB is located in the north-eastern quadrant of the City of Brampton and is bounded on the east by Turtle Creek, on the south by Countryside Drive, on the west by Torbram Road, and on the north by



Mayfield Road. The proposed capacity of the site is 3.2 million tonnes, based on a number of assumptions. This document describes the history of search for a landfill site, the type of site, the need for a receptive community, a site description, Environmental Protection Act approval, public consultation, the schedule for development, and conditions. Detailed maps of the site, property ownership in the vicinity, and final contours of the site are also included.  
CI EV MU ON PW SC

#### Regional Administrative Unit 1 : Annual report 1988-89

Charlottetown : Dept. of Education, 1989. 84 p.  
CSI 61102.002  
MICROLOG 90-04285 1 fiche

Annual report of the administrative unit, summarizing the educational accomplishments of the Unit One School Board during the 1988/89 school year. Information is given on curriculum and school programs, cost per pupil breakdown, property, transportation, pupil enrolment, and personnel. A financial statement is included.

AP ED PR ST

#### Regional Administrative Unit no. 5 : Annual report 1988-89

Charlottetown : Dept. of Education, 1989. 30 p.  
CSI 61102.006  
MICROLOG 90-04295 1 fiche

The report offers a summary of educational activities, a report of the Board Chairperson, statistical tables on costs, attendance, enrolments, and transportation. It also contains an audited financial statement for the school year ended June 30, 1989.

AP ED PR

#### Regional and public libraries statistics, 1988-89

Fredericton : Dept. of Tourism, Recreation and Heritage, Library Service, 1989. 24, 24 p.  
Bilingual (Bibliothèques régionales et publiques...) CSI 46108.002  
MICROLOG 90-02762 1 fiche

This document contains provincial statistics, New Brunswick library service statistics, and regional and public library statistics.

AP CU PR ST

#### Regional Development Corporation (N.B.) : Annual report 1987-88

Fredericton : The Corporation, 1988. 36, 38 p.  
Bilingual. CSI 46140.001  
MICROLOG 90-02158 1 fiche

Annual report of the Corporation, responsible on behalf of the province for the coordination of implementation of all subsidiary agreements signed by the Government of Canada and the Province of New Brunswick. The report gives explanations of the agreements signed in economic and regional development, including urban revitalization, modernization of industrial plants, agri-food development, forest renewal, mineral and fisheries development, tourism development, livestock feed development, energy conservation and alternative energy activities, community adjustment and adaptation programs. Financial statements are included.

AP MU PL PR

#### Regional development in Atlantic Canada : an overview and a case study of the Human Resources Development Association

by E.J. Beale. Ottawa : Economic Council of Canada, 1989. xiii, 87 p. Bibliogr. (Local development paper ; no. 3) ISSN 0225-8013  
MICROLOG 90-04059 2 fiche (Available on fiche only)

Reviews the trends in Atlantic regional development policy and explores some current issues which are particularly important to the

Atlantic provinces. It focuses on the case study in order to evaluate how effective the Human Resources Development Association has been in meeting its own objectives as well as to determine what lessons can be learned from its experience. It provides a profile of the organization, a financial analysis, and an outline of employment patterns, and assesses the organization's impact on its target population.  
• AP CA CO

#### Regional development in Canada -- Rev.

by G. Beaumier. Ottawa : Library of Parliament, Research Branch, 1989. 13 p.  
Bibliogr. (Current issue review ; 88-13E)  
French ed. (Le Développement régional au Canada) on the same fiche. ISBN 0-660-13318-0  
MICROLOG 90-01840 1 fiche

Review of federal regional development policy since World War II. The paper gives the background and an analysis of the reasons for the need for such policy; government attempts from 1958 to address the problem; the creation of the Department of Regional Economic Expansion, its successor the Department of Regional Industrial Expansion, and the 1987 restructuring, and a summary of the effects of these attempts. A chronology is included.  
CA CI CO PA

#### Regional frequency analysis guidelines : the flood frequency case

by P.J. Pilon and W.O. Thomas. Ottawa : Environment Canada, 1990. ii, 12 p.  
Bibliogr.  
MICROLOG 90-06431 1 fiche

The Water Resources Branch provides surface water data and information to hydrologists, water managers, and other interested users in Canada. Part of the information developed relates to tools and procedures for interpreting streamflow data in different basins and regions. This document provides a guideline for performing a regional flood analysis using procedures that are commonly applied within the Branch and similar agencies. Step-by-step instructions give the sequence by which studies are normally conducted. References are made to appropriate sources for further study.  
CA EV SC

#### Regional School Unit 3 : Annual report 1988-89

Charlottetown : Dept. of Education, 1989. 37 p.  
CSI 61102.004  
MICROLOG 90-04294 1 fiche

This annual report contains the report of the Chairperson and Executive Committee, the Curriculum Committee report, Finance and Operations Committee report, and Personnel Committee report. It also presents financial statements.

AP ED PR ST

#### Regional study of rock drains in surface coal mines in Canada, phase I

Piteau Engineering Ltd. Calgary, Alta. : The Corporation, 1989. 50 p. : ill., maps.  
Bibliogr. CANMET contract: 89188-01-SQ.  
MICROLOG 90-02537 1 fiche

In recent years, at an increasing number of mines in mountainous terrain, it has been concluded that placement of mine waste rock in valleys is the most economic and technically feasible means of waste disposal. The major drawback is the impact of the fill on the stream occupying the valley floor. This report is phase 1 of a 2-phase study reviewing the current approaches being followed by operating coal mines in the design and construction of rock drains, leading to a common coherent approach to the topic of rock drain design, construction, monitoring and abandonment. This first phase reviews the literature and presents

a summary of the analytical procedures. Design, construction and performance monitoring information was collected at 6 mine locations in Alberta, the Yukon Territories and British Columbia.

• CA CM EV NR SC

#### Regional unemployment in Canada : a nation out of balance : interim report

presented to the Minister of Employment and Immigration ; by the Canada Employment and Immigration Advisory Council. Ottawa : The Council, 1989. xiii, 54, xiii, 54 p. : ill. Bilingual (Le Chômage régional...)  
MICROLOG 90-02755 2 fiche

Discusses the characteristics of high unemployment regions, and identifies problems and issues by regions. It presents strategies for regional development and employment growth, and identifies local development problem areas.

CA LA SA

#### Régions à thème : un document d'étude à l'intention de l'industrie des voyages du Nouveau-Brunswick

Fredericton : Ministère du tourisme, loisirs, et patrimoine, Division de marketing et développement, 1990. 6 p. : ill., cartes géogr. L'éd. anglaise (Themed regions...) sur la même fiche.

MICROLOG 90-06085 1 fiche

Le but de ce document d'étude vise à présenter certaines réflexions initiales au sujet des régions à thème, telles que formulées par une large gamme de partenaires de l'industrie touristique qui ont participé à une ronde initiale de rencontres de consultation. Soixante-quinze personnes de diverses localités de la province constituant un échantillonnage représentatif de l'industrie ont été interviewées; associations touristiques régionales; agents touristiques municipaux; commissions de développement économique régional; gérants de district touristique; agents de promotion touristique; chambres de commerce; entrepreneurs; et, directeurs de la division du développement. Les idées formulées dans ce document résultent en grande partie des renseignements recueillis lors des entrevues et des discussions.  
AP CO CU PR

#### Régions administratives de Montréal et de Laval : principales caractéristiques de la population de certaines municipalités et certains découpages géographiques

Québec : Bureau de la statistique du Québec, Statistiques régionales, 1990. 72 p.  
CSI 67131.209. ISBN 2-551-12402-6  
MICROLOG 90-06149 1 fiche

Essentiellement tiré du recensement de la population de 1986, dont les dernières données ont été rendues disponibles au début de 1989, le contenu de ce recueil de statistiques porte sur la population, les familles, les ménages et le logement. Il présente plus de 50 variables dont les données sont ventilées en près de 400 sous-catégories. Son caractère original tient à plusieurs facteurs, plus particulièrement, à la présentation des données du recensement de 1986 au niveau de la région administrative et de certaines municipalités; c'est à des fins de comparaisons que les données de la Communauté urbaine de Montréal, de la région métropolitaine et de l'ensemble du Québec sont présentées. Par ailleurs, l'évolution dans le temps de certaines variables-clés est illustrée à travers les taux de variation au cours des périodes de 1971 à 1986, de 1976 à 1986 et de 1981 à 1986.  
PR QU SA ST

#### Regions of peace : oases of hope

by A. Simoni. Ottawa : Canadian Institute for International Peace and Security, 1988. 18 p.



Bibliogr. (Working paper ; no. 13)  
MICROLOG 90-02911 1 fiche

The purpose of this paper is to outline a concept of how regional security associations could not only function but would be sufficiently desirable to entice nations to join.

• CA CI EX

### Registre d'accès, 1989-90

Gouvernement du Canada, Loi sur l'accès à l'information. Ottawa : Approvisionnement et services Canada, 1989. x, 1002 p. L'éd. anglaise (Access register, 1989-90) : 90-02242/10 ISBN 0-662-95695-8  
MICROLOG 90-02243 10 fiche

Le Registre d'accès existe pour faciliter l'exercice des droits en vertu de la 'Loi sur l'accès à l'information'. Il comprend les grandes parties suivantes: les catégories de documents normalisées; les index par sujets; les renseignements détenus par les institutions; une description des programmes et des fonctions de l'institution; des renseignements sur la marche à suivre pour faire une demande d'accès à l'information détenue par l'institution; les catégories de documents tenues par l'institution, et, un organigramme fonctionnel donnant une vue d'ensemble des divisions de chaque institution ainsi que les catégories de documents qu'elle détient.  
CA JU PA

### La Réglementation des institutions financières : la politique en matière de propriété

par B. Zafiriou. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. ii, 41 p. Bibliogr. (Etude générale ; BP-197F) L'éd. anglaise (Regulation of financial institutions...) sur la même fiche. ISBN 0-660-92702-0  
MICROLOG 90-01891 1 fiche

Dans un énoncé de politique publié en décembre 1986, le ministre d'Etat aux Finances a présenté un ensemble exhaustif de propositions visant la réforme de la structure réglementaire du secteur financier du Canada. Une des principales propositions portait sur une nouvelle politique en matière de propriété visant à rompre les liens entre les secteurs financier et commercial et à faire en sorte que les grandes institutions financières aient un capital largement réparti. Ce document donne des renseignements sur le contexte, la politique proposée en matière de propriété, les arguments en faveur des restrictions en matière de propriété, et les arguments contre les restrictions en matière de propriété.  
CA CO PA

### Règles budgétaires et calculs des subventions de fonctionnement aux universités du Québec, 1988-89

Québec : Gouvernement du Québec, Ministère de l'enseignement supérieur et de la science, Direction générale de l'enseignement et de la recherche universitaires, 1988. iii, 52 p. CSI 66131.017. ISBN 2-550-19130-7  
MICROLOG 90-02789 2 fiche

Ce document décrit le processus général de détermination de l'enveloppe des subventions de fonctionnement et les principales variables considérées pour cette détermination, indépendamment des subventions spécifiques pour l'année 1988-89. Ces dernières sont présentées en seconde partie, au niveau global et avec un résumé des principaux changements à l'enveloppe ou aux règles elles-mêmes pour 1988-89. La troisième partie précise l'information sur chaque composante de la subvention et sur leur répartition entre les universités. Viennent ensuite, dans des parties distinctes, les règles relatives à la gestion des subventions, à la rendition des comptes, à la détermination du nombre de postes de résidents en médecine et celles relatives au

contingentement des nouvelles inscriptions en médecine. Les résultats du calcul des subventions de chaque université, par composante détaillée, sont présentés dans les tableaux et annexes qui complètent le mémoire.  
ED PA PR QU ST

### Regulation of financial institutions : ownership policy

by B. Zafiriou. Ottawa : Library of Parliament, Research Branch, 1989. ii, 35 p. Bibliogr. (Backgrounder ; BP-197E) French ed. (La Réglementation des institutions...) on the same fiche ISBN 0-660-13302-4  
MICROLOG 90-01891 1 fiche

Outlines the main elements of the proposed ownership policy, and reviews the arguments concerning the policy. It presents the case in favour of the proposed restrictions, and the case against them.  
CA CI CO PA

### The Regulation of industrial toxic and hazardous emissions in Ontario as compared with selected jurisdictions, vol. 1 : summary and conclusions

James F. Hickling Management Consultants Ltd. Toronto : Environment Ontario, Policy and Planning Branch, 1990. v, 92 p. Bibliogr. ISBN 0-7729-6116-6  
MICROLOG 90-04770 2 fiche

In pursuit of environmentally sound economic development in Ontario, the government recently developed a number of policy initiatives in environmental protection. Two major initiatives, resulting in the establishment of more stringent standards on effluents and emissions released into the environment, are the Municipal Industrial Strategy for Abatement (MISA) which aims to achieve the virtual elimination of toxic contaminants in municipal and industrial discharges into waterways, and proposed revisions to Regulation 308 of the Environmental Protection Act to impose direct emission limits on all air pollution sources of any appreciable size. This study determined if Ontario's proposed regulations constitute a competitive disadvantage for industries in the province. The study compared Quebec and Alberta to Ontario, as well as to a set of 12 U.S. states and, to a lesser degree, 6 OECD countries. Nine industry sectors were targeted as those most likely to bear the heaviest burden under the regulatory initiatives.  
EV ON PR SC

### Regulation of radiation sources in Canada

by W.R. Brown. Ottawa : Atomic Energy Control Board, 1989. 28 p. : ill. (Paper ; INFO-0346) Paper presented at the AIEA International Training Course on Safety and Regulation of Sealed Sources of Radioactive Material  
MICROLOG 90-06864 1 fiche

This paper describes the Canadian program for the regulation of radiation sources, particularly radioisotopes. The paper describes the Atomic Energy Control Board and the most significant parts of its regulations. Licensing is explained by describing the assessment of an application through to enforcement of the requirements, and the overall effectiveness of the program is measured by analyzing the incidents and overexposures that have occurred in recent years.

• CA EN SC

### A Regulation to prevent wild fires on forest lands : a discussion paper

Victoria : Ministry of Forests, 1989. 35 p. MICROLOG 90-01254 1 fiche

In the spring of 1989, the B.C. Forest Service began a review of the forest fire prevention regulation to determine its adequacy in light of current activities in and around forest lands in

the province. The process included the research and development of a new regulation to govern activities that take place in, or near, any forest to minimize the risk of man-caused fires. Some meetings were held with representatives of some of the industries and with Forest Service officials. This discussion paper covers the basic principles of fire prevention regulations, descriptions of the issues within the existing regulations, divided into major and minor issues; and suggested changes and additions. The current regulation is included.  
BC FO PR PW SC

### Regulations for salted fish and klipfish

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 53 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5282) Originally published in Norwegian, by the Dept. of Fisheries, Norway. ISSN 0704-3716  
MICROLOG 90-02752 1 fiche

Regulations for dressing, processing, conveying, packing, storage and transport of fish which are to be processed, or have been processed. Into salted fish and klipfish in Norway.  
• CA CF FI SC

### Regulatory research and support program for 1990-91 : project descriptions

Ottawa : Atomic Energy Control Board, 1990. 202 p. (Information bulletin ; 90-2) At head of title. Notes  
MICROLOG 90-07090 3 fiche

The Regulatory Research and Support Program is intended to augment and extend the Atomic Energy Control Board's regulatory program beyond the capability of in-house resources. The program covers the safety of nuclear facilities, radioactive waste management, health physics, physical security and the development of regulatory processes. This document contains a list of the projects with a brief description of each, as well as additional supporting information. A list of review panels and funding by mission object is included.  
CA EN SC

### Rehabilitation principles and guidelines

by Robert Lemon, edited by Mary McKinnon. Victoria : Ministry of Municipal Affairs, Recreation and Culture, British Columbia Heritage Trust, 1989. 32 p. Bibliogr. (Technical paper series ; 11) ISSN 0229-9976 ISBN 0-7718-8770-1  
MICROLOG 90-03815 1 fiche

One of a series of manuals developed to guide heritage conservation. This manual deals specifically with the procedures to ensure maximum preservation of historic elements in any rehabilitation project. The manual includes a set of conservation and rehabilitation principles to be used. Guidelines are developed to ensure that any changes necessary in rehabilitation work are undertaken in the most sensitive way possible to preserve the heritage structure's historic character and features.  
BC CU PL PR SC

### Rejection index for pressure tubes

by A.B. Mitchell and D. Meneley. Ottawa : Atomic Energy Control Board, 1989. ii, 89 p. Bibliogr. (Research report ; INFO-0323)  
MICROLOG 90-04393 2 fiche

Study to establish a set of criteria (or rejection index) which could be used to decide whether a zirconium-2 1/2 w/o niobium pressure tube in a CANDU reactor should be removed from service due to in-service degradation. Background information on pressure tube failure events in Canada and worldwide, metallurgical degradation of zirconium alloy pressure tubes



in reactor service; 'leak-before-break' and other safety philosophies; pre-service and in-service inspection practices; and current requirements for periodic inspection of pressure tubes was collected. On the basis of this background information, a critique of key issues associated with establishing a realistic rejection index was prepared. Areas of uncertainty in available information were identified and recommendations for further analysis and laboratory testing made.  
CA EN PS SC

#### Relance au secondaire : promotion 1986-87, situation au 31 mars 1988

par P. Michel. Québec : Ministère de l'éducation, Direction générale de la recherche et du développement, 1989. vii, 197 p. ISBN 2-550-14796-0  
MICROLOG 90-02007 3 fiche

Ce document présente les résultats de l'enquête annuelle 'Relance au secondaire', menée en 1988 auprès de diplômés du secondaire, promotion 1986-87. Dans ce rapport, on trouve d'abord quelques constatations d'ordre général qui permettent de situer dans un contexte élargi l'état de santé de chaque discipline décrite. Viennent ensuite une vue d'ensemble de la situation des diplômés du secondaire et les résultats par métier, selon le sexe, dans l'ordre numérique des disciplines  
ED PR QU

#### La Relance locale : pour un approche communautaire du développement économique : un rapport

Conseil économique du Canada. Ottawa : le Conseil, 1990. x, 20 p. : ill. L'éd. anglaise (*From the bottom... sur la même fiche*). ISBN 0-660-92967-8  
MICROLOG 90-06580 1 fiche

Des organismes communautaires existent de longue date au Canada. Des coopératives agricoles, forestières et de pêche défendent depuis longtemps les intérêts de leurs membres, et nombre de collectivités ont formé des organisations pour promouvoir l'entraide et d'autres objectifs sociaux. Ce qui est relativement nouveau au Canada, c'est le recours aux programmes communautaires comme instruments de développement de l'économie et de l'entreprise. Ce rapport vise à déterminer comment ces nouveaux éléments d'entrepreneuriat du développement communautaire pourraient servir à résoudre le problème de la stagnation économique qui continue de se poser dans de nombreuses régions du pays.  
CA CO

#### The Relation between sediment flux and fish feeding in coastal culture farms

by S. Kadowaki, et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 13 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5188) *Originally published in Japanese, in Japan* ISSN 0704-3716  
MICROLOG 90-00071 1 fiche

Sediment flux in coastal culture farms was observed to estimate an environmental load resulting from fish feeding. Observations were made 63 times between October 1977 and February 1980, in the farms located around the Fisheries Research Laboratory of Kagoshima University. The sediments were collected from a sea beam farm, a yellowtail farm, and a non-culture area, in depths from 8-16 m. Polyethylene columns were set on the sea bottom at each station, and renewed every 4 days during the culture season. The samples were filtered after collection, and dried at 60°C for 5 days. The food quantity and

quality were noted every day in each farm.  
● CA CF FI SC

#### Les Relations interraciales dans les municipalités : rapport sur les délibérations

Conférence ontarienne sur les relations interraciales dans les municipalités (1re : 1988 : Toronto, Ont.). Toronto : Ministère des affaires civiques, 1989. 64, 64 p. Bilingue (*Municipal race relations...*). ISBN 0-7729-6917-5  
MICROLOG 90-06614 2 fiche

Ceci est le rapport de la première Conférence provinciale sur les relations interraciales. Cette conférence a fourni l'occasion de voir comment les municipalités et les comités municipaux pouvaient régler les problèmes de relations interraciales, tirer la leçon de l'expérience et des efforts des autres, et explorer les façons de promouvoir de bonnes relations interraciales. Les sujets qui y sont traités sont les suivants: les facteurs critiques de succès des initiatives en matière de relations interraciales dans les municipalités; les rapports des ateliers sur la formation en relations interraciales, la réaction aux incidents raciaux; l'amélioration des relations interraciales; l'établissement de liens avec la communauté et le profil des communautés municipales; les thèmes et orientations des relations interraciales dans les municipalités, et, les relations interraciales et le gouvernement de l'Ontario.  
MU ON PR SA

#### The Relationship between genetic stability and variability in populations of rock grenadier in the North Atlantic

by V.V. Dushchenko. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 7 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5407) *Originally published in Russian, in the U.S.S.R.* ISSN 0704-3716  
MICROLOG 90-01537 1 fiche

Despite many years of experience in fishing the North Atlantic rock grenadier and in researching this species, many important aspects of its biology remain unstudied. Attempts to utilize the polymorphic system of myogenic esterase to identify isolated groupings of grenadier failed to give the expected results due to the insignificant variability of gene and genotypic frequencies over the greater part of its geographic range. Variations in the concentrations of phenotypes of esterase depended on the sex and size of the fish, leading to a hypothesis on the selective nature of polymorphism at locus Est-1 and the natural effect of the migration of eggs and larvae on the formation of the gene pool of local populations. This study followed the variability of esterase using 5-cm size classes. Samples of 200-300 specimens were used for the analysis obtained from the chief fishing regions of the North Atlantic in 1979 and 1980. Classification of esterase isoenzymes was made and statistical treatment was constructed according to the method guidelines of TINRO.  
● CA CF FI LS SC

#### Relationship between the density of larvae of *Pandalus kessleri* C. and that of *Zostera marina* L.

by T. Mizushima. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 21 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5222) *Originally published in Japanese, in Japan.* ISSN 0704-3716  
MICROLOG 90-02687 1 fiche

Clarifying the relationship between the distribution of *P. kessleri* C. larvae and *Z. marina* L. is important for the creation of fishing grounds for *P. kessleri* C. and also for

the establishment in the future of nurseries for juveniles. A survey was conducted on the relationship between the density of *Z. marina* L. and that of *P. kessleri* C. larvae in June 1982 and June 1984, shortly after the hatching of *P. kessleri* C. larvae, at 3 points in Notsuke Bay. At the same time, the water temperature in the surface layer and the bottom layer at each point was observed.  
● CA CF FI LS SC

#### Relationships between aquatic birds and wetland characteristics in the Aspen Parkland, central British Columbia

by W.S. Boyd, J.-P.L. Savard and G.E.J. Smith. Ottawa : Canadian Wildlife Service, Pacific and Yukon Region, 1989. ix, 61 p. : ill. Bibliogr. (Technical report series ; no. 70) ISSN 0831-6481 ISBN 0-662-17035-0  
MICROLOG 90-02390 1 fiche

Riske Creek is the centre of one of the most important wetland complexes for breeding waterfowl in B.C. To protect and manage that complex and others for the benefit of aquatic bird populations, an understanding of the relationships between habitat and bird numbers is needed. This study identifies potentially important abiotic habitat components of Riske Creek wetlands and determines the amount of variation in adult and brood numbers of different aquatic bird species and species groups that could be accounted for by those components, as well as determining the significance of biotic habitat components.  
BC CA EV SC

#### The Relative effectiveness of fixed-wing aircraft and helicopters for surveying Trumpeter Swans

by L.J. Shandruk and K.J. McCormick. Ottawa : Canadian Wildlife Service, 1989. 3 p. Bibliogr. (Progress notes ; no. 182) *French ed. (Efficacité comparée de l'avion...)* : 90-02460/1.  
MICROLOG 90-01096 1 fiche

While fixed-wing aircraft have been used in wildlife management for over 40 years, their flight characteristics (relatively high cruising speed, minimum flight height, limited manoeuvrability) limit their effectiveness. This note presents the results of a comparison between fixed-wing aircraft and helicopters in surveying an area in the vicinity of Nahanni Butte in the southwest portion of the Mackenzie District, Northwest Territories for trumpeter swan.  
CA EV NO SC

#### Relative humidity measurement for fire danger rating in Canada

by M.D. Flannigan and P.J. Litwin. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1989. v, 10 p. : ill. Bibliogr. (Information report ; PI-X-93) ISSN 0706-1854 ISBN 0-662-17216-7  
MICROLOG 90-00226 1 fiche

Relative humidity (RH), along with temperature, wind speed, and 24-h precipitation, are the inputs for the Canadian Forest Fire Weather Index (FWI) System. The FWI is in use across Canada and, as a result, most provinces have established a network of meteorological stations to collect data. The instruments measuring these variables are not standardized across the country, particularly for RH. Traditionally, RH was calculated by measuring the wet- and dry-bulb temperatures inside a Stevenson screen. Some provincial fire control agencies use non-ventilated screens to calculate RH instead of ventilated screens. Initially, this investigation compared RHs calculated within ventilated and non-ventilated screens, but the study was eventually broadened to compare various instruments and procedures that are in common use for



measuring or calculating RH.

• CA FO SC

#### Relative status of furbearer species in Manitoba's registered trapline area determined through questionnaire analysis, 1988-89

by C.S. Johnson. Winnipeg : Manitoba Natural Resources, Wildlife, Biological Services, 1989. iii, 19 p. Bibliogr. (Manuscript report ; no. 89-17)  
MICROLOG 90-00434 1 fiche

A questionnaire was administered to registered trapline trappers in the 1987/8 trapping season to determine whether a large number of trappers or traplines could be surveyed and if the information returned was reliable and useful. It was concluded that it was and the project was conducted again in the 1988/9 trapping season to determine changes in the furbearing population levels as well as the effectiveness and reception of questionnaires on an annual basis. This report gives the results of the 2nd year questionnaire, based on responses from 15% of registered trappers representing 32% of lines and 66% of registered trapline sections.  
AG MS PR SC

#### Relevé récapitulatif des statistiques de 1986-87

Toronto : Ministère des collèges et universités, 1987. 43, 43 p. *Bilingue* (Statistical summary...). CSI 55103.002. ISSN 0380-4399  
MICROLOG 90-00891 1 fiche

Les données consignées dans ce relevé récapitulatif de statistiques ont été rassemblées à partir d'une variété de documents fédéraux et provinciaux et se rapportent aux étudiants, au personnel et au financement des établissements d'enseignement postsecondaire de l'Ontario subventionnés par la province.  
ED ON PR ST

#### Relever le défi : la réponse du gouvernement au Comité permanent sur le statut de la personne handicapée

Ottawa : Secrétaire d'Etat, Président du Conseil du trésor, 1987. 149 p. *L'éd anglaise* (Accepting the challenge : government's...) sur la même fiche.  
MICROLOG 90-05640 4 fiche

Le 10 décembre 1985, le Premier ministre a annoncé la participation du Canada à la Décennie des personnes handicapées organisée par l'Organisation des Nations Unies. Il a également annoncé une série de principes qui permettent aux Canadiens handicapés d'entretenir des rapports justes et équitables avec leur gouvernement national. Ces principes s'inspirent des efforts déployés par le Comité parlementaire spécial concernant les invalides et les handicapés. Ce rapport donne des renseignements sur les mesures prises par le gouvernement dans le cadre du programme d'équité en matière d'emploi pour ces personnes handicapées.  
CA SA

#### Relever le défi : le changement technologique dans les municipalités canadiennes : une étude sur les ressources humaines

préparé par Coopers & Lybrand : pour la Fédération canadienne des municipalités et le Système de projections des professions au Canada. Ottawa : Emploi et immigration Canada, 1989. vii, 126 p. *L'éd anglaise* (The Challenge of technology...) : 90-00799.2  
MICROLOG 90-00800 2 fiche

Ce rapport est le résultat d'une étude sur le changement technologique et ses conséquences sur les emplois municipaux. Le document examine particulièrement les points suivants: les

municipalités en tant que secteur important de l'économie canadienne; les municipalités qui ont recours à la technologie afin d'améliorer leur rendement en période d'austérité, une nouvelle technologie avec pragmatisme; les conséquences de la technologie sur l'emploi qui sont contraignantes à certains principes bien établis, la cadence d'adoption de la technologie qui dépend des engagements pris par la haute direction et des ressources financières disponibles; et l'expérience des municipalités soulignant le besoin en planification stratégique pour mettre en place la nouvelle technologie.  
CA LA MU PS SC

#### Relever le défi : stratégies de réussite pour les écoles du Manitoba

Winnipeg : Education et formation professionnelle Manitoba, 1990. 37, 35 p. *Bilingue* (Answering the challenge...).  
MICROLOG 90-07215 1 fiche

L'école secondaire a pour but de fournir aux élèves les connaissances, les aptitudes, le degré de confiance et les valeurs dont ils auront besoin pour réussir dans la vie et contribuer utilement à la progression de la société. Ce document sert à établir le plan d'avenir pour l'éducation secondaire y compris la mesure et l'évaluation des élèves et du processus éducationnel au cours de la prochaine décennie. Quelques-uns des concepts clés énoncés dans le présent document portent sur les changements pédagogiques, les objectifs généraux, les principes d'un programme de qualité pour les écoles secondaires et sur les stratégies proposées afin de bien effectuer les changements prévus. Les attentes de la société face au système scolaire y sont aussi adressées. Les lignes directrices, telles que proposées, sont le résultat d'un processus de revue approfondi et reflètent la participation de tous les intervenants au processus scolaire tels les parents, les éducatrices et éducateurs, les établissements postsecondaires, les entreprises ainsi que l'industrie.  
ED MS PR

#### Relever le défi du changement : prise de position conjointe des ministres responsables de la main-d'oeuvre

Conférence provinciale-territoriale des ministres responsables des questions relatives au marché du travail (1989 : Toronto, Ont.).  
Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 9, 9 p. *Bilingue* (Meeting the adjustment challenge).  
MICROLOG 90-00126 1 fiche

Document portant sur la nécessité d'adopter une stratégie afin de s'adapter aux changements en ce qui a trait à la main-d'oeuvre. On y donne des renseignements sur la réponse du public, l'action des provinces pour s'adapter aux changements, et la nécessité d'un engagement fédéral.

• CA LA

#### Le Remblayage des mines de potasse au Nouveau Brunswick, 2e phase : sommaire du rapport final

Mraz Project Consultants Ltd. Sussex, N.-B. : Denison-Potacan Potash Company, 1990. 40 p. : ill., cartes géogr. Bibliogr. *CANMET contract: 79228-01-SQ*.  
MICROLOG 90-05646 1 fiche

Répondant à une demande de propositions, au mois de juillet 1985, une soumission pour un projet de recherche par DPPC fut envoyée au Ministre d'Approvisionnement et Services, ayant le titre l'Utilisation du remblayage dans les mines de potasse du Nouveau-Brunswick. Le but du projet est la recherche sur les méthodes d'emplacement et le comportement des résidus de l'usine d'extraction en supposant que le remblayage supporte les chambres et stabilise la mine entière. Ce document étudie

la question et en présente un rapport final.

• AP CA CM NR PS SC

#### Remeasurement of TH-230 in the porewater of Lacnor tailings

by W.J. Snodgrass and D.R. Hart. Ottawa : Atomic Energy Control Board, 1990. iv, 157 p. ill. Bibliogr. (Research report ; INFO-0353)  
MICROLOG 90-07093 2 fiche

A resampling of the Lacnor tailings management area was undertaken under a comprehensive quality assurance program to establish levels of thorium 230 in pore water. A quality assurance program was established for field sampling, sample handling and transport, and laboratory procedures and reporting. The external audit was used to evaluate analytical bias (on synthetic and field samples) and precision (by comparison of duplicate-duplicate results). Accuracy was assessed using synthetic samples. A qualitative interpretation of the controls on thorium 230 geochemistry is provided in terms of control by thorium 232 and thorium dioxide(c) solid phase. Generic dose estimates for consumption of water containing thorium 230 are made but require refinements to account for the actual pH of the drinking water and the degree of dilution of the pore water.  
CA EV ON SC

#### Rendement des appareils de chauffage au bois

par A.C.S. Hayden. Ottawa : Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires de recherche sur l'énergie, 1988. iii, 30 p. : ill. Bibliogr. (Rapport ; ERP,ERL 78-82F(TR)(OP)) *Préparé pour le cours sur le chauffage au bois de l'Institut canadien de l'énergie du bois*.  
MICROLOG 90-04678 1 fiche

Cet ouvrage porte sur les quatre méthodes utilisées pour le rendement des appareils de chauffage au bois (méthode de calcul simplifié des pertes de chaleur, méthode de calcul de la production de chaleur, méthode de calcul continu des pertes instantanées de chaleur et méthode de comparaison sur place avec un système connu)  
• CA CM EN FO SC

#### René Brunelle Provincial Park : management plan

Toronto : Ministry of Natural Resources, 1989. 10 p. : maps. Bibliogr. ISBN 0-7729-4542-X  
MICROLOG 90-03400 1 fiche

René Brunelle Provincial Park consisting of 2900 hectares, is situated thirteen kilometres north of Moon beam, on the north and east shores of Remi Lake. This Plan provides the official policies for resource management, operation and development of the Park.  
CU ON PR

#### Renewable energy projects digest, 1985-88 : passive solar

Ottawa : Energy, Mines and Resources Canada, 1988. 61 p. : ill. ISBN 0-662-16489-X  
MICROLOG 90-01226 1 fiche

This digest is one of a series of 6 reports which review and update all the current and completed renewable energy (non-bioenergy) projects funded by Energy, Mines and Resources Canada (EMR). This report includes a brief historical and technical account of passive solar technology in Canada and contains over 40 summaries of passive solar projects funded by EMR. Each project entry, in addition to the summary, includes the principal investigator, file numbers, contract start data and completion date, project values, and EMR funding. A key-word index is included.  
• CA EN SC



# **Renovating the foundation : proposals for a Model Land Recording and Registration Act for the provinces and territories of Canada**

S.I. : Joint Land Titles Committee, 1990. iv, 135 p. ISSN 0317-1604 ISBN 0-8886-4162-1  
MICROLOG 90-07240 2 fiche

This report, and the model act which embodies its proposals, have been prepared by a Committee consisting of land registration officials from Alberta, B.C., Manitoba, the Council of Maritime Premiers, NWT, Ontario, Saskatchewan and the Yukon. The project aimed to make title registration systems more efficient and enable users to use them more easily and more confidently, and to harmonize the title registration laws in Canada. The report describes the model act and its scope, as well as the proposed system, and includes some specific matters affecting rights of ownership. The model act is presented in 7 parts, covering interpretation, application and purposes, general matters; registers; recording; registration; interests overriding register; and compensation.

• CA PA PL SC

# **Rental housing trends in the City of Vancouver**

by J.D. Hulchanski. Vancouver, B.C. : University of British Columbia, Centre for Human Settlements, 1989. 8 p. Bibliogr. (CHS research bulletin) ISSN 0843-7882  
MICROLOG 90-00388 1 fiche (Available on fiche only)

Discusses the existing rental stock; the loss of existing rental units; rental housing trends; the supply of new social housing units, the supply of new private rental units, the impact of removing rent controls in 1983; and policy options.

BC MU SA

# **La Répartition des crédits additionnels octroyés aux universités en 1989-90**

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1990. i, 19 p. Bibliogr. (Avis ; no 89.9) ISSN 0709-3985 ISBN 2-550-20575-8  
MICROLOG 90-03611 1 fiche

Le 21 décembre 1989, le Ministre de l'Enseignement supérieur et de la Science sollicitait, selon les prescriptions de la loi, l'avis du Conseil des universités sur la répartition des crédits additionnels à octroyer pour l'année 1989-90. Ce document présente les principales composantes de la répartition projetée; la correction des bases de financement (19 millions \$); le financement des coûts indirects de la recherche (21 millions \$); et, la subvention pour l'excellence et l'économie (15 millions \$).

ED PR QU

# **Le Repérage des ressources éducatives extrascolaires dans la région du Québec métropolitain**

par T. Bergeron. Québec : Gouvernement du Québec, Ministère de l'éducation, Direction générale de la recherche et du développement, 1989. iii, 139 p. Bibliogr. (Etudes et analyses) En tête du titre: Recherche et développement. ISBN 2-550-14799-5  
MICROLOG 90-02475 2 fiche

Ce document donne la présentation du projet de recherche, la méthodologie, l'analyse des données, l'interprétation de l'exploration, et le suivi de l'exploration menée dans le Québec métropolitain.

ED PR QU

# **Répercussions du changement climatique sur le parc national de Prince Albert, Saskatchewan**

par Geoffrey Wall ; sommaire d'une thèse de maîtrise présentée par Jacqueline Vetsch. Ottawa : Environnement Canada, 1989. 9, 8 p. : ill. Bibliogr. (Sommaire du changement climatique ; SCC 89-03) *Bilingue* (Implications of climatic...). ISSN 0835-3980 ISBN 0-662-56815-X  
MICROLOG 90-05248 1 fiche

Ce numéro donne les résultats sommaires d'une étude indépendante soumise comme thèse de maîtrise ès arts à l'Université de Waterloo en 1986. L'étude de cas s'est concentrée sur les répercussions éventuelles du changement de climat pour le parc national de Prince Albert, en Saskatchewan.

CA CU EV MS SC

# **Répercussions du changement de climat sur les petites localités côtières de la région de l'Atlantique au Canada**

par P. Stokoe...et al. Ottawa : Environnement Canada, 1990. 15, 14 p. (Sommaire du changement climatique ; SCC 90-01) *Bilingue* (Implications of climate change...). ISSN 0835-3980 ISBN 0-662-57457-5  
MICROLOG 90-06619 1 fiche

Ce numéro donne les résultats de la deuxième partie d'une étude sur l'évaluation des conséquences physiques et écologiques du changement climatique sur le milieu marin et l'économie de la région de l'Atlantique au Canada. La première partie examine les répercussions du changement climatique sur cinq secteurs principaux: la pêche, les transports maritimes, l'exploitation de l'énergie, l'infrastructure côtière, le tourisme et les loisirs. Le rapport élargit sur les effets éventuels sur la pêche et l'aquaculture et présente les vulnérabilités potentielles de quelques localités dans la région de l'Atlantique.

AP CA EV FI SC

# **Répertoire : classification des films vidéo, 1985-89**

Toronto : Ministère de consommation et du commerce, Commission de contrôle cinématographique, 1990. 53 p. *Bilingue* (Video classification...).  
MICROLOG 90-05595 1 fiche

Ce document constitue un répertoire de la classification des films vidéos. Les items sont classifiés par titre de film; par classification (accompagnement adulte, surveillance parentale recommandée, réservé aux adultes, etc...); par minutes; et par motifs (déconseillé aux enfants, langage grossier, etc...).

CU ON PR

# **Répertoire d'essais**

par K. Seifried. Ottawa : Travaux publics Canada, Services d'architecture et de génie, 1988. v, 17, v, 17 p. (Série sur l'évaluation du rendement des immeubles ; Document B1) *Bilingue* (Catalogue of tests).  
MICROLOG 90-02180 1 fiche

Ce répertoire constitue une partie d'une série de documents groupés en catégories intitulée Série sur l'évaluation du rendement des immeubles. Ces documents rédigés par la Division du rendement des immeubles de Travaux publics Canada visent à faire connaître les méthodes d'évaluation du rendement des immeubles qui correspondent au résultat de la performance de ceux-ci dans les trois zones de rendement: environnement et énergétique, fonctionnel, et systèmes et matériel.

CA PL PW SC

# **Répertoire de programmes de sécurité du revenu au Canada, janvier 1988**

Ottawa : Santé et bien-être social Canada,

1989. xi, 263 p. : ill. L'éd. anglaise (Inventory of income security...) : 90-01372/3  
CSI 21112.005F. ISSN 0833-3483 ISBN 0-662-95567-6  
MICROLOG 90-01373 3 fiche

Ce rapport est le quatrième de la série intitulée 'Répertoire de programmes de sécurité du revenu au Canada'. Comme dans les éditions précédentes, on y retrouve des descriptions et des statistiques récapitulatives de quelque 100 programmes fédéraux, provinciaux et municipaux d'aide financière aux Canadiens. Le document fournit un résumé de tous les programmes inscrits dans ce rapport, par compétence et genre de programme. Les descriptions portent sur les programmes tels qu'ils existaient au 1er janvier 1988, tandis que les données statistiques visent l'exercice financier 1986-87.

CA CO SA ST

# **Répertoire de projets en technologie minière, 1989**

par R.T. Blake, R. Boyle et S. Bezeau. Ottawa : Énergie, mines et ressources Canada, Centre canadien de la technologie des minéraux et de l'énergie, 1990. vii, 255 p. (Publication spéciale de CANMET ; SP 89-8F) L'éd. anglaise (Index of mining technology...) : 90-03366/3. ISBN 0-662-95988-4  
MICROLOG 90-06015 3 fiche (Available on fiche only)

Ce répertoire contient des renseignements sur les projets de recherche et de développement actuellement réalisés par des sociétés minières, des universités, ainsi que des organismes des gouvernements fédéral et provinciaux et du secteur privé. A chaque année, on demande aux participants de mettre à jour les renseignements et, par la même occasion, on tente de dépister de nouveaux participants dans tous les secteurs de l'industrie minière. Dans la première partie du répertoire, les projets sont regroupés par organismes tandis que dans la deuxième partie, ils le sont par sujet.

CA CM NR PS SC

# **Répertoire de projets sur le traitement des minéraux, 1989-90**

par N.D. Loucks et D.M. Doyle. Ottawa : Énergie, mines et ressources Canada, Centre canadien de la technologie des minéraux et de l'énergie, Laboratoires des sciences minérales, 1990. vi, 97 p. (Publication spéciale de CANMET ; SP 90-1) *Bilingue* (Index of mineral processing...). ISBN 0-660-55792-4  
MICROLOG 90-05993 2 fiche (Available on fiche only)

Cette deuxième édition du répertoire fait état de projets présentés par divers organismes. Ces projets ne représentent qu'une partie des activités effectuées au pays en vue de développer de nouvelles technologies ou d'améliorer les techniques minéralurgiques existantes. La disposition de l'information dans le répertoire permet d'obtenir les renseignements suivants sur les travaux exécutés par certains entrepreneurs en particulier: la région géographique particulière; le produit de base spécifique; la catégorie opérationnelle déterminée, et, toute combinaison des sujets susmentionnés.

CA CM NR PS SC

# **Répertoire de références en technologies propres**

par Industrie Information du Centre de recherche industrielle du Québec ; pour le Bureau de coordination de la recherche et du développement en environnement et le Bureau de coordination de la stratégie industrielle, Ministère de l'environnement du Québec. Québec : Gouvernement du Québec,



Ministère de l'environnement, Bureau de coordination de la recherche et du développement en environnement, 1989. 283 p. : ill. Bibliogr. ISBN 2-550-19823-9 MICROLOG 90-01869 4 fiche

Cette recherche des technologies propre porte essentiellement sur les secteurs industriels visés par le Programme de réduction des rejets industriels (PRRI) du Ministère, soit, chimie inorganique, chimie organique, métallurgie, mines, pâtes et papiers, pétrole, et revêtement de surface. Le document se veut un répertoire de références sur les technologies propres disponibles ou en développement. La description des procédés y est donc faite à titre indicatif.  
EV PR PS QU SC

#### Répertoire de techniciens et de technologistes d'ingénierie accrédités au Manitoba

Dalcor Innovations Ltd. Ottawa : Emploi et immigration Canada, Direction des perspectives du marché du travail et de l'analyse structurelle, 1987. 76 p. L'éd anglaise (*Occupational inventory of...*) : 90-00698/1. MICROLOG 90-00699 1 fiche

Le projet d'élaboration de données de la 'Manitoba Society of Certified Engineering Technicians and Technologists' (MANSCETT) est un projet pilote qui vise à mieux faire comprendre l'offre et la demande de techniciens et de technologistes d'ingénierie et leur rôle. Le projet comprend de nombreux renseignements, dont notamment: l'établissement de questionnaires d'enquête et les résultats d'une enquête postale auprès des membres de la profession; l'établissement d'un répertoire informatisé des membres de la profession au Manitoba, qui fournit des données biographiques, démographiques et géographiques, des renseignements sur les études effectuées et sur l'emploi ainsi que les caractéristiques de la profession et de l'industrie, la rédaction d'un rapport sur le projet d'élaboration de données, qui contient des recommandations et la méthodologie; et, la rédaction d'un bref rapport distinct exposant dans ses grandes lignes l'évolution technologique au Manitoba et au Canada et ses répercussions sur les membres de la MANSCETT.  
CA LA MS PS SC

#### Répertoire des écoles du secteur francophone et renseignements statistiques par école, 1988-90

Fredericton : Ministère de l'éducation, Service de statistiques et de la recherche, 1990. 35 p. CSI 45104.008. MICROLOG 90-06552 1 fiche

Ce document se veut à la fois un répertoire des écoles publiques du secteur francophone et un recueil d'informations statistiques relatives à l'effectif scolaire par école et par niveau d'enseignement. Les tableaux au début de la publication donnent de l'information statistique sur les inscriptions, le nombre d'enseignants équivalents à temps plein et le nombre d'écoles par niveau. La principale partie de ce document comporte les listes des écoles du secteur francophone. Une carte des districts scolaires y figure également. Finalement, les écoles de chaque district sont énumérées en fonction du numéro de l'école.  
AP ED PR ST

#### Répertoire des employés supérieurs (hors cadre) des Ministères du gouvernement du Québec, 1867-1983

par J. Bourgault. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1984. 57 p. (Bibliographie et documentation ; 16) ISBN 2-551-06057-5 MICROLOG 90-02054 1 fiche

Ce répertoire constitue, avec d'autres matériaux, tels le curriculum vitae et les quelques 150 entrevues réalisées de 1970 à 1981, la matière première de cette recherche. Le répertoire présente donc plus de 7 000 informations sur 484 personnes qui ont été l'objet de 842 nominations de sous-ministres, de sous-ministre associé et de sous-ministre adjoint entre le 1er juillet 1867 et le 8 novembre 1983. Le but du répertoire est de dresser une liste de ces postes.  
PA PR QU

#### Répertoire des établissements menant des opérations minières au Québec, 1988

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service de la statistique, 1988. v. 320 p. MICROLOG 90-03642 4 fiche

Le Répertoire vise à informer les personnes intéressées sur les entreprises actives dans l'industrie minière québécoise en 1988. Cette publication propose la liste de toutes les entreprises qui, selon les relevés du ministère de l'Énergie et des Ressources, exercent des activités dans le secteur minier au Québec. Il comprend trois sections: la production, les investissements miniers et le forage au diamant.  
NR PR PS QU SC

#### Répertoire des groupes de femmes du Québec, 1987-88 : associations provinciales et associations régionales et locales par région administrative

Québec : Gouvernement du Québec, Conseil du statut de la femme, 1988. 219 p. ISBN 2-550-18536-6 MICROLOG 90-01673 3 fiche

En octobre 1976, le Conseil du statut de la femme créait la Direction Consult-Action (dont les principales fonctions sont l'animation, la coordination et la consultation) pour assurer une liaison avec et entre les groupes de femmes du Québec et faciliter des actions communes ou complémentaires. Ce répertoire se veut un outil de référence destiné à favoriser une meilleure connaissance des groupes de femmes. Dans ce répertoire, les associations ont été regroupées selon leur palier d'intervention.  
PR QU SA

#### Répertoire des institutions, 1990 : l'accès à l'information et la protection de la vie privée

Toronto : Secrétariat du Conseil de gestion, Direction de l'accès à l'information et de la protection de la vie privée, 1990. 39, 33 p. Bilingue (*Directory of institutions...*). CSI 56277.003. ISSN 0845-096X MICROLOG 90-04135 1 fiche

Ce répertoire comprend une liste alphabétique des ministères et organismes régis par la loi. Pour chacun d'eux, les renseignements suivants sont fournis: le nom et la fonction de la personne responsable du ministère ou de l'organisme; le titre, l'adresse et le numéro de téléphone de la personne-ressource au sein de chaque ministère ou organisme qui aidera les particuliers à présenter une demande en vertu de la loi et le lieu où cette demande doit être déposée; et, l'emplacement de la salle de lecture pour la consultation de manuels et d'autres renseignements.  
JU ON PR

#### Répertoire des municipalités, 1990

Toronto : Ministère des affaires municipales, 1990. xl, 357 p. cartes géogr. Bilingue (*Municipal directory, 1990*). CSI 55115.002 ISSN 0318-0743 MICROLOG 90-06059 5 fiche

Ce répertoire fournit des renseignements pratiques et mis à jour relatifs aux

représentants municipaux élus et nommés. Il contient des renseignements sur les municipalités (communauté urbaine, municipalités régionales et municipalité de district); des tableaux récapitulatifs des statistiques (population, foyers et municipalités de palier inférieur et supérieur, classés par municipalité de palier et par district); les autres fonctionnaires municipaux, et, des renseignements supplémentaires sur les associations municipales, commissions de routes et de corvées, conseils, bureaux, sociétés et ministères du gouvernement de l'Ontario; et, membres de l'Assemblée législative.  
ON PA PR ST

#### Répertoire des offices de commercialisation au Canada, 1988

Toronto : Agriculture Canada, Direction générale du développement agricole, Direction de la production et de la commercialisation des produits agricoles, 1989. 31 p. Bilingue (*Directory of agricultural...*). Les changements, 1989 (16 p.) inclus CSI 22102.003. MICROLOG 90-04143 1 fiche

Ce répertoire fournit des renseignements sur les offices de commercialisation au Canada. Les données sont présentées par organismes coordinateurs, par province et par produits. Dans chaque cas on donne le nom de la commission, le nom du directeur, le poste, l'adresse, le numéro de téléphone, et le numéro de télécopieur.  
AG CA CO SC

#### Répertoire des organisations de travailleurs et travailleuses au Canada, 1989

Ottawa : Bureau de renseignements sur le travail, 1989. xx, 254 p. Bilingue (*Directory of labour...*). CSI 21114.004. ISBN 0-662-55431-0 MICROLOG 90-03583 3 fiche

Ce Répertoire présente un compendium, de données sur les syndiqués et les syndicats, centrales syndicales et autres organisations de travailleurs. On y trouve des listes alphabétiques des organismes syndicaux, les noms et adresses des principaux dirigeants, le titre des publications syndicales, la date des congrès à venir et la répartition géographique des sections locales syndicales au Canada.  
CA LA

#### Répertoire des programmes et activités fédéraux-provinciaux, 1989-90

Ottawa : Bureau des relations fédérales-provinciales, 1990. ix, 332 p. L'éd. anglaise (*Federal-provincial programs...1989-90*) : 90-05832/4 CSI 22144.001F. ISSN 0823-9193 ISBN 0-662-96110-2 MICROLOG 90-05833 4 fiche

Ce répertoire fournit les renseignements les plus récents sur les programmes à frais partagés et les activités entreprises conjointement par les deux paliers de gouvernement. Cette édition comprend deux nouveaux chapitres Forêts Canada et Industrie, Sciences et Technologie Canada. Il décrit de façon générale les programmes et activités fédéraux-provinciaux qui sont en vigueur durant l'année financière 1989-1990, et fournit des renseignements essentiels à leur égard et indique à qui s'adresser, au gouvernement fédéral, pour obtenir de plus amples renseignements sur ces programmes.  
CA PA PR

#### Répertoire des publications et des vidéos à l'intention des constructeurs : document provisoire

Scanada Consultants Limited. Ottawa : Société canadienne d'hypothèques et de logement, 1988. 100 p. MICROLOG 90-05770 2 fiche

Ce document est destiné à aider les



constructeurs d'habitations à résoudre leurs problèmes techniques et à améliorer leurs connaissances et compétences techniques. Il comprend des listes résultant d'un tri exhaustif des publications et vidéos courantes. Elles sont regroupées selon leur sujet principal et indiquent où se procurer les publications ou vidéos.

CA PL SC

### Répertoire des renseignements personnels, 1989-90

Gouvernement du Canada, Loi sur la protection des renseignements personnels. Ottawa : Approvisionnement et services Canada, 1989. x, 624 p. *L'éd. anglaise (Index to personal information...)* : 90-02244/7. ISBN 0-662-95694-X  
MICROLOG 90-02245 7 fiche

Publié annuellement, le répertoire des renseignements personnels fournit une description courante des renseignements personnels conservés par les institutions du gouvernement fédéral (ministère, organismes et sociétés d'Etat) visées par la Loi. Le répertoire décrit tous les renseignements personnels recueillis dans le cadre des programmes du gouvernement. Il contient les grandes parties suivantes: les fichiers ordinaires concernant les employés fédéraux; les index par sujets, les renseignements personnels détenus par les institutions, des informations de base sur l'institution concernée; une section indiquant l'adresse à laquelle on devrait faire parvenir sa demande officielle; la description des fichiers de renseignements personnels conservés par l'institution, notamment l'objet de la collecte des renseignements, leur utilisation, leur communication à d'autres institutions ainsi que leur période de conservation; et, l'indication que les renseignements concernent soit le grand public, soit les employés fédéraux.

CA JU

### Répertoire des services offerts aux personnes handicapées au Nouveau-Brunswick, 1990 -- 7e éd.

Nouveau-Brunswick, Conseil du Premier ministre sur la condition des personnes handicapées. Fredericton : le Conseil, 1990. ii, 127 p. *L'éd. anglaise (Directory of Services...)* : 90-06088/2 CSI 46147.001F. ISSN 0833-5621  
MICROLOG 90-06089 2 fiche

Le Conseil du Premier ministre sur la condition des personnes handicapées présente cette septième édition qui inclut tous les nouveaux services, ainsi que tous les changements dans les services et dans les programmes déjà énumérés, qui ont été signalés au cours de la dernière année. Le document fournit également une liste descriptive des services et programmes offerts par des organismes sans but lucratif ou par le gouvernement aux personnes handicapées de la province.

AP PR SA

### Répertoire des sources de financement de la recherche en santé au Canada, 89

Ottawa : Santé et bien-être social Canada, Direction générale des services et de la promotion de la santé, Direction des programmes de recherche extra-muros, 1989. 56 p. *L'éd. anglaise (Reference guide of funding...)* : 90-05336/1. En tête du titre: *Programme national de recherche et de développement en matière de santé.*  
MICROLOG 90-05333 1 fiche

Ce répertoire contient des données sur la plupart des organismes (fédéraux, provinciaux, privés et étrangers) qui financent la recherche en santé au Canada. On y donne les renseignements suivants pour chaque organisme: adresse, intérêts (priorités), catégories de programmes, dépenses, critères

d'admissibilité, restrictions d'ordre géographique et précisions sur la demande d'aide. Ces données ont été recueillies, en 1989, au moyen d'une enquête téléphonique ou postale.  
• CA CO HE LS SC

### Répertoire des termes de la législation et des politiques et directives provinciales à l'usage du planificateur -- 6e éd.

Ontario. Ministère des affaires municipales. Direction des programmes. Toronto : la Direction, 1989. 86, 79 p. *Bilingue (A Planner's reference...)*. ISSN 0825-9739  
MICROLOG 90-03792 2 fiche

Ce manuel de référence a pour but d'aider à trouver des renseignements sur la législation pertinents à l'urbanisme. Il fournit le sujet, la référence, la description et les remarques.

ON PA PR

### Répertoire des usines de pâtes et papiers au Québec

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Division des études industrielles, Direction du développement industriel, 1989. ix, 63 p. Bibliogr. ISBN 2-550-20204-X  
MICROLOG 90-03854 1 fiche

La première partie du répertoire est réservée à la description des produits fabriqués par les usines québécoises de pâtes et papiers. Dans la seconde partie, on trouve les coordonnées de chaque usine ainsi que les produits qu'elle fabrique, sa capacité de production et le nombre d'employés. La troisième partie porte sur les compagnies propriétaires des usines de pâtes et papiers alors que la quatrième énumère les organismes et entreprises québécoises qui effectuent de la recherche dans le domaine des pâtes et papiers. Enfin, la cinquième partie contient une grille 'fabricants-produits' qui permet d'identifier quelles usines fabriquent un produit particulier.

CO FO PR QU SC

### Répertoire des usines québécoises de placages, de contre-plaques et de panneaux agglomérés à base de bois

par R. St-Pierre et G. Gervais. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Direction du développement industriel, 1989. ii, 33 p. ISBN 2-550-20271-6  
MICROLOG 90-02797 1 fiche

Les cinq sections principales de ce répertoire se composent comme suit: une présentation des coordonnées des usines et des produits qui y sont fabriqués; une présentation des sièges sociaux des entreprises mentionnées dans la première partie, lorsque les coordonnées diffèrent de celles des usines; la répartition des entreprises selon les produits fabriqués; la liste des principales associations sectorielles; et, la liste des centres de recherche spécialisés oeuvrant dans ce domaine au Canada.

CO FO LA PR QU SC

### Répertoire du ministère de la Justice

Canada. Ministère de la justice. Ottawa : le Ministère, 1989. 53, 51 p. *Bilingue (Guide to the organization...)*. ISBN 0-662-56470-7  
MICROLOG 90-05566 2 fiche

Ce répertoire contient des renseignements généraux sur l'organisation du ministère de la Justice; il indique les principaux services, leurs fonctions et activités premières, les postes qui en font partie et le nom des personnes qui les occupent.

• CA JU

### Répertoire du personnel politique québécois, 1867-1985 -- 2e éd.

par P. Drouilly et R. Cousineau. Québec : Bibliothèque de l'Assemblée nationale, Division

de la recherche, 1986. ix, 668 p. (Bibliographie et documentation, 11) ISBN 2-551-06596-8  
MICROLOG 90-02070 7 fiche

On trouvera dans ce volume, par ordre alphabétique, le nom de tous les candidats parlementaires à l'Assemblée nationale et à la Chambre des communes du Canada de 1867 à 1985, ainsi que ceux de tous les sénateurs québécois et conseillers législatifs pour la même période, de même que ceux des lieutenants-gouverneurs du Québec originaires du Québec. Ce répertoire contient plus de 9 000 personnes et, pour chacune d'elles, on trouvera, par ordre chronologique, la date de toutes les candidatures, élections ou nominations, le niveau politique (provincial ou fédéral, élections générales ou partielles, Sénat ou Conseil législatif), l'affiliation politique de ces personnes ainsi que la circonscription électorale dans laquelle ces personnes ont été candidates ou la division législative pour laquelle elles ont été nommées sénateur ou conseiller législatif.

CU PA PR QU

### Répertoire géographique du Canada : Ile-du-Prince-Edouard -- 3e éd.

Ottawa : Comité permanent canadien des noms géographiques, 1990. xvi, 36 p. : cartes géogr. *Bilingue (Gazetteer of...)*. Cartes géogr. plantes non filmées. ISBN 0-660-54845-3  
MICROLOG 90-04996 1 fiche

Cette troisième édition du Répertoire sur l'Ile - du-Prince-Edouard remplace et annule l'édition de 1973; elle renferme presque 2 500 noms géographiques. Quelques 1 900 noms désignant des agglomérations, des cours d'eau, des lacs et d'autres entités culturelles et naturelles y figurent également. Elle contient en outre des noms abrogés ainsi que des noms approuvés par le passé, assortis de renvois permettant de connaître leur forme actuelle.

AP CA PS SC

### Répertoire géographique du Canada : Nouvelle-Ecosse -- 2e éd.

Ottawa : Comité permanent canadien des noms géographiques, 1977. xiv, 477 p. *Bilingue (Gazetteer of Canada...)*. ISBN 0-660-01674-5  
MICROLOG 90-00002 6 fiche

Le répertoire géographique de la Nouvelle-Ecosse contient environ 31 700 noms de lieux habités et de détails physiques dont presque la moitié constitue des additions ou des modifications apportées à l'édition précédente. Le répertoire contient non seulement les noms des lieux habités, mais aussi les noms des rivières, des lacs et d'autres détails naturels ou culturels approuvés par le Comité permanent canadien des noms géographiques.

• AP CA PS SC

### Répertoire géographique du Canada : Terre-Neuve -- 2e éd.

Ottawa : Comité permanent canadien des noms géographiques, 1983. xvi, 196 : cartes géogr. *Bilingue (Gazetteer of Canada...)*. Cartes géogr. plantes non filmées. ISBN 0-660-52191-1  
MICROLOG 90-00013 3 fiche

Volume contenant les noms d'environ 23 000 endroits et accidents géographiques de la province de Terre-Neuve, y compris le Labrador. On y mentionne aussi les noms de divers accidents géographiques sous-marins situés près des côtes de Terre-Neuve. Le répertoire révèle également l'emplacement exact d'agglomérations aux noms aussi dignes de curiosité que: Come By Chance, Little Heart's Ease, Mose Ambrose, et d'accidents géographiques tels que Sly boots (rocher), la baie des Ha Ha, la pointe Harbour My God, File Nogood et le bras de mer Toogood.

AP CA PS SC



## Répertoire géographique du Canada : Territoires du Nord-ouest

Ottawa : Comité permanent canadien des noms géographiques, 1980. xlv, 184 p. : cartes géogr. *Bilingue* (Gazetteer of Canada...). Cartes géogr. pliantes non filmées. ISBN 0-660-50466-9  
MICROLOG 90-00014 3 fiche

La présente édition constitue la première consignation complète des noms géographiques officiels des Territoires du Nord-Ouest. Le volume contient plus de 11 000 noms répartis sur deux listes alphabétiques: les noms des agglomérations et des localités, et les noms des éléments physiques et culturels des Territoires. On y trouve également des noms indiens, inuit, norvégiens, français, anglais et écossais reflétant ainsi l'histoire des Territoires.  
• CA NO PS SC

## Répertoire industriel : région du Restigouche, 1989

Campbellton, N.-B. Commission industrielle du Restigouche Inc., 1989. 68 p. *L'éd. anglaise* (Industrial directory : Restigouche...) : 90-00261/1  
MICROLOG 90-00260 1 fiche

Ce répertoire industriel fut établi en utilisant le manuel de Classifications Economiques, (Bureau fédéral de la statistique). Il facilite la tâche des gens qui désirent faire affaire avec des entreprises du Restigouche et informe les entrepreneurs locaux des produits fabriqués et distribués dans la région pour encourager les échanges commerciaux à l'intérieur du Comité. Les firmes y sont classées selon la Classification Type de l'Industrie et sont énumérées par ordre alphabétique.  
AP CO PR

## Répertoire thématique des rapports finals de recherche et des subventions, 1986-88

par R. Gilbert...et al. Québec : Conseil québécois de la recherche sociale, 1989. viii, 159 p. ISBN 2-550-19922-7  
MICROLOG 90-02531 2 fiche

Le répertoire thématique vise à mettre en valeur les recherches en cours, de manière à faciliter la communication entre les chercheurs et les personnes intéressées par leurs travaux, sans attendre les rapports finals de recherche. Il vise aussi à donner un outil complet de référence sur les subventions recommandées par le Conseil dans le cadre d'un système d'information scientifique. L'ouvrage fait suite à six répertoires publiés par le Comité de la recherche socio-économique et par le Conseil québécois de la recherche sociale. Le rapport comprend trois parties: le répertoire des 'Rapports finals de recherche' soumis au Conseil du 1er avril 1986 au 31 mars 1988, le répertoire des 'Nouvelles subventions' recommandées en 1986-87 et en 1987-88, et, le répertoire des 'Recherches en cours, en retard ou non poursuivies'.  
CO PA PR QU

## Réponse aux recommandations de l'Examen du Programme d'aide aux étudiants du niveau postsecondaire

Ottawa Affaires indiennes et du Nord Canada, 1989. 8, 8 p. *Bilingue* (Response to the review...). ISBN 0-662-57029-4  
MICROLOG 90-04217 1 fiche

Depuis le début des années 70, le gouvernement du Canada accorde une grande priorité à la prestation d'un soutien aux Indiens et aux Inuit souhaitant poursuivre des études postsecondaires. Dans le cadre de discussions bilatérales, des recommandations pour l'apport de changements à court terme ont été présentées et neuf changements précis à la

Politique ont été annoncés le 12 septembre 1989. Des réponses précises sont données à chacune de ses recommandations.  
CA ED NP

## Report and recommendations of the 1989 Commission on Judges' Salaries and Benefits

Canada. Commission on Judges' Salaries and Benefits. Ottawa : The Commission, 1990. 45, 50 p. *Bilingue* (Rapport et recommandations...juges...). ISBN 0-662-57343-9  
MICROLOG 90-03928 2 fiche

Provides a discussion of the review process, judicial salaries, the salary differential between the County and District Courts and the Superior Courts, indexation of judges' salaries, allowance for Northern judges, representational allowance, conference allowance, judicial annuities, former Chief Justices serving as supernumerary or puisne judges, and taxation of new judges.  
CA JU

## Report and recommendations of the Alberta Environmental Impact Assessment Task Force

Alberta Environmental Impact Assessment Task Force. Edmonton : The Task Force, 1990. 41 p.  
MICROLOG 90-03511 1 fiche

This document describes the work of the Task Force, and includes the Task Force recommendations. It provides a definition of the environment and of the public, and includes information on Environmental Impact Assessment Legislation  
AL CI EV PR

## Report and recommendations on the Nova Scotia Power Corporation Point Aconi Generating Station

by W.A. Coulter. Halifax : Dept. of the Environment, 1990. 18 p.  
MICROLOG 90-04599 1 fiche

The Nova Scotia Power Corporation registered its proposed 150 MW coal-fired, circulating fluidized bed generating station in 1989. The station was later increased to 165 MW capacity. The environmental assessment process was followed, with public meetings held for one day in January 1990. A technical review was coordinated with federal and provincial government agencies. This report provides a description of the project; a discussion of the issues of technology, air quality, the circulating water system, the fresh water supply, ash disposal, liquid wastes, beach access, transportation, impacts on bird populations, and archeological/paleontological impacts, and conclusions and recommendations for community consultation, monitoring, operational requirements and contingency plans.  
AP EN EV PR SC

## Report and recommendations on Winnipeg taxicab service and regulation

Winnipeg : Taxicab Board, 1990. 114 p. Bibliogr.  
MICROLOG 90-04992 2 fiche

The Taxicab Board is a 5-member independent administrative tribunal established to administer a system of economic regulation of the taxi industry in the City of Winnipeg. The Board has been involved in extensive consultations with interested parties since August 1988 on issues relating to industry structure and financial position, the quality and conditions of vehicles in service, the adequacy of the existing limit on the number of licences, the feasibility of wheelchair accessible taxis and the appropriateness of Board regulation of services restricted to the handicapped. Public hearings were held in January and February 1989.

economic research was done and a number of individuals were consulted. This report summarizes the work and presents recommendations.  
MS PR SC TR

## Report and recommendations regarding the Environmental Assessment Report for the proposed Point Aconi electrical generating station

Halifax : Environmental Control Council, 1990. x, 105 p. Bibliogr.  
MICROLOG 90-03279 2 fiche

The Nova Scotia Power Corp. (NSPC) announced plans to build a 165 MW generating station at Point Aconi, on Boularderie Island, Cape Breton, based on a requirement for new generating capacity. NSPC proposes to construct a unit using circulating fluidized bed (CFB) combustion technology. The unit will have turbine generators, coal and limestone storage and handling facilities, an ash management area, a well field to supply fresh water and a circulating water system. A review panel was authorized by the Council and held a hearing January 17, 1990. This report presents the review panel's recommendations, background information and the mandate of the Council, public consultation measures, and concerns expressed. These concerns included legislation, alternatives, fuel and sorbent management, liquid waste management, fresh water supply, circulating water system, air quality, general construction practices, community concerns, and the formation of a local monitoring committee. Also included are the terms of reference for the environmental assessment report, an executive summary, and a list of submissions.  
AP EN EV PR SC

## A Report by the Comptroller General on growth and opportunities BC grants to the Semiahmoo House Society and administration of the GO BC Program : special report

British Columbia. Office of the Comptroller General. Victoria : The Office, 1989. 35 p.  
MICROLOG 90-03077 1 fiche

This report provides an investigation into allegations of irregularities and improprieties with respect to the Growth and Opportunities B.C. (GO B.C.) grants paid to the Semiahmoo House Society. It also includes a comprehensive review and evaluation of the GO B.C. grant program.  
BC CO PA PR

## A Report covering the period April 1, 1989 to September 30, 1989

Prince Edward Island. Pay Equity Bureau. Charlottetown : The Bureau, 1989. 12 p. CSI 62130 001  
MICROLOG 90-04298 1 fiche

Presents information on the Pay Equity Bureau, the progress of pay equity, information dissemination, publications, and the intergovernmental conference on pay equity.  
AP CI LA PR

## A Report from the Committee to Review the Structure of Council and its Committees

Metropolitan Toronto (Ont.). Committee to Review the Structure of Council and its Committees. Toronto : The Committee, 1988. iii, 38 p.  
MICROLOG 90-04891 1 fiche

The work of the Structure Committee represents a continuing effort in the ongoing process of ensuring that the Metropolitan Government remains a responsive and effective decision-making body. This summary represents the major decisions pertaining to the reform of Metropolitan Council, which were



recently implemented through revised legislation passed by the Government of Ontario. The report covers the scope of the review; the background to the Committee's formation and its activities; the Executive Committee, the need for it, its responsibilities and size, compensation, and the Administrative and Policy and Priorities Committees; existing standing committees; boards and commissions, and support services. CI MU ON PA PR

#### Report from the Task Group on Forest Products

Task Group on Forest Products (N.B.). Fredericton : The Task Group, 1989. 25 p. Bibliogr. ISBN 0-55048-189-4 MICROLOG 90-01243 1 fiche

In May 1987, a Task Group was established to identify and prioritize key technical strengths and constraints, prioritize opportunities and corrective measures and determine appropriate means, directions and levels of public sector support for development of the industry. This report presents the results of the Task Force, covering the constraints and opportunities of the resource; the logging, wood, pulp and paper industries; and concluding with recommendations for the development of a product specific resource evaluation, the development of optimum roundwood distribution systems, innovations in processing technology, and enhancement of mid-term wood supplies. AP FO PR SC

#### Report from the Task Group on Minerals & Materials Technology

Task Group on Minerals and Materials Technology (N.B.). Fredericton : The Task Group, 1989. 55 p. : ill. Bibliogr. French ed. (*Rapport du Groupe de travail...*) : 90-01723/1. ISBN 1-55048-193-2 MICROLOG 90-01722 1 fiche

In February 1988, the Task Group on Minerals and Materials Technology was formed to determine how employment opportunities in the mineral sector could be enhanced through accelerated development. The approach taken was to identify technological strengths, opportunities and constraints and to recommend action considered appropriate. Although the primary mandate was to assess technological opportunities, it was felt that regulatory and other impediments were also significant constraints to development. A separate section was added to include this aspect. This report presents the results of the Group's study. AP NR PR SC

#### Report of activities, 1987 : resident geologists

edited by C.R. Kustra. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1988. xxii, 367 p. : maps. Bibliogr. (Ontario Geological Survey miscellaneous paper ; 138) CSI 55116.014. ISSN 0704-2752 MICROLOG 90-06558 4 fiche

Annual report summarizing the activities of resident geologists in 1987, including accounts of mining, exploration, and geoscience activities. Summaries are given by Northwestern region (Kenora, Red Lake, Sioux Lookout, Thunder Bay, Beardmore/Geraldton, Schreiber/Hemlo), Northeastern Region (Wawa, Sault Ste. Marie, Porcupine South and North, Kirkland Lake, Cobalt, Sudbury), and Southern Region (Algonquin, Southeastern Ontario, Southwestern Ontario). Information is also given on the industrial minerals in the Northwestern Region and the Petroleum Resources Section. NR ON PR PS SC

#### Report of activities, 1989

compiled by C.P.G. Pereira and D.G. Walsh. St. John's : Dept. of Mines and Energy, Geological Survey Branch, 1989. 101 p. :

maps. Bibliogr. CSI 48112.005 MICROLOG 90-04242 2 fiche

Activity report of the Geological Survey Branch, covering papers on exploration for gold and industrial minerals, the regional geology of Labrador and Newfoundland, geochemistry/geophysics, quaternary geology, and databases. AP NR PR SC

#### Report of activities, 1989 : resident geologists

edited by K.G. Fenwick, P.E. Giblin and A.E. Pitts. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1990. xxvii, 345 p. : ill., maps. Bibliogr. (Ontario Geological Survey miscellaneous paper ; 147) CSI 55116.014. ISSN 0704-2752 MICROLOG 90-04248 4 fiche

Report of mining activity for dimension stone, decorative stone, and small-scale mining; advanced exploration and development by company, exploration for base metals and gold by area; Ontario government incentive programs; property examinations; recommendations for exploration for base metals and gold; and research by other agencies in the northwestern, northeastern and southern regions of Ontario. Activities by the Petroleum Resources Section are also presented, including oil and gas production, exploration and development activity, drill sample storage, recommendations for exploration, and research by other agencies. NR ON PR PS SC

#### Report of Council : Annual report to the Fellows of the Royal Society of Canada, for the year 1989-90

Ottawa : The Society, 1990. 44, 32 p. Bibliogr. Bilingual (*Rapport du conseil...* 1989-90). CSI 22317.003. ISSN 1180-4130 MICROLOG 90-05815 1 fiche

Annual report of the Society, covering the annual meeting, the election of new Fellows, reports of the Council members and Society committees, report of nominees of the Society to committees of other organizations, and the annual financial statement. The Society is active in international relations, advancement of women in scholarship, freedom of scholarship and science, the evaluation of research in Canada, the public awareness of science, reviews of science studies, global change, and Ontario Hydro's electric and magnetic field risk assessment program. CA PS SC

#### Report of field activities, 1987

Manitoba. Minerals Division. Winnipeg : The Division, 1987. vi, 205 p. : ill., maps. Bibliogr. ISSN 0709-3675 MICROLOG 90-00750 3 fiche

Report of field activities in the Minerals divisions. A total of 46 provincial and 22 federal projects were mounted, as well as 10 applied geoscience research agreements. An overview of the year's activities is first given, followed by a short report of each project, including references. Abstracts are given for each GSC project. Reports are divided by geographical area (Lynn Lake, Flin Flon, southeast Manitoba, Thompson-Cross Lake, Northern Superior, and Manitoba general). MS NR PR PS SC

#### Report of field activities, 1989

Manitoba. Minerals Division. Winnipeg : The Division, 1989. iv, 185 p. : ill., maps. Bibliogr. Fold. maps not filmed. MICROLOG 90-02962 2 fiche

Review of field activities in mineral exploration and development, giving an overview of activities, as well as detailed reports by district of geological surveys and exploration. Reports

from the federal mineral development agreements are also included. MS NR PR PS SC

#### Report of fire losses in government of Canada properties, 1986

Canada. Office of the Dominion Fire Commissioner. Ottawa : Labour Canada, 1987. x, 30, xii, 30 p. : ill. Bilingual (*Rapport sur les pertes...*). CSI 22165.003. MICROLOG 90-00291 1 fiche

Data on fire losses to departments, agencies and corporations of the federal government, plus those Crown corporations who voluntarily report their losses, and the Dept. of National Defence. A summary is given also. While data mainly covers the current year, a summary is given for the last 10 years. Losses are given by value, federal department, province, property type, time, and occupants. Data is also given on types of fire protection equipment, action taken, form of heat, and extent of damage. CA PW ST

#### Report of fire losses in government of Canada properties, 1987

Canada. Office of the Dominion Fire Commissioner. Ottawa : Labour Canada, 1987. x, 28, x, 28 p. : ill. Bilingual (*Rapport sur les pertes...*). CSI 22165.003. ISBN 0-662-56456-1 MICROLOG 90-00877 1 fiche

Lists fire loss information including deaths, injuries or property losses due to fire as reported by departments and agencies listed in Schedules A and B of the Financial Administration Act and by branches designated as departments for the purpose of the act as well as departments and other portions of the Public Service of Canada listed in Schedule 1, Part 1 of the Public Service Staff Relations Act. CA PW ST

#### Report of investigation into the circumstances attending the capsizing of the Canadian Coast Guard FRC no. 244 from the CCGS Sir Wilfred Grenfell resulting in one death and three presumed deaths (including the body surfer) whilst responding to the rescue mission at Middle Cove, Newfoundland, October 15, 1989

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 62 p. : ill. (Report ; no. 541) French ed. (*Rapport d'investigation...Sir Wilfred Grenfell...*) : 90-06626/1. MICROLOG 90-06625 1 fiche

Report of an investigation into the capsizing of a Coast Guard craft at Middle Cove, Newfoundland when rescuing body surfers in trouble. This report covers details of the vessel, background to the incident and the missing persons, an analysis of the incident including the use of the Coast Guard to search for the missing persons in high seas, findings and recommendations. Detailed diagrams of the area and the incident are included. AP CA SC TR

#### Report of investigation into the circumstances attending the collision between the Liberian registered bulk carrier Papu and two barges in tow of the Canadian tug Larain, in the Juan de Fuca Strait, U.S. waters, July 12, 1989

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 51 p. : ill., maps. (Report ; no. 539) French ed. (*Rapport d'investigation...Papu...*) : 90-06111/1 MICROLOG 90-05889 1 fiche

Report of an investigation into a collision



between a bulk carrier and barges in tow in the Juan de Fuca Strait, including details of the vessels and their navigating equipment, a background to and narrative of the incident, an analysis, and findings. Detailed diagrams are included, as well as the relevant regulations for the prevention of collisions and a guide for radiotelephone operators.  
CA SC TR

**Report of investigation into the circumstances attending the collision between the Panamanian vessel *Ocean Fame* and the Soviet vessel *Iryshsk*, 20 miles south-west of Cape Beale, B.C., August 24, 1988**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1989. 49 p. : maps. (Report ; no. 531) *French ed. (Rapport d'investigation...Ocean Fame...)* : 90-01804/1.  
MICROLOG 90-01361 1 fiche

Summary of an investigation into the collision of a bulk carrier and a fishing trawler/fish factory near Cape Beale, British Columbia. The report includes particulars of each vessel and their navigating equipment, background information, a narrative of the incident, analysis, and findings. Detailed maps and diagrams are included.  
BC CA SC TR

**Report of investigation into the circumstances attending the fire onboard the Canadian self unloading bulk carrier *H.M. Griffith* while in lock no. 8 of the Welland Canal, Port Colborne, Ontario, on September 27, 1989**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 33 p. : ill. (Report ; no. 540)  
MICROLOG 90-05965 1 fiche

Report of an investigation into a fire in a bulk carrier in the Welland Canal, including details of the vessel and its navigating equipment, a description of the vessel, background and narrative of the incident, an analysis and findings. Detailed diagrams and photos of the carrier and area involved are included.  
CA ON SC TR

**Report of investigation into the circumstances attending the loss of the Canadian fishing vessel *Johnny and Sisters II* with her crew, in the Atlantic, south of Newfoundland, Dec. 3-9, 1989**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 48 p. : ill. (Report ; no. 543)  
MICROLOG 90-06627 1 fiche

Report of an investigation into the loss of a fishing boat south of Newfoundland. The report covers particulars of the vessel, background to the incident, a narrative of the incident, and findings. Detailed diagrams of the area and the vessel are included.  
AP CA FI SC TR

**Report of investigation into the circumstances attending the loss of two crewmembers from the open boat *CFV 151370* in the vicinity of Port au Choix, Newfoundland, May 5, 1989**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1989. 15 p. : ill., maps. (Report ; no. 535) *French ed. (Rapport d'investigation...deux membres...)* : 90-03227/1.  
MICROLOG 90-02079 1 fiche

Report into the loss of crewmembers in an

open boat near Newfoundland, including details of the vessel, a narrative of the incident, an analysis of conditions relating to the incident, and findings. A detailed diagram of the area is included, together with the relevant regulations from the small fishing vessel inspection regulations.  
AP CA FI SC TR

**Report of investigation into the circumstances attending the loss overboard of a front end loader and its operator from the barge *SN 8*, while being towed by the tug *Gulf Ranger* off the north arm, Fraser River, B.C. on April 14, 1986**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1987. 19 p. : ill. (Report ; no. 455)  
MICROLOG 90-04793 1 fiche

The report includes details of the vessels, background information, an analysis of the accident, and findings. Detailed diagrams of the ship and a map of the area, with photographs are included.  
BC CA SC TR

**Report of investigation into the circumstances attending the striking of a bergy bit of ice by the M.V. *Trave Ore*, in the Atlantic Ocean, north-east of Newfoundland, July 6, 1989**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1989. 33 p. : ill. (Report ; no. 536) *French ed. (Rapport d'investigation...N.M. Trave Ore...)* : 90-03249/1  
MICROLOG 90-02483 1 fiche

Report of an investigation into a bulk ore carrier striking a bergy bit of ice off the coast of Newfoundland, including details of vessel and its navigational and radio equipment, background and narrative of the incident, an analysis and findings. Detailed diagrams of the vessel and the area, with regulations for the use of radar in ice-infested waters are included.  
AP CA SC TR

**Report of investigation into the circumstances surrounding the bottom contact by the ore carrier *Ferbec* in the traverse du nord, St. Lawrence River, on April 5, 1989**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1989. 30 p. : ill. (Report ; no. 538) *French ed. (Rapport d'investigation...Ferbec...)* on the same fiche  
MICROLOG 90-05586 1 fiche

Report of an investigation into the bottom contact of an ore carrier in the St. Lawrence River, including details of the vessel and its navigation equipment, a description of the vessel and a background to the incident, a narrative of the incident, and analysis and findings. Detailed diagrams of the area and the vessel are included.  
CA QU SC TR

**Report of investigation into the circumstances surrounding the collision off Cape Beale, Vancouver Island, between the Danish vessel *Nordpol* and HMCS *Kootenay* on June 1, 1989**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1990. 46 p. : ill. (Report ; no. 542) *French ed. (Rapport d'enquête sur...Nordpol...)* on the same fiche  
MICROLOG 90-06624 2 fiche

Report of an investigation into a collision of a

bulk ore carrier and a Canadian Navy destroyer escort off Vancouver Island. The report includes particulars of both vessels, the background and narrative of the incident, an analysis, and the findings. Detailed diagrams of the area and the incident are included.  
BC CA SC TR

**Report of investigation into the circumstances surrounding the fire in the engine-room of the Canadian tanker *Enerchem Asphalt* in the port of Quebec, August 13, 1989**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1989. 29 p. : ill. (Report ; no. 544) *French ed. (Rapport d'investigation...Enerchem Asphalt...)* on the same fiche  
MICROLOG 90-06730 1 fiche

Report of an investigation into the fire in a tanker at the Port of Quebec. The report covers details of the vessel and her navigating equipment, a background and narrative of the incident, and findings. Detailed diagrams of the ship and area, as well as photographs, are included.  
CA QU SC TR

**Report of investigation into the circumstances surrounding the fire which occurred aboard the Norwegian vessel *Star Rover*, off Pointe à Michel in the St. Lawrence River on January 25, 1989**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1989. 26 p. : ill. (Report ; no. 534) *French ed. (Rapport d'investigation...Star Rover...)* : 90-01830/1.  
MICROLOG 90-01803 1 fiche

Report of a fire aboard a bulk carrier in the St. Lawrence River, including details of the vessel and its navigating equipment, background and narrative of the incident, an analysis of the various factors leading to the incident, and findings. Detailed diagrams of the area of the incident and the ship are included.  
AP CA SC TR

**Report of investigation into the circumstances surrounding the grounding of the *Canadian Progress* preceded by a near-collision with the tug *Princess No. 1* and a lighter on the Detroit River on December 11, 1988**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1989. 33 p. : ill. (Report ; no. 533) *French ed. (Rapport d'investigation...Canadian Progress...)* on the same fiche  
MICROLOG 90-01675 1 fiche

Report of an investigation into the grounding of a bulk carrier following a near-collision with a tug and a lighter on the Detroit River, including details of the vessels and their navigation equipment, a narrative of the incident, an analysis including collision regulations, and findings. Detailed maps and diagrams are included.  
CA ON SC TR

**Report of investigation into the circumstances surrounding the sinking of the tug *James E McGrath* as a result of a departure manoeuvre by the vessel *Hon Paul Martin* at Port Weller, Ontario on September 23, 1988**

Canada. Marine Casualty Investigations. Ottawa : The Investigations, 1988. 28 p. (Report ; no. 530) *French ed. (Rapport*



*d'investigation...James E MacGrath...* on the same fiche.  
MICROLOG 90-00872 1 fiche

Report of an investigation into the sinking of a tug at Port Weller, Ontario, including the particulars of the vessels and their navigational equipment, background to and narrative of the incident, an analysis of the main factors, and the findings. Detailed diagrams and maps are included.  
CA ON SC TR

**Report of investigation into the circumstances surrounding the stranding and loss of the Canadian fishing vessel *Pennyfair* on the Seal Rocks, off the French island of Grand Miquelon, Sept. 12, 1988, resulting in the loss of one life**

Canada. Marine Casualty Investigations.  
Ottawa : The Investigations, 1989. 21 p. : ill., maps. (Report ; no. 532)  
MICROLOG 90-02078 1 fiche

Report on the loss of a fishing vessel off Grand Miquelon, including details of the vessel and its navigating equipment, background information and a narrative of the incident, an analysis of various factors contributing to the incident, and the findings. Detailed maps and photographs are included.  
AP CA FI SC TR

**Report of investigation into the circumstances surrounding the striking of a cliff above Point-aux-Crêpes, Saguenay River, Quebec by the Canadian vessel *Peter Misener* on November 9, 1988**

Canada. Marine Casualty Investigations.  
Ottawa : The Investigations, 1990. 28 p. : ill., maps. (Report ; no. 537) French ed. (*Rapport contre la faiblesse...*) : 90-02978/1  
MICROLOG 90-02849 1 fiche

Report of investigation into a bulk carrier striking a cliff in the Saguenay River, Quebec. The report includes details of the vessel and its navigating equipment, background and narrative of the incident, an analysis of the factors surrounding the incident, and the findings. Detailed diagrams and maps are included.  
CA QU SC TR

**Report of investigation into the sinking of a small oyster fishing boat in Wallace River Estuary, Nova Scotia, with the subsequent death of the two occupants, November 11, 1988**

Canada. Marine Casualty Investigations.  
Ottawa : The Investigations, 1989. 19 p. : ill., maps. (Report ; no. 529) French ed. (*Rapport d'investigation...naufrage de...*) : 90-00463/1  
MICROLOG 90-04773 1 fiche

The report includes a description of the boat, a background to the accident, a narrative of the incident, an analysis, and findings. Detailed maps of the area, material on survival in cold water and methods of oyster harvesting are also included.  
AP CA FI SC TR

**Report of Review Committee, 1988 : Workers' Compensation in Newfoundland and Labrador : final draft**

Newfoundland and Labrador Workers' Compensation Act Review Committee. St.

John's : The Committee, 1988. 72 p.  
MICROLOG 90-06038 1 fiche

This document describes the Workers' Compensation System in Newfoundland and Labrador. It provides information on claims, benefits, rehabilitation, industrial disease, medical issues, administration and operations of the Workers' Compensation Commission, financial operations within the Commission, assessment issues, merit-demerit rating, appeals, workers advocate, occupational health and safety, the legislation in general, and communications. It also includes a schedule of public hearings and presentations, and written submissions not presented at public hearings.  
AP LA PR

**The Report of the Advisory Committee on Dental Care for Seniors in Need**

Advisory Committee on Dental Care for Seniors in Need (Ontario). Midhurst, Ont. : The Committee, 1989. viii, 32 p. ISBN 0-7729-5698-7  
MICROLOG 90-02321 1 fiche

This report reviews and assesses available information on the dental status of Ontario residents aged 65 and older, and assesses the availability and adequacy of current programs in meeting these needs. It also sets goals for the restoration and maintenance of dental health for this age group, and identifies priority target groups where assistance is most needed. Finally, it defines essential basic dental care services and presents options for possible delivery mechanisms that could be used to provide services to the target group identified.  
HE ON PR SA

**Report of the Advisory Council on Community-Based Programs for Women**

Advisory Council on Community-Based Programs for Women (B.C.). Victoria : The Council, 1990. i, 37 p.  
MICROLOG 90-07005 1 fiche

The goal of the Council is to create a reality based on respect for the rights of women; a reality which recognizes and supports the dual role played by many women as caregivers and paid workers; a reality in which women's social, economic and political contributions are encouraged and valued equally; and a reality in which women have an equal share in power and influence. This report examines the existing network of services in light of this vision and outlines the following steps to achieve a new reality for women: improving access, expanding services, filling gaps, more effectively coordinating existing services at the community level, and planning for future services.  
BC PR SA

**Report of the Arctic Fisheries Scientific Advisory Committee for 1988-89**

by S.E. Cosens, J.F. Craig and T.A. Shortt.  
Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. iv, 40 p. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2063) This is the 15th manuscript report from the Central and Arctic Region, Winnipeg. ISSN 0706-6473  
MICROLOG 90-05443 1 fiche

The Committee was established in November 1985 to develop and provide scientifically sound advice for stocks of fish and marine mammals in the Northwest Territories, Yukon north slope and other territorial waters management. In 1988/89, ASAC reviewed and developed advice on 5 fish stocks/stock complexes, annual commercial quotas for Arctic charr in the NWT and 5 marine mammal stocks. The report also describes the organization and

responsibilities of the Committee.  
• CA CF FI NO SC

**Report of the Auditor General of Canada to the House of Commons, 1986-87**

Canada. Office of the Auditor General.  
Ottawa : The Office, 1987. 643 p. : ill. CSI 21117.001. ISBN 0-662-15695-1  
MICROLOG 90-04726 7 fiche

This document includes information on the financial management and control study, and financial management and the federal deficit. It also reports on the Department of National Defence, tax expenditures, and the Canadian Broadcasting Corporation.  
CA CO PA ST

**Report of the Auditor General of Canada to the House of Commons, 1988-89**

Canada. Office of the Auditor General.  
Ottawa : The Office, 1989. 644 p. : ill. CSI 21117.001. ISBN 0-662-17282-5  
MICROLOG 90-00889 7 fiche

Presents observations by the Auditor General on the government's financial statements and public accounts, a review of major capital projects, and audit notes.  
CA CO PA ST

**Report of the Auditor General, 1988-89**

New Brunswick. Office of the Auditor-General.  
Fredericton : The Office, 1989. 136, 115 p. : ill. Bilingual (*Rapport du Vérificateur...*). CSI 45122.001. ISSN 0382-1420 ISBN 1-55048-125-3  
MICROLOG 90-01208 3 fiche

Contains a summary of major observations and recommendations, and discusses the status of prior years' major observations and recommendations. It also includes comments on departmental operations, on crown agencies, and on financial statements.  
AP CO JU PA PR

**Report of the Chief Electoral Officer of Prince Edward Island for the Provincial General Election of May 29, 1989**

Prince Edward Island. Chief Electoral Officer.  
Charlottetown : The Officer, 1989. 24 p.  
MICROLOG 90-07178 1 fiche

Contains declaration day results for assemblypersons, and councillors. It also provides a list of elected members.  
AP PA PR

**Report of the Chief Electoral Officer of Prince Edward Island on the by-election of 11 July, 1988 in the fifth electoral District of Kings**

Prince Edward Island. Chief Electoral Officer.  
Charlottetown : The Officer, 1989. 2 p. CSI 62112.203.  
MICROLOG 90-04296 1 fiche

Contains election results for returning officer Donald MacDonald. It identifies for each polling division, its name, the number of names on electors' list, and the numbers of ballots cast for MacDonald, Steiger, and Walsh. It also lists the number of ballots rejected.  
AP PA PR ST

**Report of the Chief Electoral Officer on the conduct of the September 6, 1988 provincial election including recommendations respecting amendments to the Elections Act**

Nova Scotia. Chief Electoral Officer.  
Halifax : The Officer, 1989. 43 p.  
MICROLOG 90-03276 1 fiche

Discusses the qualifications of an elector, prison



inmates, mentally handicapped electors, judges, disqualification of election officials, removal of British subject qualifications, enumeration and notice of enumeration cards, proxy voting, offences on polling day, administrative matters, election finances, and ballots and directions to electors. It also includes a summary of recommendations.  
AP JU PA PR

#### Report of the Chief Electoral Officer on the elections of members to the Council of the Northwest Territories, 1987

Canada. Office of the Chief Electoral Officer. Ottawa : The Office, 1988. iii, 24 p. CSI 75117.200. ISBN 0-662-55804-9  
MICROLOG 90-02405 1 fiche

Contains a summary of votes cast, together with details of the vote by polling division and electoral district.  
CA NO PA ST

#### Report of the Chief Electoral Officer on the Nanaimo and Vancouver-Point Grey by-elections, 1989 : statement of votes

British Columbia. Chief Electoral Officer. Victoria : Elections British Columbia, 1989. 22 p. : maps  
MICROLOG 90-00473 1 fiche

Contains a summary of by-elections; results of by-elections, electoral district maps; a summary of expenditures by candidates and political parties, and election administration; and information on the standing of political parties.  
BC MU PA

#### The Report of the Chief Electoral Officer on the provincial senatorial election, Monday, Oct. 16, 1989

Alberta. Chief Electoral Officer. Edmonton : The Officer, 1989. 88 p. : map.  
MICROLOG 90-02906 1 fiche

Provides an overview of the election, and includes information on the tabulation of official results; the combination of voting entities; a statement of official results; returning officers; senatorial election expenses; and candidates' campaign period financial statements. It contains a provincial map.  
AL PA PR

#### Report of the Chief Electoral Officer respecting election expenses

Canada. Office of the Chief Electoral Officer. Ottawa : The Office, 1988. 354 p. *Bilingual (Rapport du Directeur...)*. CSI 22163.005 ISBN 0-662-56925-3  
MICROLOG 90-03182 4 fiche

This report covers 1559 of 1574 candidates whose names appeared on the ballot at the 34th General Election. It also contains the summaries of the election expenses of 4 nominated candidates who withdrew but are still required by law to submit the Candidate's Return Respecting Election Expenses. In addition, it includes summaries of the election expenses returns submitted by the twelve registered parties for that general election. Finally, it provides summaries of the registered parties' fiscal period returns for the years 1984 to 1988 inclusive, submitted by the parties which were registered during that period.  
CA CO PA ST

#### Report of the Collaborative Action Working Group on Counselling

Collaborative Action Working Group on Counselling (Canada). Ottawa : The Group, 1988. vi, 69 p. Bibliogr. *French ed. (Rapport du Groupe...orientation)* : 90-01832/1. MICROLOG 90-01831 1 fiche

In the 1986 First Ministers document, Towards

a Labour Force Strategy. A Framework for Training for Women, employment counselling was cited as a structural barrier to women's economic equality. Counselling was often seen as inadequate or oriented only towards traditional work. This document discusses principles governing career counselling for girls and women; career information for girls and women; sharing of career information among jurisdictions; and the need for a comprehensive approach.  
AP LA PR

#### Report of the commission appointed pursuant to the Legislative Assembly Act to inquire into the adequacy of the indemnities, salaries and allowances for members and officers of the Legislative Assembly, the adequacy of the salaries fixed for the members of the Executive Council, and the adequacy of support to the Opposition Members Office

Prince Edward Island. Commission on Remuneration for Members of the Legislative Assembly. Charlottetown : The Commission, 1989. 26 p.  
MICROLOG 90-03568 1 fiche

This document contains the Commission's report on the inquiry into the adequacy of the annual variation of indemnities, salaries, and allowances paid to members of the Legislative Assembly, the Speaker, Deputy Speaker, and Leader of the Opposition. It also includes the Commission's recommendations.  
AP JU PR

#### Report of the Commission of Inquiry, British Columbia Tree Fruit Industry

Commission of Inquiry, British Columbia Tree Fruit Industry. Victoria : The Commission, 1990. 175 p. : ill. CSI 38183.201. ISBN 0-7726-1145-9  
MICROLOG 90-06401 2 fiche

Discusses the constraints and opportunities affecting both the short term and long term viability of the B.C. tree fruit industry; actions and policy options necessary to improve industry self-reliance in the 1990s; and strategies for the growth and development of the industry.  
AG BC CO PR

#### Report of the Department of National Revenue : customs, excise and taxation, 1988-89

Canada. Revenue Canada. Ottawa : The Dept., 1989. 25 p. *Bilingual (Rapport du Ministère du revenu...)*. CSI 21106.001. ISBN 0-662-55392-6  
MICROLOG 90-00726 1 fiche

This document presents a statement of customs and excise revenue by revenue centres.  
CA CO PA ST

#### Report of the Deputy Ministers of Health, Housing and Social Services on coordinated home care

Nova Scotia Dept. of Health...et al. Halifax : The Depts., 1987. xvii, 185 p. : maps  
MICROLOG 90-05040 3 fiche

The Deputy Ministers, in association with the Senior Citizens Secretariat and the Senior Citizens Commissions, consulted appropriate volunteer, church, community, and disabled persons organizations concerning the most suitable coordinated Home Care Program for the Province. The committee also considered research material relating to home care in Nova Scotia and elsewhere in Canada. This report is a summary of the findings along with a recommended design for coordinated Home Care Programs for Nova Scotia.  
AP HE PR

#### Report of the Food Industry Advisory Committee

Ontario Food Industry Advisory Committee. Toronto : The Committee, 1990. 21, 21 p. Bibliogr. *Bilingual (Rapport du Comité...)*. ISBN 0-7729-6556-0  
MICROLOG 90-05061 1 fiche

The Committee was established in January 1989 to advise the government on the food processing development strategy approved in the fall of 1988. The objective of the strategy is to develop a competitive food processing industry in Ontario and to create a viable and growing market for Ontario's agricultural products. This report provides a brief industry profile and an analysis of the economic challenges facing the industry and presents the Committee's deliberations and its recommendations.  
AG CO ON PR SC

#### Report of the Formula Review Committee, 1990

Nova Scotia. Formula Review Committee. Halifax : The Committee, 1990. 58 p. : ill. CSI 51104.002  
MICROLOG 90-04923 1 fiche

This Committee was established in 1981 and is responsible for making recommendations to the Minister of Education regarding funding formulas for district school boards throughout Nova Scotia. This report contains recommendations for funding formulas for the 1990 calendar year. The report begins with a financial summary of grants, expenditures and formulas, presents a commentary on funding issues, and concludes with recommended funding formulas for student units and enrolment weighting, gross square footage, uniform assessment, and general formulas for financial aspects, transportation, asbestos abatement, textbook credits, and special, adult and driver education.  
AP CI ED PR

#### Report of the Interministerial Committee on Visiting Homemaker Services

Interministerial Committee on Visiting Homemaker Services (Ont.). Toronto : The Committee, 1990. xi, 81 p. : ill.  
MICROLOG 90-06187 2 fiche

Discusses training programs and resources for homemaking, low wages paid to homemakers, annual agency rate setting process, and homemaker agency rate structure.  
ON PR SA

#### Report of the Margaree River Advisory Committee concerning the nomination of the Margaree-Lake Ainslie River System to the Canadian Heritage Rivers Program

to the Minister of Lands and Forests. Halifax : The Committee, 1990. 19 p.  
MICROLOG 90-05923 1 fiche

This report contains the deliberations and recommendations of the Committee established to advise the Nova Scotia Minister of Lands and Forests on the desirability of nominating the Margaree-Lake Ainslie a candidate Canadian Heritage River. This report describes the public participation process involved, the Canadian Heritage River System program and the studies conducted to identify the Margaree-Lake Ainslie River system, the benefits and concerns of the nomination and designation; and a summary of the key topics of interest and concern to both the Committee and the public. Recommendations are included.  
AP CU EV PR SC

#### Report of the Ministerial Committee on Heritage and Museums Policy

Prince Edward Island. Ministerial Committee on Heritage and Museums Policy. Charlottetown



Dept. of Community & Cultural Affairs,  
Cultural Affairs Division, 1988. 32 p.  
MICROLOG 90-00371 1 fiche

The purpose of this report is to outline a provincial heritage and museums policy that sets out major aims and objectives, determines the roles and responsibilities of the various agencies and institutions, and promotes coordinated planning and development in the sector.  
AP CU PR

#### Report of the Municipal Taxation Review Commission

Vancouver (B.C.). Municipal Taxation Review Commission. Vancouver, B.C. : The Commission, 1989. 76 p. Bibliogr.  
MICROLOG 90-02484 1 fiche

This document explains the nature of the problem, and describes the process followed by the Commission, the legal basis for assessment and taxation in the City, the BC assessment authority, and the experience in other jurisdictions. It provides conclusions and recommendations.  
BC CO MU

#### Report of the Newfoundland heart health survey, 1988-89

St. John's : Dept. of Health ; Ottawa : Dept. of National Health and Welfare, 1990. 47 p.  
Summary (6 p.) laid in.  
MICROLOG 90-06025 1 fiche

Newfoundland experiences higher death rates from cardiovascular disease than the Canadian average. This study estimates the prevalence and distribution patterns of cardiovascular disease risk factors, including high blood pressure, elevated blood lipids, smoking and obesity in the province. It also determines how much the residents of the province knew about those factors in their relationship to heart disease and stroke. The survey which consisted of a home interview and clinic visit, was conducted by specially trained community health staff between November 1988 and March 1989.  
AP HE PR

#### The Report of the Nova Scotia Royal Commission on Health Care : towards a new strategy

Nova Scotia. Royal Commission on Health Care. Halifax : The Commission, 1989. 2 v.  
Contents: Vol. 1 : Report -- vol. 2 : Summary.  
MICROLOG 90-01464 3 fiche

Presents a comprehensive review of the health care system, including issues of cost and efficiency. This Royal Commission report is based on public hearings, research, and consultations. The public hearings were held throughout the province between April and July, 1988. The research focused on economic, epidemiological, and demographic information, health services administration, and health policy and planning. The consultation phase of the report is based on meetings with health policy experts.  
AP HE PR

#### The Report of the Nova Scotia Royal Commission on Health Care : towards a new strategy : research studies

Halifax : Nova Scotia Royal Commission on Health Care, 1989. 3 v. : ill. Bibliogr. ISBN 0-88871-129-8  
MICROLOG 90-01937 14 fiche

Provides an overview of the complex medical, social, and economic forces underlying health care financing and delivery in Nova Scotia and a few other selected provinces in Canada. The report addresses composition, patterns, size, growth of health care expenditures, population composition, utilization, and measuring

effectiveness. It presents conclusions and policy implications.  
AP CI HE PR

#### Report of the Ontario Student Assistance Program, 1987-88

Ontario Student Assistance Program. Thunder Bay, Ont. : The Program, 1989. 44 p. : ill. CSI 55103.005.  
MICROLOG 90-02146 1 fiche

This document reviews the performance of the program and analyses the assistance provided under the program, to whom aid was given, and in what form. It also reviews the program's operation in terms of its individual components.  
CO ED ON PR ST

#### Report of the PCB Working Group

Toronto : Dillon Consulting Engineers and Planners, 1989. 72 p. : ill.  
MICROLOG 90-02857 1 fiche

The Ontario Waste Management Corp. (OWMC)'s draft environmental assessment report was reviewed by Ontario Hydro, which was concerned that it did not address the management of PCB wastes in transformer carcasses, capacitors, transformer bushings, and other equipment such as electromagnets, regulators and switches. Since it is OWMC's intent to be able to manage all PCB wastes generated in the province, OWMC established a working group to incorporate Ontario Hydro comments in a more comprehensive PCB waste management program. The working group was to identify the quantities of PCB waste that are likely to be treated; and to assess any technologies or modifications to the proposed facility design that would be required to accommodate all PCB wastes. This report of the working group covers both these areas.  
EV ON PR SC

#### Report of the president, 1988-89

Ottawa : Natural Sciences and Engineering Research Council of Canada, 1989. 45 p. : ill. French ed. (*Rapport du président...*) on the same fiche. CSI 22264.002. ISBN 0-662-56851-6  
MICROLOG 90-00838 2 fiche

Report summarizing the activities of the Council, including highlights of the year, information on research programs, scholarships, and international programs, targeted research, the matching fund policy, networks of centres of excellence, program evaluation activities, and the 1989 E.W.R. Steacie Fellows. Financial data is included.  
CA CO PS SC ST

#### Report of the Prince Edward Island Advisory Committee on Impaired Driving

by H. Durie. Charlottetown : The Committee, 1988. 2 v. Bibliogr. Contents: Vol. I : Report of the Prince Edward Island Advisory Committee on Impaired Driving -- vol. II : A Research study of impaired driving charges in Prince Edward Island during the five year period, 1983-87.  
MICROLOG 90-00771 3 fiche

This document examines the magnitude of the problem, legislative responses, intervention strategies, victims of impaired driving, and the need for a multidimensional approach.  
AP BS PR SA

#### Report of the Prince Edward Island Advisory Committee on Impaired Driving : summary

by H. Durie. Charlottetown : The Committee, 1988. 2 v. Contents: Vol. I : Report of the Prince Edward Island Advisory Committee on Impaired Driving -- vol. II : A Research study of impaired driving charges in Prince Edward Island during the five year period, 1983-87  
MICROLOG 90-00789 1 fiche

Discusses the magnitude of the problem, legislation, intervention strategies, victims, research and evaluation, and the need for a multidimensional approach. It presents recommendations, and provides information on the terms of reference for the Advisory Committee on Impaired Driving, and the safe driving project.  
AP BS PR SA

#### Report of the Property Tax Forum

Property Tax Forum (1989 : Campbell River, B.C.). Victoria : The Province, 1989. 69 p. ISBN 0-7726-1055-X  
MICROLOG 90-01766 1 fiche

This report summarizes the principal comments of taxpayers which were gathered at the forum. It also considers the comments of local taxing authorities, mainly school boards and municipalities. The report includes a foreword by the chairman, a summary of taxpayer submissions, a commentary on taxpayer submissions, and recommendations of the panel.  
BC CO PR

#### Report of the Provincial Advisory Committee on Post-Secondary Education for Native Learners

British Columbia. Provincial Advisory Committee on Post-Secondary Education for Native Learners. Victoria : The Committee, 1990. 55 p.  
MICROLOG 90-04749 1 fiche

Committee set up to advise on the development and implementation of policy on post-secondary education for Native learners; to develop systems and gather data and relevant research to determine the effectiveness of post-secondary service and programs for Native students; to examine current and alternate models for affiliation agreements; and to identify, review and comment on the issues of accessibility, effectiveness and quality of education. This report presents the results of the Committee's public hearings and research work. The report gives an historical overview of the situation; the context in which the inquiry was begun and the principles under which it was conducted; describes the challenges to the post-secondary system under the headings of governance, jurisdiction, cultural, program, financial, and geographic; presents a summary of the recommendations; and includes implementation measures.  
BC ED NP PR

#### Report of the Provincial Auditor to the Legislative Assembly for the fiscal year ended March 31, 1989

Manitoba. Provincial Auditor. Winnipeg : The Auditor, 1989. ii, 73 p. CSI 42172.001.  
MICROLOG 90-03911 1 fiche

This publication examines Government's central management system, Agencies and Departments, and the organization and activities of the provincial Auditor's Office.  
CO MS PA PR

#### Report of the Provincial Auditor to the Legislative Assembly for the fiscal year ended March 31, 1989 : supplement

Manitoba. Provincial Auditor. Winnipeg : The Auditor, 1989. i, 90 p. : ill.  
MICROLOG 90-06248 1 fiche

Summarizes what is considered to be the more significant concerns and recommendations regarding the Government's financial affairs. It also includes comments on the Consolidated Fund financial statements and summary financial statements and analysis of the Consolidated Fund financial statements, the Fiscal Stabilization Fund financial statements, and the Summary financial statements.  
CO MS PA PR



### Report of the Provincial Auditor to the Legislative Assembly for the year ended March 31, 1989

Saskatchewan. Provincial Auditor. Regina : The Province, 1989. 144 p. CSI 71112.001. MICROLOG 90-04711 2 fiche

The annual report contains results of audits on each government department and agency in the province. Includes a list of current issues of importance, and the Provincial Auditor Act. CO MS PA PR

### Report of the Provincial-Municipal Social Services Review

Provincial-Municipal Social Services Review Committee. Toronto : Association of Municipalities of Ontario ; Ontario Municipal Social Services Association ; Ministry of Community and Social Services, 1990. 256 p. Bibliogr. French ed. (*Rapport du Comité d'étude...*) : 90-06079. ISBN 0-7729-6528-5 MICROLOG 90-04316 3 fiche

This report deals with three major topics: provision of services, including their management and delivery; funding arrangements to support management and delivery; and system-wide planning particularly at the community level. ON PR SA

### Report of the Registrar, business of 1987 : loan and trust corporations' statements

Toronto : Ministry of Financial Institutions, 1988. x, 87 p. CSI 56169.002 MICROLOG 90-02153 2 fiche

This publication presents registered corporations as at December 31, 1987; tabulated summaries of the annual statements as filed by registered corporations for loan corporations and trust companies; a comparative summary of assets and liabilities of loan corporations, and trust companies; a comparative summary of income and expenditures of loan and trust corporations; average rates of interest earned and dividends paid, and cash and securities available for liquidity purposes. CO ON PR ST

### Report of the Social Assistance Review Committee

Manitoba. Social Assistance Review Committee. Winnipeg : Manitoba Family Services, 1989. iv, 33 p. MICROLOG 90-06240 1 fiche

Includes 12 recommendations covering the following three major aspects of reform: the extent to which municipal assistance should be regulated by the province; the level at which benefits should be set under a regulated system, and the manner in which the costs of assistance should be shared between the municipalities and the province. MS PR SA

### Report of the Superintendent of Financial Institutions Canada for the year ended December 31, 1987 : abstract of statements of property and casualty insurance companies

Canada. Office of the Superintendent of Financial Institutions. Ottawa : The Office, 1988. v, 245 p. Bilingual (*Rapport du Surintendant...compagnies d'assurance...*). CSI 22170.003. ISBN 0-660-54183-1 MICROLOG 90-03046 3 fiche

This volume includes the text of the report and a series of summary tables designed to give a general picture of the financial condition and the business of all Canadian, British, and foreign insurance companies registered to transact property and casualty insurance. CA CO PA

### Report of the Superintendent of Financial Institutions Canada, 1988-89 : investment companies

Canada. Office of the Superintendent of Financial Institutions. Ottawa : The Office, 1989. 23 p. Bilingual (*Rapport du Surintendant...sociétés...*). CSI 22170.005. ISBN 0-660-55074-1 MICROLOG 90-03173 1 fiche

The report discusses amendments to the Act and regulations made pursuant to Section 36, and provides a summary of activities. It also covers the costs of administration, and the operations of Canada Deposit Insurance Corporation under the Act. ● CA CO PA

### Report of the Task Force on Tax Benefits for Northern and Isolated Areas

submitted to Michael H. Wilson. Ottawa : The Task Force, 1989. 70, 75 p. : maps. Bibliogr. Bilingual (*Rapport du Groupe de travail sur l'indemnisation...*). ISBN 0-662-57009-X MICROLOG 90-02195 2 fiche

Reviews the impact of the existing criteria on communities in northern and isolated regions of Canada. It develops and recommends revised criteria to reduce anomalies and inequities. In addition, it recommends an on-going mechanism for periodic review of anomalies. CA CO NO PA

### Report of the Task Force to the Committee of the Whole

Canada. Parliament. Senate. Task Force on the Meech Lake Constitutional Accord and on the Yukon and the Northwest Territories. Ottawa : The Senate of Canada, 1988. xiii, 53, xiii, 53 p. : ill. Bilingual (*Rapport du Groupe de travail*). MICROLOG 90-03088 2 fiche

This document addresses the justice of the Accord, and places the position of the Yukon and Northwest Territories in a political and historical context. It also discusses participation in the federation, the extension of provincial boundaries, and the creation of new provinces. It includes the Task Force's recommendations as well. CA CI NO PA

### Report of the Technical Committee established in the Ontario Automobile Insurance Board decision I-88-1A, dated August 30, 1988

Ontario. Automobile Insurance Board. Technical Committee. Toronto : The Committee, 1988. 174 p. ISBN 0-7729-4701-5 MICROLOG 90-01247 2 fiche

This document provides recommendations on those matters that are necessary to resolve the implementation and definitional problems. CO ON PR

### Report of the Youth Emergency Shelter Program Development Panel

by D. Bell...et al. Edmonton : The Panel, 1990. viii, 30 p. MICROLOG 90-07368 1 fiche

The purpose of the Shelter Society is to help homeless youth and troubled families overcome their crisis situation through the provision of emergency services, shelter and other services. This report deals with the investigation and analysis of child care concerns, the investigation and analysis of management concerns, community relationships with the shelter, and the shelter's relationship with government and other community service agencies. AL PR SA

### A Report on 1989 water levels of the Great Lakes

by P.P. Yee and W. Shoots. Burlington, Ont. : Inland Waters/Lands Directorate, Ontario Region, 1990. 29 p. : ill. MICROLOG 90-06313 1 fiche

Summary of water level events in 1989 on the Great Lakes-St. Lawrence River. The report begins by examining the hydrological factors shaping the water levels on the Great Lakes, then briefly describes some of the effects of the 1989 levels. The report also contains a summary of the operations related to Lake Superior and Lake Ontario regulation, and discusses a few of the initiatives taken by the federal government to address the water levels issue. Information is included on the reasons for the drop in water levels from the highs of 1985 and 1986, as well as data on flows in the St. Clair and Detroit River systems, a brief discussion of the operations of all the major Great Lakes diversions, a discussion on the water levels at Montreal Harbour, and a description of the Great Lakes water levels reference study. CA NR ON SC

### A Report on a model for making projections of interprovincial migration flows in aggregate and by occupation

by B. Ahamad and R. Rowley. Ottawa : Employment and Immigration Canada, 1986. ii, 59 p. Bibliogr. (COPS : consultant report) French ed. (*Modèle de projection...*) on the same fiche. MICROLOG 90-00775 2 fiche

Describes a model for making projections of interprovincial migration flows in aggregate using both economic factors, such as employment and income, and demographic variables, such as age and sex, as determining factors or independent variables. It also describes a model for disaggregating the projections derived in the first model by occupation using 1981 census data and data from the Labour Force Survey Supplement of August 1982. CA SA

### A Report on a requirements definition, implementation plan and costs for a GIS pilot in the Department of Fisheries and Aquaculture

by F.J. Kolls. Fredericton : Fisheries and Aquaculture New Brunswick, 1990. 48 p. MICROLOG 90-05698 1 fiche

The Department undertook a requirements definition study on the potential use of geographic information systems (GIS) technology for its management needs. This report details this requirement study as well as a range of other associated issues, such as the need for a memorandum of understanding with the federal Department of Fisheries and Oceans (DFO), data sources for GIS other than DFO, the resources required by a GIS and an implementation schedule and estimated costs for Phase II of the pilot study. An appendix describes current coastal mapping initiatives in Canada and the U.S., as well as examples of basic data sources needed by the Department for Phase II of the plan. ● AP CA FI PS SC

### Report on a special investigation into air traffic control services in Canada

Ottawa : Canadian Aviation Safety Board, 1990. iv, 53 p. French ed. (*Rapport sur...les services de la circulation...*) : 90-04030/1. ISBN 0-662-17693-6 MICROLOG 90-03546 1 fiche

Following a series of losses of separation between aircraft at Lester B. Pearson International Airport in Toronto in late 1988, the Board decided to conduct a special investigation



of the safety aspects of the current air traffic control situation in Canada. A detailed file review was conducted on 217 occurrences investigated by either Transport Canada or the Canadian Aviation Safety Board. In addition, more than 80 interviews with representative controllers and users of the air traffic services system were conducted. This report presents the results of the review and includes 48 aviation safety recommendations to improve on the current levels of safety. The report covers equipment, staffing, workload, training, supervision, operating procedures, human performance factors, information transfer and management.  
CA CI SC TR

# **Report on a visit to Syracuse University, Syracuse, N.Y.**

by J.D. Keys. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 5 p. (Report ; MS 65-132)  
MICROLOG 90-04648 1 fiche

While visiting the University to conduct interviews for graduate students interested in employment in the Canadian civil service, the team also visited and described the departments of mathematics, electrical engineering, chemistry, physics, geology, and geography.  
• CA CM LA PS SC

# **Report on an inquiry under section 229 of the Railway Act : all matters and things that are likely to cause or prevent accidents related to the handling and inspecting of non-pressurized dangerous commodity tank cars in the Sarnia-Montreal corridor of the Canadian National Railway Company**

Ottawa : National Transportation Agency of Canada, Railway Pipeline Investigations Directorate, 1990. 53, 48 p. : ill. Bilingual (Rapport d'enquête en...)  
MICROLOG 90-04270 2 fiche

Report of an investigation into the causes and prevention of accidents related to the handling and inspecting of non-pressurized dangerous commodity tank cars in CN's Sarnia-Montreal corridor. The investigation was precipitated by the use of a tank car from Michigan to transport hydrofluosilicic acid after having been identified as defective. The report covers investigations undertaken at Sarnia, Toronto and Montreal, an analysis of the data from these sites, and a narrative of the incidents. Recommendations are included.  
CA ON QU SC TR

# **Report on conflicts of interest rules for cabinet ministers, members of the Legislative Assembly and senior public servants**

Alberta. Conflict of Interest Review Panel. Edmonton : The Panel, 1990. 2 v. Contents: Vol. 1 : Part I, summaries -- vol. 2 : Part II, report.  
MICROLOG 90-03512 3 fiche

Contains a summary of proposals, and the report which describes the establishment and function of the review panel, the ministers and MLAS, and the senior public servants. It also presents the draft legislation.  
AL JU PR

# **Report on day care surgery, 1987-88**

British Columbia. Ministry of Health. Information Resources. Victoria : The Ministry, 1988. 33 p. CSI 37108.002. ISSN 0715-0423  
MICROLOG 90-00352 1 fiche

Analysis of the 1987-88 experience of the day care surgery program, showing the types of procedures being performed, documenting the

growth of day care surgery over the past few years, and highlighting emerging trends. Data is derived from the statistical information received from the national service bureaus performing medical record abstracting for the hospitals in the province and covers 1978 to the present. Data is categorized by an overview, specific hospitals, specific procedures, and for regional hospital districts.  
BC HE PR ST

# **Report on design considerations for a heat pumped ice field**

Toronto : Engineering Interface Limited, 1989. 66 p. : ill. CANMET contract: 89155-01-SQ. MICROLOG 90-05678 1 fiche

This study involves using an all-electric heating and cooling plant for buildings. The heating of the building is provided for by the freezing of a saturated soil mass located under the parking lot. By the end of the heating season there will be enough ice generated to provide for summer cooling. Methanol is circulated between a 1/2" diameter plastic tubing system and an electric heat pump chiller located in the building. The study uses the new General Motors Oshawa Administration Office, a low energy building, as an example. This report describes the use of the system with this building, including a calculation and comparison of heating and cooling loads, the use of partial seasonal storage, an outline of storage schemes, and an energy summary. A summary of the initial cost and a sensitivity analysis of the economics if other conditions had applied are also included.  
• CA CM EN ON PS SC

# **Report on dogfish in the British market**

by L.T. Gotteberg. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 18 p. (Canadian translation of fisheries and aquatic sciences ; no. 5196) Originally published in Norwegian, at Alesund, Norway. ISSN 0704-3716  
MICROLOG 90-00063 1 fiche

Report on British market for dogfish, particularly what could be done by Norway to strengthen and promote future use of this fish species in the British market. The report establishes the geographic area of consumption, fishing and landings of dogfish by British vessels, Norwegian exports of dogfish from 1955-70 and the value of exports of frozen dogfish, and use of dogfish in the UK.  
• CA CF CO FI SC ST

# **A Report on enhancements for existing and future helicopters supporting operations of the Canadian oil and gas industry**

Survival Systems Limited. Calgary, Alta. Canadian Petroleum Association, 1989. i, 185 p. : ill. Bibliogr.  
MICROLOG 90-04408 2 fiche (Available on fiche only)

Study to determine those safety enhancements which pertain to the safe operation of helicopters in support of oil exploration and production. The information was derived from current research, aviation occurrence reports and information from industries and agencies involved with helicopter safety. Safety enhancements covered include structures, seats, restraint systems, fuel and fuel systems, overwater operational systems, wire warning systems, and flight data recorders.  
• CA EN SC TR

# **Report on feasibility study of potential approaches to upgrade existing emergency locator transmitters (ELT)**

for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; A.S. Armstrong and N. Shafey. Ottawa Leigh Instruments Limited, 1989. xx, 80 p.

Bibliogr.  
MICROLOG 90-04084 2 fiche

Study to determine whether it is commercially feasible to improve the reliability of existing emergency locator transmitters (ELTs) and to propose a field test plan to evaluate the feasibility of using ELTs conforming to technical standard order C91a in the Canadian aviation environment. ELT maintenance data were analyzed and categorized and retrofitable improvements were analyzed. Aircraft accident data were used to arrive at a cost-effective field test plan.  
CA PS SC TR

# **Report on hearings : Repap Manitoba Inc., phase I : modification and expansion of the Manfor Complex**

Winnipeg : Manitoba Environment, Clean Environment Commission, 1989. iv, 176 p. MICROLOG 90-02375 2 fiche

This publication presents a description of the site and a history of the mill. It includes guidelines and the environmental impact assessment. It also contains the presentations given at the hearing, discussion of the hearing, and conclusions.  
EV MS PR

# **Report on hearings : Westlake Regional Water Supply Proposal**

Winnipeg : Manitoba Environment and Workplace Safety and Health, Clean Environment Commission, 1989. ii, 38 p. : maps. Bibliogr. MICROLOG 90-01456 1 fiche

In April 1989 the Manitoba Water Services Board applied for the development of the Westlake regional water supply system. The Clean Environment Commission held public hearings in June 1989 to solicit public input concerning the potential impacts of the project and any recommendations for control or elimination of any adverse effects resulting from the project. This report gives an overview of the proposed project, and summaries of briefs of the participants and the proponents, as well as the hydrogeological analysis and water licensing.  
EV MS PR PW SC

# **Report on incineration technology evaluation for a proposed hazardous waste facility**

Engineering-Science. Toronto : Ontario Waste Management Corporation, 1987. iii, 114 p. : ill. Bibliogr.  
MICROLOG 90-02867 2 fiche

Study to review and update previous Ontario Waste Management Corp. work on incinerator technologies; identify proven incinerator technologies; and choose the most suitable proven incinerator technology for treating Ontario's hazardous wastes.  
EV ON PR SC

# **Report on inspection of coal mining operations and incidental activities in Great Britain, France and West Germany, as recommended by the Royal Commission on Coal (1959)**

by A. Brown. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1960. v, 82 p. : ill. (Report ; FMP 60/184-MIN)  
MICROLOG 90-04538 1 fiche

On the recommendation of the Royal Commission on Coal (1959), 6 Canadians visited the U.K. to inquire into mechanized coal-getting operations and other matters related to coal mining, to make available to the Dominion Coal Company of Sydney, N.S. information on current coal mining operations in the U.K. Immediately following the visit to the U.K., two people examined mining operations in West Germany and France as these countries were also included in the above recommendations.



The paper describes power-loading, coal conveying equipment, bulk sampling of coal, coal-fired electrical generating stations, and labour-management relations.  
 • CA CM NR SC

#### **Report on Land Titles Pilot Project conducted within Albert County, New Brunswick, 9 July 1984 to 31 March 1987**

by J.F. Doig. Fredericton : Council of Maritime Premiers, Land Registration and Information Service, 1987. 102 p. : ill. Bibliogr.  
 MICROLOG 90-06498 2 fiche

This report describes the Albert County land titles pilot project and its background. Albert County was designated as a land titles district in 1984. A pilot project based upon the compulsory registration of land under the land titles system on transfer for valuable consideration, was operated from July 1984-March 1987. The report covers the establishment of the project, the organization and preparation, and the actual project.  
 AP PL PR SC

#### **Report on notice requirements in proceedings against municipal bodies**

Vancouver, B.C. : Ministry of Attorney General, Law Reform Commission of British Columbia, 1990. iii, 49 p. Bibliogr. (Report ; LRC 109) ISSN 0843-8908 ISBN 0-7718-8919-4  
 MICROLOG 90-03824 1 fiche

Covers the legal background, scope and application of the notice requirement, and whether the notice requirement should be retained. It also includes recommendations.  
 BC JU MU PR

#### **Report on property rights on marriage breakdown**

Vancouver, B.C. : Ministry of Attorney General, Law Reform Commission of British Columbia, 1990. iii, 73 p. Bibliogr. (Report ; LRC 111) ISSN 0843-8908 ISBN 0-7718-8937-2  
 MICROLOG 90-05027 1 fiche

The division of family property on marriage breakdown is one of the subjects the Commission is called upon to examine. This document presents the background to the current law and gives a general discussion on the directions for reform. Recommendations for revising the current law to clarify the philosophy, is also included  
 BC JU PR

#### **Report on public information meetings on forest development in northern Alberta**

submitted to the Minister of Forestry, Lands and Wildlife. Calgary, Alta. : Concord Scientific Corporation, 1989. vii, 93 p.  
 MICROLOG 90-03860 2 fiche

The Ministry initiated a series of open houses and public meetings in 40 communities across northern Alberta, and an information meeting in Fort Smith, NWT, from February to May 1989 to convey information on the role of the Department in management of the forests, public lands, and fish and wildlife and recently announced forestry developments. The meetings also provided the public with opportunities to express concerns and ask questions on forest management and development both in the meetings and by questionnaire. This study presents the subjects raised and some of the responses given by the department and proponent representatives at the open houses and public meetings. In addition, key issues raised by the public through written responses to the questionnaire and from an analysis of local, regional and national newspapers are identified.  
 AL FO PR SC

#### **Report on public response : proposed apartment incinerator regulation**

Toronto : Environment Ontario, 1988. 18, 23 p. Bilingual (*Rapport sur les observations...*) ISBN 0-7729-3887-3  
 MICROLOG 90-01246 1 fiche

Numerous public complaints as well as ministry testing showed that the approximately 1200 apartment incinerators located throughout Ontario are environmentally unacceptable. A regulation was proposed to prohibit their operation and public comment was solicited on the regulation by direct mailings and through newspaper advertisements. This paper gives background information on the issue, a summary of the public comments and a plan of action. The proposed regulation is included.  
 EV ON PR SC

#### **Report on rationale for utilizing solidification in a hazardous waste treatment facility**

Engineering-Science. Toronto Ontario Waste Management Corporation, 1988. i, 38 p. Bibliogr.  
 MICROLOG 90-02904 1 fiche

Assessment of the rationale for the use of solidification as a final treatment step for all liquid and nonliquid waste residues generated by the physical/chemical processes and incineration plant at the proposed Ontario Waste Management Corp. facility. The assessment was carried out using industry experience and regulatory practice in the U.S. as a starting point. Ultimate disposal methods addressed in the review include engineered landfills, above-ground warehouses, and geological isolation, with the emphasis on landfill disposal.  
 EV ON PR SC TR

#### **Report on reconnaissance work in the M1, M2 and Quik 1 claims, Chantry Inlet, N.W.T.**

by P. Cerny, M.A. Wise and P. Tomascak. Yellowknife : Indian and Northern Affairs Canada, NWT Geology Division, 1988. 38 p. : ill., maps. Bibliogr.  
 MICROLOG 90-00030 1 fiche

A reconnaissance study was carried out on the areas staked by Megagem, Inc. as the M1, M2 and Quik 1 claims, on the eastern shore of Chantry Inlet between July 31 and August 19, 1988. Due to adverse weather conditions, actual time in the field was reduced to 8 days. This report is based on field observations and is restricted to geological observations.  
 NO NR PR PS SC

#### **Report on recovery of gold from Nova Scotia sulphide concentrates**

prepared by L.A. Adorjan, for the Dept. of Energy, Mines and Resources, CANMET, MSL Division. Halifax : Technical University of Nova Scotia, Minerals Engineering Centre, 1990. iv, 47 p. : ill. CANMET contract. 89166-01-SS.  
 MICROLOG 90-05674 1 fiche

Samples of sulphide concentrate accumulated as a byproduct contain 15-280 g/t gold, which thus makes it a valuable feed material for further processing. Although there are other elements present, these quantities are not economic for recovery. The test work was carried out to establish suitable methods for the recovery of gold. Cyanidation was used on samples as received and also on samples ground to various finenesses. Variables such as pH, pre-aeration, and introduction of oxygen by hydrogen peroxide were tested and optimized. Since the distribution of gold in these concentrates is relatively coarse, shaking tabling was also tested.  
 • AP CA CM NR PS SC

#### **Report on referees**

Edmonton : Alberta Law Reform Institute, 1990. i, 74 p. Bibliogr. (Research paper ; no. 18) ISSN 0838-0503 ISBN 0-8886-4156-7  
 MICROLOG 90-03549 1 fiche

Although Alberta law permits the use of referees for a variety of court proceedings, they are very seldom used in this province. This document determines whether the referee process could, and should, be used more often in Alberta  
 AL JU PR

#### **Report on seniors' volunteer work and unpaid help to others**

Canada. National Advisory Council on Aging. Ottawa : The Council, 1989. 29 p. : ill. MICROLOG 90-01201 1 fiche

This report presents a review of the information collected by the 1985 General Social Survey and provides a view of what seniors are contributing to others.  
 CA SA

#### **Report on set-off**

Vancouver, B.C. : Ministry of Attorney General, Law Reform Commission of British Columbia, 1988. iii, 110 p. Bibliogr. (Report ; LRC 97) ISSN 0843-8908 ISBN 0-7718-8696-9  
 MICROLOG 90-03819 2 fiche

Set-off is a technical defence. It allows cross demands between parties to be heard in the same proceedings when the obligations of the parties should be resolved on a net basis. This report examines set-off to determine how well this ancient concept operates in modern law and why it survived the introduction of rights of counterclaim.  
 BC JU PR

#### **Report on the 1965 International Conference on Modern Trends in Activation Analysis, College Station, Texas, and of a visit to the Department of Nuclear Engineering, Georgia Institute of Technology, Atlanta, Georgia**

by H.P. Dibbs. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 5 p. (Report ; MS 65-51)  
 MICROLOG 90-04630 1 fiche

Report on the conference devoted to activation analysis, emphasizing neutron activation analysis; the use of sealed-tube sources in neutron generators, and forensic, biological and metallurgical applications. A visit to Georgia Institute of Technology and their 5 MW heavy water cooled and moderated reactor is also described  
 • CA CM EN PS SC

#### **A Report on the 1984 field season of archaeological investigations at the Customs House at the Klondike National Historic Sites, Dawson City, Yukon**

by T.M. Naughten. Ottawa : Environment Canada, Canadian Parks Service, 1990. 16 p. : ill. Bibliogr. (Research bulletin ; no. 279) French ed. (*Rapport sur les fouilles...*) on the same fiche. ISSN 0228-1228  
 MICROLOG 90-04608 1 fiche

Description of the archaeological investigations conducted at and around the Customs House in Dawson City in 1984. Detailed maps and diagrams are given of the structure and the area, and photographs of the structure are also included.  
 CA CU NO



**Report on the 1987 Community Workshops with Visible Minority and Immigrant Women**

Information Workshops for Visible Minority and Immigrant Women (1987 : Ontario). Toronto : Ontario Women's Directorate ; Ministry of Citizenship, 1988. 132 p. ISBN 0-7729-4612-4  
MICROLOG 90-01579 2 fiche

This report highlights the following discussions from the workshops: language training; skills training; employment and pay equity, family violence; child care; and housing.  
ON PR SA

**Report on the 1987 Constitutional Accord**

Manitoba. Task Force on Meech Lake. Winnipeg : The Task Force, 1989. 104 p. French ed. (*Rapport sur l'Accord...*) : 90-00684/2  
MICROLOG 90-00681 2 fiche

Presents the results of public hearings which determined the view of Manitobans on the Accord in the form of a consensus report which contains nine recommendations, six of which require amendment to the Accord.  
CI MS PA PR

**Report on the 1988 discharges from sewage treatment plants in Ontario**

Ontario Water Resources Branch. Toronto : Ministry of the Environment, 1989. vi, 609 p. CSI 55123.079. ISSN 0840-7142  
MICROLOG 90-02030 7 fiche

Comprehensive annual summary of the performance of all sewage treatment plants in Ontario, assessing biochemical oxygen demand (BOD), suspended solids (SS), and total phosphorus (TP) against sewage effluent quality guidelines. This 1988 report is the first to assess these parameters against the limits stipulated in the certificate of approvals (C of A) for some plants. The report presents a brief summary of the number of plants failing BOD, SS and/or TP with effluent guidelines and C of A, discusses a comparison of plants exceeding effluent guidelines between 1981 and 1988; and highlights plants that did not provide sufficient data for assessment and plants that exceeded effluent guidelines for 3 successive years. The report also lists all plants exceeding effluent guidelines and indicates if they have remedial actions; gives a summary of the plants that did not comply with their C of A, provides a plant by plant summary of monthly averages for flows concentrations and loadings of the parameters assessed, and provides a monthly summary of duration, volume and number of instances of primary bypass and secondary bypass data.  
EV ON PR PW SC ST

**Report on the 1988 industrial direct discharges in Ontario**

Ontario Water Resources Branch. Toronto : Ministry of the Environment, 1989. 445 p. CSI 55123.020. ISSN 0838-519X  
MICROLOG 90-02029 5 fiche

This annual update of the status of all industrial direct dischargers in Ontario includes monthly and yearly average loadings and effluent limits; actual monthly and yearly loadings vs. limits; fish toxicity test results where available; and trend analysis for petroleum refining, pulp and paper mills, and primary steel producers. Descriptions of the various effluents limits as requirements (by a legal document) or guidelines (a desirable objective), the company self-monitoring and the Ministry audit program, and the various sources and their effluent loadings are given. The report also includes a discussion on compliance, a table of new Ministry enforcement actions, tables of remedial actions for sources not meeting limits criteria, and a progress report on the Municipal

Industrial Strategy for Abatement - MISA Program.  
EV ON PR SC ST

**Report on the actual hospital cost of clearly identifiable alcohol and drug dependencies**

by Kenneth R. Thornton...et al. Victoria : Ministry of Labour and Consumer Services, Alcohol and Drug Programs, 1990. 44 p. : ill. Bibliogr. CSI 37113.202.  
MICROLOG 90-06795 1 fiche

A Study was undertaken of patients in whom alcohol or drug dependency had induced disease of a florid recognizable type and in whom virtually all costs could be attributed to the dependency. This report contains the results of that study. It discusses the identification of alcohol and drug dependency, costing alcohol and drug dependency, and the study findings.  
BC HE PR SA ST

**Report on the administration of the Rent Regulation Program, 1988-89**

Winnipeg : Manitoba Housing, Landlord and Tenant Affairs, 1989. 43 p. : ill. CSI 41115.003  
MICROLOG 90-02151 1 fiche

Contains a report of activities extending across fiscal years, an activity summary, and a review of the Manitoba residential rental housing market for Winnipeg, Winnipeg districts, Brandon, and rural areas. It also includes a report of the Rent Appeals Branch.  
MS PL PR SA ST

**Report on the Commercial Tenancy Act**

Vancouver, B.C. : Ministry of Attorney General, Law Reform Commission of British Columbia, 1989. vi, 184 p. Bibliogr. (Report : LRC 108) ISSN 0843-8908 ISBN 0-7718-8908-9  
MICROLOG 90-03066 2 fiche

This report addresses the following questions concerning the Act: Are all its provisions relevant to the needs of the late 20th century? Are there anachronisms that should be eliminated? Of those provisions that remain relevant, which should be expressed in more modern and accessible language? Are there aspects of the law, on which the Act is silent, that seem to call for statutory intervention to clarify and modernize them? Should the provisions of other enactments that apply mainly to commercial tenancies be consolidated with the Act?  
BC JU PR

**Report on the comprehensive review of unemployment insurance regions, 1989**

Ottawa : Employment and Immigration Canada, 1989. 23, 24 p. : maps. Bilingual (*Rapport sur la revue...*).  
MICROLOG 90-00761 1 fiche

This paper reports the results of the comprehensive review of the economic regions used in the administration of the unemployment insurance program and outlines background information of the considerations that led to a reconfiguration of the current set of unemployment insurance economic regions.  
CA LA SA

**Report on the CPA/Alberta Environment/ERCB Waste Management Workshop**

prepared by Paul Wotherspoon and Associates Inc. and David Bromley Engineering (1983) Ltd. Calgary, Alta. : Canadian Petroleum Association, 1989. 45 p.  
MICROLOG 90-07338 1 fiche (Available on fiche only)

Summary of the topics discussed at the workshop, whose objectives were to define acceptable disposal options which are currently available to the industry; develop disposal guidelines for each waste type identified by the CPA; define any interim solutions where further actions are needed to arrive at final guidelines; and develop action plans for resolving outstanding interim decisions and areas for future waste management strategies. The goal of the discussion was to reach industry/government consensus on environmentally responsible waste management practices for oilfield wastes in the province of Alberta.  
• AL CA EN EV PR SC

**A Report on the development of roasting technology for gold bearing arsenical sulphide concentrates**

by R. Gilders. Fredericton : New Brunswick Research and Productivity Council, 1989. 53 p. : ill. Bibliogr. CANMET contract: 89241-01-SQ.  
MICROLOG 90-00184 1 fiche

The initiative to apply roasting technology to gold roasting follows from work for Giant Yellowknife Mines Ltd. on crude arsenic baghouse dust to recover pure arsenic trioxide leaving a gold residue calcine for treatment by cyanidation. This arsenic fuming test facility was modified to provide a 2-stage laboratory-scale fluidized bed roaster for the process development in the treatment of gold-bearing arsenical sulphide concentrates to meet the needs of the Canadian mining industry. This report outlines the plant modifications and preliminary commissioning runs (March 20-31) and 3 commissioning runs (April 10-12, April 17-20 and May 2-3).  
• CA CM NR PS SC

**Report on the District Workshops on Homelessness for I.Y.S.H., 1987**

District Workshops on Homelessness (1987 : Yellowknife, N.W.T.). Yellowknife : Northwest Territories Housing Corporation, 1987. 72 p.  
MICROLOG 90-02656 1 fiche

This publication provides a record on the six workshops of homelessness which were held during the summer and early fall in: Yellowknife, co-ordinated by the Dene Nation, and Hay River, Eskimo Point, Inuvik, Cambridge Bay, and Iqaluit co-ordinated by the NWT Housing Corporation. The report consists of: background information on IYSH and the workshops; a summary of the issues and recommendations raised at the workshops; concerns expressed by participants to the workshops; recommendations raised; and responses from government departments to the recommendations.  
NO NP PR SA

**Report on the eligibility and benefit verification project and related initiatives**

Edmonton : Alberta Family and Social Services, Income Support Branch, 1989. 9 p. : ill. MICROLOG 90-02282 1 fiche

This project started on a test basis for six months. During that period, one district office in each of the six regions and ten verification officers were involved. It was meant to identify and reduce fraud and error. This document reviews the project, and provides the 1988-89 eligibility and benefit verification analysis.  
AL PR SA

**Report on the enduring power of attorney : fine tuning the concept**

Vancouver, B.C. : Ministry of Attorney General, Law Reform Commission of British Columbia, 1990. ii, 38 p. Bibliogr. (Report : LRC 110) ISSN 0843-6053 ISBN 0-7718-8934-8  
MICROLOG 90-04768 1 fiche



Discusses the problem of springing powers of attorney, techniques for creating a springing power of attorney, New York's statutory solution, analysis of the New York legislation, and recommendations for reform. It also covers housekeeping and unfinished business. BC JU PR

### Report on the English property (McKeen Quarry), Pictou County

by G.B. Dickie. Halifax : Dept. of Mines and Energy, 1987. 28 p. : maps. Bibliogr. (Open file report : 87-023)  
MICROLOG 90-02567 1 fiche

The English property is approximately 150 acres in the east end of the town of Pictou, Nova Scotia. An old building stone quarry, known as the Fogo or McKeen quarry, is located in the central part of the property. In 1986, holes were drilled to determine the remaining reserves of building stone. Additional testing was carried out more recently on the drill core and quarry samples to determine the suitability of the sandstone for rip rap, fill and coarse aggregate. This report presents the results of that work.  
AP NR PR SC

### Report on the estimated impacts of MISA : implementation on wastewater treatment residual production by selected industrial sectors in Ontario

Canviro Consultants Ltd. Toronto : VHB Research & Consulting Group, 1989. vi, 125 p. Bibliogr. Produced under contract for the Ontario Waste Management Corporation.  
MICROLOG 90-02877 2 fiche

Report to quantify the potential impact of the Municipal and Industrial Strategy for Abatement (MISA) implementation on subject waste generation in Ontario. The study was limited to direct and indirect discharges from iron and steel, metal finishing and metal casting, organic and inorganic chemical and metal finishing industries. Information on wastewater quality currently discharging by direct dischargers was obtained from the 1986 industrial monitoring and information systems database. A number of potential scenarios were assumed regarding the effluent standards likely to be imposed as a result of MISA implementation. Assumptions were made on the technologies likely to be used to achieve these effluent standards, and the dry solids produced by these technologies and the required effluent standards were calculated.  
EV ON PR SC

### Report on the final evaluation of the Canada-British Columbia Forest Resource Development Agreement, 1985-90

produced for the Canada-British Columbia Forest Resource Development Agreement ; prepared by Touche Ross & Co. ; in association with T.M. Thomson & Associates Ltd. S.I. : Touche Ross, 1990. vii, 73 p. : ill.  
MICROLOG 90-05019 2 fiche

The Agreement came into existence in May 1985 as a major regional economic development initiative designed to enhance and sustain B.C.'s forest resource base and to strengthen the employment potential of the forestry sector in the province. This report evaluates the overall effectiveness of the Agreement in meeting its objectives; assesses the employment and overall economic and social impact of the backlog reforestation and intensive forest management programs on a regional basis; determines the contribution to the long-term wood supply of the province resulting from the silviculture activities; assesses the R&D programs for quality of research, applicability of results and the economic impact, and provides recommendations to assist in shaping the structure, funding, duration, implementation and management of any such

agreement in the future.

• BC CA FO SC

### A Report on the Green Plan consultations

Ottawa : Environment Canada, 1990. 137 p. ISBN 0-662-18079-8  
MICROLOG 90-06827 2 fiche

This document is a summary of what Canadians, who participated in the consultations, had to say about environmental issues and concerns, the solutions, roles and responsibilities, and priorities for action. It is based on detailed reports from 41 information sessions and 17 consultation workshops held across Canada. It is based on some 3,000 pages of comments and suggestions, an analysis of 4,500 question response forms, and written submissions from more than 1,000 individuals and organizations. The report is organized into two sections. The first section deals with such cross-cutting themes as science, education, enforcement, decision-making processes, and partnerships. The second section deals with specific environmental issues identified in the consultation document, such as global warming and toxic substances, and the publicly identified issues, including energy and land use.  
CA EV SC

### Report on the independence of provincial judges

Winnipeg : Manitoba Law Reform Commission, 1989. viii, 167 p. Bibliogr. (Report ; no. 72) ISBN 0-7711-0857-5  
MICROLOG 90-00439 2 fiche

This publication contains an examination of the historical and constitutional context in which the Provincial Court operates, as well as the jurisdiction of the judges of this Court. It deals with the method by which judges of the Provincial Court should be appointed and discusses the method by which the remuneration of the provincial judiciary should be set. In addition, it offers some comments concerning pensions and supernumerary status and considers the policies and procedures of Manitoba's judicial disciplinary process. It also proposes the creation of an evaluation program for provincial judges, explores the topic of judicial immunity, reviews issues relating to the Chief Judge, and concludes with recommendations.  
JU MS PR

### A Report on the International Fisheries Energy Optimization Workshop

by R. Buxton and D. Robertson. Halifax : Dept. of Fisheries and Oceans, Scotia-Fundy Region, Fisheries Development Program, 1989. iii, 28 p. (General education series ; no. 10) ISSN 0835-7005 ISBN 0-662-17376-7  
MICROLOG 90-04864 1 fiche

This first meeting of the working group consisted of 47 delegates from 13 countries (including 29 from Canada). They reviewed energy optimisation programs in different countries; developments in harvesting technology with implications for energy optimisation; developments in vessel design and construction which would assist energy optimisation; how to transfer energy saving technology to those who might profit by it, particularly those in artisanal fisheries; more futuristic opportunities for energy optimisation; and how the IFEQ working group could work effectively to carry out its mission. Several samples of these were contained in papers distributed to delegates, and presented in summary form with discussion at plenary meetings of the working group. Smaller group sessions then discussed these and other opportunities for energy saving and their applicability in particular types of fisheries.  
CA CF EN FI SC

### Report on the liability of the Crown

Toronto : Ontario Law Reform Commission, 1989. xiv, 137 p. Bibliogr. Bilingual executive summary (8, 9 p.) laid in. ISBN 0-7729-6446-7  
MICROLOG 90-06082 2 fiche

The project on the liability of the Crown was initiated in March, 1986 to examine the legal liability of the Crown in right of Ontario and to make recommendations for reform. This document presents the Commission's ideas concerning ways to make the law fairer to both Crown and citizen, ways to bring the law into conformity with the general principles underlying the Canadian Charter of Rights and Freedoms, and ways to simplify the law.  
JU ON PR

### Report on the ocean science and technology sector of the oceans industry of British Columbia

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. vii, 34 p. Bibliogr. (Economic and commercial analysis report ; no. 25) ISSN 0843-5626  
MICROLOG 90-01439 1 fiche

Canada's offshore area supports the oceans industry, companies which use the ocean's renewable and non-renewable resources such as fishing, aquaculture, mining, recreation, and oil and gas exploration and development, and companies which supply ocean users with goods and services such as shipping, shipbuilding, and a diversified range of highly specialized science and advanced technology-based products. In 1987, the federal government announced an oceans policy for Canada, the main strategy of which involves the promotion of the Ocean Science and Technology (OS&T) sector. This report provides an overview of the OS&T sector of the oceans industry of B.C., positions the sector within the Department of Fisheries and Oceans' overall oceans mandate, speculates on the market outlook for OS&T products and services, and analyzes the factors which constrain the Sector's growth.

• BC CA NR PS SC

### Report on the preliminary assessment of the geology and mineral potential of the early proterozoic Hurwitz group, District of Keewatin

by J. Patterson. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1989. 31 p. ill., maps. Bibliogr.  
MICROLOG 90-01959 1 fiche

In the past decade and a half, portions of the western Churchill structural province, previously one of the most poorly understood portions of the Canadian Shield, have been the focus of stratigraphic, structural, metamorphic and tectonically-oriented geological studies. The dominantly siliciclastic Hurwitz assemblage was modelled as a sequence deposited on a metastable craton or a geosynclinal succession. The importance of understanding the Hurwitz group in the context of the evolving Churchill province lies in the light it can shed on the development of the western Churchill structural province and other such orogenic systems. This report provides the results of geologic investigations begun in the summer of 1988. Mapping and section measuring was done in 4 areas to provide a reconnaissance look at the Hurwitz group both along and across strike to determine areas suitable for more detailed studies.  
CA NO NR PS SC

### Report on the roadcruiser accessible bus demonstration project in Newfoundland

by F. Kennedy. Ottawa : Transport Canada,



1988. vi, 125 p. *French ed. (Rapport sur le projet-pilote...)* : 90-04074/2.  
MICROLOG 90-04073 2 fiche

Detailed analysis and review of the results of a pioneer demonstration project to develop an intercity bus technology to provide an accessible transportation service for the disabled in Newfoundland. The prototype accessible bus was equipped with a fully enclosed elevator-style lift built into the bus structure and controlled by a hand-operated electronic micro-computer. This report also analyses the passenger-trips taken, the passenger market, and the economics of the service.  
AP CA PS SA SC TR

# **Report on the status of family planning and sexuality education in Nova Scotia**

Halifax : Nova Scotia Advisory Council on the Status of Women, 1990. i, 20 p. Bibliogr.  
MICROLOG 90-03412 1 fiche

This document discusses existing sexuality education programs in Nova Scotia, and the public and private costs of unplanned pregnancies. It also includes recommendations from the Advisory Council on the Status of Women.  
AP CI PR SA

# **Report on the ultimate limitation period, Limitation Act, section 8**

Vancouver, B.C. : Ministry of Attorney General, Law Reform Commission of British Columbia, 1990. iv, 90 p. Bibliogr. (Report : LRC 112) ISSN 0843-8908 ISBN 0-7718-8936-4  
MICROLOG 90-05028 2 fiche

This document addresses Section 8 and its operation, the background to the enactment of Section 8, whether there is a continued need for an ultimate limitation period, whether Section 8 should remain in its present form, the special limitation periods protecting particular classes, and transitional considerations.  
BC JU PR

# **Report on trade experiences for woodframe construction and building products**

by E.E. Buswell. Ottawa : Canada Mortgage and Housing Corporation, 1989. 38 p.  
MICROLOG 90-06836 1 fiche

Discussion of the main factors involved in marketing Canadian low-rise woodframe housing, together with design, engineering and construction expertise, manufactured wood and building materials, associated structural components and equipment in international markets (excluding the U.S. and Japan). The report first relates experiences of successful market development overseas, then comments on the philosophy involved, the methods used, and the lessons learned which could guide future market thrusts, and offer options for discussion. Information was drawn from over 28 years of experience, covering the U.K., Western Europe, the Middle East, North Africa, the Caribbean area and East Asia.  
CA PL SC

# **Report on visits to a selection of research and operating establishments in the field of petroleum processing in England and France, October 24 to November 7, 1960**

by J.P. Mogan. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1961. 26 p. : ill. (Report : FMP 60/218-PET)  
MICROLOG 90-04537 1 fiche

Summary of facilities observed at each of the establishments visited and information on techniques and 'tricks' in pilot plant design which are of present or expected use in

similar projects in the Section.  
• CA CM EN PS SC

# **A Report on vocational rehabilitation services : the delivery system**

Victoria : Ministry of Advanced Education and Job Training, 1988. iv, 46 p. Bibliogr.  
MICROLOG 90-01282 1 fiche

Presents a report of interviews conducted with representatives of external agencies and staff working at a variety of levels within government. It summarizes the kinds and importance of issues raised during the interviews. It also includes recommendations.  
BC LA PR

# **Report on wastes generated by site clean-up and decommissioning activities in Ontario**

Canviro Consultants Ltd. Toronto : Ontario Waste Management Corporation, 1988. iv, 156 p. Bibliogr.  
MICROLOG 90-04856 2 fiche

Report on the quantities of subject waste to be produced by site decommissioning and clean-up activities in Ontario in the future. Information was obtained by an extensive telephone survey of the Ontario Ministry of the Environment district and regional offices, industry contacts, consultants involved in decommissioning and site clean-up work, members of the MOE waste management branch, and the federal Environmental Protection Service. A list of site types which need such treatment is given, as well as current legislation and the level of clean-up activity in U.S. jurisdictions.  
CI EV ON PR SC

# **Report on Women : midlife and beyond : provincial conference on women and aging**

Winnipeg : Manitoba Council on Aging ; Manitoba Women's Directorate, 1989. 21 p.  
MICROLOG 90-04944 1 fiche

Summarizes the concerns discussed at the Conference including economic self-sufficiency, health issues, and health solutions proposed by delegates. It includes a list of delegates, the keynote address, suggested questions for discussion, the conference program, and the evaluation form.  
MS PR SA

# **Report to CIDA : public attitudes toward international development assistance**

Ottawa : Canadian International Development Agency, 1989. 32, 31 p. : ill. *Bilingual (Rapport à l'ACDI...)*. CSI 22199.002. ISBN 0-662-56816-8  
MICROLOG 90-01747 1 fiche

Presents the results of a national survey of 1,650 Canadian residents, 16 years of age or older, which posed questions on a variety of topics, including: world problems; Canada's role in international development; attitudes toward international development assistance; knowledge about the challenges of international development; and sources of information on international development.  
BS CA EX

# **Report to Dept. of Supply and Services on the economics of cool storage for Bell Northern Research Lab 5, Ottawa, Ontario and a comparison of chilled water with three types of ice storage modules**

S.I. : Engineering Interface Limited, 1989. 41 p. : ill. *CANMET contract: 89081-01-SQ*. MICROLOG 90-03390 1 fiche

The escalating cost of new electric generation inspired investigation of methods for levelling demand and improving electric load factors. The outstanding candidate for load levelling is

cool storage. With some electric utilities, mechanical cooling is responsible for over 50% of peak summer demand. Bell Northern Research Laboratories is a prime candidate for cool storage because cooling loads for computer room and process continue on a year round basis. This study examined the economics of cool storage and compared the viability of several types of cool storage hardware, including that which manufactured ice.  
• CA CM EN PS SC TE

# **A Report to determine the costs and benefits of the Department's truck haul contract conditions and policy alternatives**

Alberta. Alberta Transportation and Utilities. Edmonton : The Dept., 1989. iii, 113 p. : ill.  
MICROLOG 90-02292 2 fiche

This study was undertaken to determine the costs and benefits of the Dept.'s gravel truck haul contract conditions in order to develop policy options for dealing with concerns about the conditions. The investigation included a review of the industry in Alberta and elsewhere in Canada; a comprehensive survey of 40% of the truckers in the industry; development of a financial impact model; and development and assessment of 4 policy options.  
AL PA PR SC TR

# **Report to members, 1989**

Manitoba. Teachers' Retirement Allowances Fund Board. Winnipeg : The Board, 1989. 27 p. : ill. CSI 42135.003.  
MICROLOG 90-00550 1 fiche

This report includes the annual report to members; graphs displaying notable financial and statistical items; a statement of comparative statistics of significant aspects of the fund covering the period from inception in 1925 to the end of 1988; a report of the provincial auditor on his examination of the accounts of the fund for the year ended December 31, 1988; and financial statements in respect of the year ended December 31, 1988.  
CO ED MS PR ST

# **Report to Parliament for the year 1988 : commercial vehicle safety in Canada**

Canada. Motor Carrier Branch. Ottawa : The Branch, 1989. 52, 57 p. : ill. *Bilingual (Rapport présenté...)*. CSI 21123.008.  
MICROLOG 90-03171 2 fiche

Report on commercial vehicle safety, mainly addressing the question of the relationship between economic regulation and motor-carrier safety, particularly since the introduction of the Motor Vehicle Transportation Act of 1987. This federal Act regulates for-hire trucking companies and commercial bus companies. The report includes background on the introduction of federal legislation in this field, safety progress in 1988, and trends in highway accidents involving commercial vehicles. The report is primarily intended to make information available which, over time, will establish whether in fact there have been any significant trends following a relaxation of economic regulation coupled with increases in safety regulation and enforcement. Accident data is taken from 1987 and compared to 1986. The report also discusses the components of the National Safety Code.  
CA SC TR

# **Report to Parliament on the operation of the Emergency Preparedness Act, 1989-90**

Emergency Preparedness Canada. Ottawa : The Dept., 1990. 66, 70 p. *Bilingual (Rapport du Parlement...)*. CSI 22315.003. ISBN 0-662-57643-8  
MICROLOG 90-07030 2 fiche



This annual report contains information on federal planning, federal-provincial-territorial co-operation, and international co-operation. It also reports on exercises, education and training, public information, and research.  
CA JU NR

**Report to the Minister of Labour on the options relating to the achievement of pay equity in sectors of the economy which are predominantly female**

Pay Equity Commission of Ontario. Toronto : The Commission, 1989. vi, 222 p. : ill. *Executive summary (6 p.) laid in.*  
MICROLOG 90-02181 3 fiche

This report discusses reduction of percentage threshold and comparators anywhere in the organization, whether in the public or private sector. It also discusses three recommended options: proportional value, proxy comparison and average adjustment. The implications of parameters, to who and where they should go, along with a summary and recommendations, round out this report.  
CI LA ON PR SA

**Report to the Minister of Labour, 1989**

Nova Scotia Pay Equity Commission. Halifax : The Commission, 1989. 2 p.  
MICROLOG 90-04110 1 fiche

This report reviews the activities of the Commission, and includes a progress report. It also lists the members of the Commission.  
AP CI LA PR

**A Report to the Minister of Transportation by the Task Force on Improved Accessibility to Conventional Transit Services for Frail and Ambulatory Disabled Persons**

Ontario. Task Force on Improved Accessibility to Conventional Transit Services for Frail and Ambulatory Disabled Persons. Toronto : Ontario Urban Transit Association, 1988. vi, 185 p.  
MICROLOG 90-03110 3 fiche

This report describes the work program and summarizes the results of the major activities, including surveys of transit systems and bus manufacturers as well as contacts with 57 consumer and service groups to discuss their needs.  
ON PR SA TR

**Report to the Premier on oil transportation and oil spills**

by D. Anderson. Victoria : The Premier, 1989. 151 p. : ill. Bibliogr.  
MICROLOG 90-01762 2 fiche

This report is the result of 4 months of public hearings in the coastal communities of British Columbia over the summer of 1989 on recommendations to reduce marine oil spill risks and to improve response capability. The report considers the problems of oil transportation and oil spills without regard for questions of jurisdiction. Prevention, response and compensation for damage are discussed.  
BC EN EV PR SC

**Report to the Union of Nova Scotia Municipalities**

Halifax : Dept. of Municipal Affairs, 1989. 50 p.  
MICROLOG 90-07374 2 fiche

This document is a consolidation of the province's replies to all resolutions passed by the Union's annual conferences. It is arranged by ministry and includes the resolution, the name of the body which submitted it, and the response.  
AP MU PA

**Report to the Workers' Compensation Board on the CGE lamp plant issue**

Toronto : Industrial Disease Standards Panel, 1988. 36 p. Bibliogr. (IDSP report ; no. 5) ISSN 0840-7274 ISBN 0-7729-4970-0 MICROLOG 90-04971 1 fiche

In 1987, the Board referred a reported excess of breast and gynaecological cancers among female workers in the Coiling and Wire Drawing Dept. at the Toronto Dufferin St. plant of the Canadian General Electric Co. to the Panel. In August of 1983, an epidemiological investigation was begun. Issues reviewed by the Panel were the question of a probable connection between breast and gynaecological cancers among the workers in that department and the considerations relevant to the awarding of compensation. This report summarizes the panel investigation, the information relating to the issues, and the findings.  
HE LA ON PR

**Reports of study committees to the Minister of Education on second language instruction**

Fredericton : Dept. of Education, 1989. 27, 16 p. *Bilingual (Rapports des comités d'études...)*  
MICROLOG 90-00257 1 fiche

This report is divided into six sections. policy, programs, staffing, evaluation, related considerations and funding. Each section contains a number of recommendations introduced by a rationale.  
AP ED PR

**Reports of the first and second meetings of public interest groups with the Canadian Environmental Advisory Council**

Ottawa : Canadian Environmental Advisory Council, 1978. iv, 124 p. Bibliogr. (Report ; no. 7) ISBN 0-662-10032-8 MICROLOG 90-02429 2 fiche

For several years, the Council has been concerned about the effectiveness of public interest groups in increasing the awareness of Canadians to environmental problems and issues. To examine this matter, Council decided to initiate a discussion with such groups. Representatives of some 30 environmental non-governmental organizations were invited to meet with members of Council in March 1977 and a similar and somewhat larger group met again in November 1977. The first meeting provided an opportunity for Council to become better acquainted with the problems and objectives of the public interest groups. The second meeting examined several specific environmental issues and continued the discussion of the responsibility and effectiveness of public interest groups. This report contains summaries of both meetings.  
CA EV SC

**Reports of the Retirement Benefit Committee on the level and structure of CPP retirement benefits**

Canada Pension Plan Advisory Board. Retirement Benefit Committee. Ottawa : The Board, 1989. 49 p. : ill. *French ed (Rapports du Comité sur le niveau...)* : 90-06521/1.  
MICROLOG 90-06189 1 fiche

The Board is a statutory body whose members are private citizens appointed to represent employees, employers, self-employed persons and the public. Its role is to review the operation of the CPP, the state of the CPP Investment Fund and the adequacy of coverage and benefits payable under the Plan. These reports examine the adequacy of the current CPP retirement benefit system and investigate the need and the costs of various possible

increases in benefits  
• CA CO

**Reports, maps and geoscience databases**

compiled by Doreen Fehr. Victoria : Province of British Columbia. Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1989. 48 p. (Information circular ; 1989-19) ISSN 0828-6094  
MICROLOG 90-01758 1 fiche

Listing of annual reports, Geology, Exploration and Mining in British Columbia reports, bulletins, geological fieldwork annual, papers, open files, information circulars, general maps, preliminary maps, Mineral Development Agreement reports, publication indexes, and databases available from the B.C. government  
BC NR PR PS SC

**Représentants diplomatiques, consulaires et autres au Canada**

Ottawa : Ministère des affaires extérieures, 1989. 109, 106 p. *Bilingue (Diplomatic, consular and other...)* ISBN 0-660-54839-9 MICROLOG 90-00006 3 fiche

Ce document porte sur l'ordre de préséance des corps diplomatiques et des représentants consulaires. Y sont aussi abordés les organisations internationales, les fêtes nationales et les congés statutaires pour l'année 1989-90.  
• CA EX PA

**Reproduction and sex composition of the North Atlantic rock grenadier**

by P.I. Savvatimskii. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 31 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5389) *Originally published in Russian, by PINRO, at Murmansk, U.S.S.R.* ISSN 0704-3716 MICROLOG 90-01549 1 fiche

The study of the ecology of grenadiers of the North Atlantic is important to the further development and improvement of deep-sea fishing. To date, the mode of life of grenadiers has not been studied sufficiently because of their deep-sea habitat. Different and often contradictory information is given in the scientific literature on their distribution, migrations, fecundity and spawning seasons and duration; all of which are presented in this paper.  
• CA CF FI LS SC

**La Reproduction féminine, la Charte canadienne des droits et libertés et la Loi canadienne sur la santé**

par S.L. Martin. Ottawa : Conseil consultatif canadien sur la situation de la femme, 1989. iv, 128 p. Bibliogr. (Document de référence ; DR 1989-2F) *L'éd. anglaise (Women's reproductive health...)* : 90-05249/1. ISBN 0-662-95649-4  
MICROLOG 90-06138 2 fiche

Etant donné leur rôle dans la reproduction humaine, les femmes ont des besoins distincts en matière de soins de santé. Selon Statistique Canada, 70 % des hospitalisations de femmes âgées entre 20 et 44 ans sont attribuables à leur capacité de porter un enfant et aux maladies touchant leurs organes reproducteurs. Ce document se penche particulièrement sur les sources et les formes de réglementations relatives à l'hygiène de la reproduction des femmes, la prestation des services de santé et la loi canadienne sur la santé; et, la prestation des services de santé et la charte canadienne des droits et libertés.  
CA HE LS SC



### Reproductive biology of Pacific cod and English sole from the cruise of the *FV Blue Waters* to Hecate Strait, January 30 to February 11, 1989

by R.P. Foucher...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 85 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2026) ISSN 0706-6473  
MICROLOG 90-01065 1 fiche

Results of the 4th cruise in a series in Hecate Strait to study the reproductive biology of Pacific cod and English sole. The study collected samples to determine gonosomatic index, sex ratio, size at 50% maturity, and ovary ripening stage for a description of the annual maturation cycle in both species. In addition, biological samples were taken to describe fecundity as a function of body weight and age for Pacific cod, and to preserve samples of the ovaries for histological preparation for microscopic examination of the progressing of oocyte development in English sole.

• BC CA CF FI LS SC

### Requirements of carp and rainbow trout for essential amino acids

by C. Ogino. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5437) Originally published in Japanese ISSN 0704-3716  
MICROLOG 90-00616 1 fiche

The essential amino acid requirements of fish are found by rearing fish on feed in which all or part of the feed proteins are replaced by amino acid mixtures, calculated through the relationship between the acids in the feed and the weight increase rates of the fish. This paper presents the results of an experiment in which the essential amino acid compositions of fish body proteins were used as a standard to find the essential amino acid requirements for carp and rainbow trout. The protein essential amino acid compositions were tested in conjunction with the volumes of proteins contained in the feed, the feeding rates, and the digestive absorption rates of proteins.

• CA CF FI LS SC

### Research and development : tax policy

by O. Madore. Ottawa : Library of Parliament, Research Branch, 1989. 12 p. Bibliogr. (Current issue review ; 89-9E) French ed. (*Recherche et développement...*) on the same fiche. ISBN 0-660-13559-0  
MICROLOG 90-05354 1 fiche

This paper examines the basis for government intervention in the area of tax incentives and gives an historical overview of tax incentives for industrial research and development. It includes some comments on the advantages and disadvantages of tax incentives for scientific research.

CA CI CO PA

### Research and development in Canada

by O. Madore. Ottawa : Library of Parliament, Research Branch, 1989. 28 p. Bibliogr. (Background ; BP-213E) French ed. (*Recherche-développement...*) on the same fiche. ISBN 0-660-13490-X  
MICROLOG 90-05360 1 fiche

This document contains an overview of the research and development situation in Canada to illustrate the relative importance of the federal government, industry, and universities in this field. It evaluates industry and university research and development activities in order to demonstrate the effect of government innovation policies. It also comments on federal

government intervention.  
CA PS SC

### Research and development in the earth sciences : final report

by M. Wojciechowski. Ottawa : Canadian Geoscience Council, 1989. xvii, 96 p. : ill. CS/ 22190 200  
MICROLOG 90-03345 2 fiche (Available on fiche only)

Examination of funding trends in R&D in the earth sciences in Canada, including the activities of federal and provincial governments, industry, and universities. The relevance of earth-science-related R&D is considered in the light of the economic importance and probable future of the mineral sector. Comparisons are made with the other academic disciplines and resource sectors in Canada, and with earth sciences and the mineral industry in the OECD countries of Australia, Finland, France, the Federal Republic of Germany, Sweden, the U.K. and the U.S.

CA NR PS SC ST

### Research and development in the mineral sector

by M.J. Wojciechowski. Ottawa : Energy, Mines and Resources Canada, Canada Centre for Mineral and Energy Technology, 1989. vii, 87 p. : ill. Bibliogr. (CANMET report ; no. 89-2E) ISSN 0707-5196  
MICROLOG 90-05995 2 fiche

Examination of funding trends in R&D in the mineral sector, including the activities of federal and provincial governments, industry, and universities in mineral-related R&D. The relevance of mineral-related R&D is considered in the light of the economic importance and probable future of the mineral sector, to evaluate the current funding trends. Comparisons are made with other academic disciplines and resource sectors, and with mineral R&D and the mineral industry in 7 other OECD countries (Australia, Finland, France, the Federal Republic of Germany, Sweden, the U.K. and the U.S.). Data is taken from published sources, special compilations, interviews, on-site visits and correspondence.

• CA CM NR PS SC

### Research and development in the mineral sector : final report

prepared by Margot J. Wojciechowski ; for CANMET. Kingston, Ont. : Queen's University, Centre for Resource Studies, 1989. x, 95 p. : ill. Bibliogr.  
MICROLOG 90-01314 2 fiche (Available on fiche only)

Examination of funding trends in R&D in the mineral sector in Canada, including activities of the federal and provincial/territorial governments, industry, and universities in mineral-related R&D. The relevance of mineral-related R&D is considered in the light of economic importance and probable future of the mineral sector to evaluate the current funding trends. Comparisons are made with other academic disciplines and resource sectors in Canada, and with mineral R&D and the mineral industry in Australia, Finland, France, the Federal Republic of Germany, Sweden, the United Kingdom and the U.S.

• CA NR SC

### Research and development of multi-motor AC propulsion systems : final report

University of Toronto. Dept. of Electrical Engineering. Ottawa : Transport Canada, Research and Development Centre, 1980. xi, 267 p. : ill. Bibliogr.  
MICROLOG 90-00369 3 fiche

Conclusion of a research program undertaken for the development of an AC propulsion system. Steady-state and dynamic tests on a test set-up with 2-150 hp AC squirrel cage

motors were performed to consolidate the research findings of 2 previous reports. In this final report, the objectives and details of the test results, along with the basic design relationships useful in specifying component ratings, are presented. The specifications, basic operation and detailed system descriptions of the units are provided.

CA PS SC TR

### Research and development opportunities for advancing highway freight transport technologies

by S. Vespa and P. Toogood. Montreal : Transportation Development Centre, 1989. xxxix, 121 p. Bibliogr. French ed. (*Créneau de recherche...*) : 90-04099/2  
MICROLOG 90-01736 2 fiche

Examination of current technological issues in highway freight transport and identification of research areas that cover technologies spanning vehicle, driver, infrastructure, operations, compliance with regulations, and collection of exposure and accident data. Technology assessment and diffusion are discussed in relation to the needs of government and industry and R&D in highway freight transport technologies is presented for federal government and Transport Canada objectives, priorities and responsibilities. From this perspective, objectives and sub-objectives for an R&D program to be conducted by the Transportation Development Centre are proposed that respond to the federal government mandate and to industry needs. Information was gathered from a literature survey and from interviews with, and written comments from, representatives of several federal government departments and 6 provincial governments, various manufacturers, operators and industry associations, and researchers in federal, provincial and university laboratories.

CA SC TR

### Research and development in Manitoba mines, task 1A : vertical block mining (VBM) design guidelines : summary

prepared by Golder Associates Ltd. ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. x, 62 p. : ill. Bibliogr. CANMET contract: OSQ84-00403.  
MICROLOG 90-05679 1 fiche

A study into the application of vertical block mining (VBM) at Inco's Thompson Mine was undertaken to develop design guidelines to provide information that could be used by Thompson to increase efficiencies or by another mine to examine in detail the application of the method to steeply dipping orebodies. The study addresses cut-and-fill mining; data collection systems; VBM stage design; drilling and blasting; support requirements, and stoping procedures. This document provides a summary of each of these topics.

• CA CM MS NR PS SC

### Research and development in Manitoba mines, task 1A : vertical block mining (VBM) design guidelines, chapter 1 : cut and fill mining : final report

prepared by Steffen Robertson and Kirsten (B.C.) Inc. ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. ii, 62 p. : ill. Bibliogr. CANMET contract: OSQ84-00403.  
MICROLOG 90-05669 1 fiche

This chapter of the study describes cut-and-fill stoping as it is practiced in Manitoba and examines the potential for improvements, especially of the procedure used at Inco's Thompson Mine in those areas where vertical



block mine stoping is not appropriate. Cost and productivity applicable to Manitoba cut-and-fill operations are developed and compared with experience elsewhere. Cut-and-fill operations are described at the Thompson Mine and the Trout Lake Mine, representing the application of the method to narrow and wide orebodies respectively.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 1A : vertical block mining (VBM) design guidelines, chapter 2 : data collection systems, vol. I report : final report**

by G. Greer, R. Platford, R. Proulx ; by Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. iv, 88 p. : ill. Bibliogr. *CANMET contract: OSQ84-00403.* MICROLOG 90-05668 2 fiche

The vertical block mining (VBM) design guidelines consists of 7 chapters, published separately, of which this is chapter 2, vol. I. At Thompson Mine, a data collection system was developed based on the case histories from the mining of 127 vertical crater retreat blocks. The database was separated into 2 sections. The geotechnical database included categorizations such as geology, structure, strength and rock mass quality, including the concept of stress and the effect of the redistribution of stresses through the use of visual monitoring and field instrumentation techniques. The mine operational database was separated into categories such as stope geometry, development, drilling, blasting and mucking. Mining efficiency, measured from the combination of parameters from these groupings, was subsequently derived from the mine operational database.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 1A : vertical block mining (VBM) design guidelines, chapter 2 : data collection systems, vol. II, appendices A-F : final report**

by G. Greer, R. Platford, R. Proulx ; by Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. 380 p. : ill. *CANMET contract: OSQ84-00403.* MICROLOG 90-05670 4 fiche

The vertical block mining (VBM) guidelines consist of 7 chapters, published separately, of which this is chapter 2, vol. II. These appendices include a glossary of items collected in the project database, the stope data files, a case study of the development of a vertical crater retreat mine database at Inco's Thompson Mine; methods of line surveys; a case history for section sketching; and a case history for field instrumentation.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 1A : vertical block mining (VBM) design guidelines, chapter 3 : VBM stope design : final report**

by G. Greer, R. Platford, R. Proulx ; by Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. iii, 160 p. : ill. Bibliogr. *CANMET contract: OSQ84-00403.* MICROLOG 90-05667 2 fiche

The vertical block mining (VBM) design guidelines consist of 7 chapters, published separately, of which this is the third. A philosophy of stope design was developed in which past experience is used to calibrate both empirical and numerical models. In turn, these models are used to assess applicable stope dimensions and to predict ground control events associated with different stoping sequences, through the use of ore value,

tonnage and prediction requirements.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 1A : vertical block mining (VBM) design guidelines, chapter 4 : drilling and blasting : final report**

prepared by Golder Associates Ltd. ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1989. 78 p. : ill. Bibliogr. *CANMET contract: OSQ84-00403.* MICROLOG 90-05666 1 fiche

The vertical block mining (VBM) design guidelines consist of 7 chapters, published separately, of which this is the 4th. This chapter describes drilling and blasting as it relates to the VBM system of mining practised at Inco's Thompson Mine; compares these activities with like activities practised elsewhere, and assesses the potential for improvements in VBM design and operating practices.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 1A : vertical block mining (VBM) design guidelines, chapter 5 : support requirements : final report**

prepared by Golder Associates Ltd. ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. iii, 151 p. : ill. Bibliogr. *CANMET contract: OSQ84-00403.* MICROLOG 90-05665 2 fiche

The vertical block mining (VBM) design guidelines consist of 7 chapters, published separately, of which this is the fifth. This chapter develops support guidelines, based on current industry practice, accepted design procedures and experience gained at Inco's Thompson Mine. The guidelines proposed provide a rational basis for selecting support type and density to ameliorate back failure, access loss or deterioration, and hangingwall slough. Though primarily oriented towards development excavation support, the guidelines also address the requirements for stope walls.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 1A : vertical block mining (VBM) design guidelines, chapter 6 : VBM stoping procedures : final report**

prepared by Golder Associates Ltd. ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1989. 81 p. : ill. Bibliogr. *CANMET contract: OSQ84-00403.* MICROLOG 90-05664 1 fiche

The vertical block mining (VBM) design guidelines consist of 7 chapters, published separately, of which this is the sixth. This chapter describes stoping procedures for VBM as they are practiced at Inco's Thompson Mine. A description of stoping procedures at other similar operations is also provided to illustrate practical mining solutions which have evolved in somewhat different geologic environments.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 2 : ground stability evaluation with particular reference to an en echelon lensed orebody : design guidelines**

by Hudson Bay Mining and Smelting Company, Limited ; in association with International Mining Services. S.I. : Canada-Manitoba Mineral Development Agreement, 1989. xiii, 196 p. : ill., maps. Bibliogr. *CANMET contract: OSQ84-00330.* MICROLOG 90-01334 3 fiche

This study is part of a larger task which will ultimately produce guidelines for the prediction of stable stope dimensions for an echelon type deposits. This report is a state-of-the-art review of available rock mass classification systems that are relevant to the mining industry and in particular to en echelon deposits. Approximately 150 references were generated.

CA CM MS NR PS SC

**Research and development in Manitoba mines, task 2 : ground stability evaluation with particular reference to an en echelon lensed orebody, phase II : cable support trial at the Rutan operation, sill pillar**

by Hudson Bay Mining and Smelting Company, Limited ; in association with Pakalnis and Associates. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. v, 76 p. : ill. Bibliogr. *CANMET contract: OSQ84-00330.* MICROLOG 90-05671 1 fiche

Summary of a cable bolt program implemented at the Rutan operation to study the effectiveness of employing cables to support the back of an individual stope. Blasting of the 550-20JN stope (2nd lift) began April 21 and was completed July 9, 1989. Extensometer and tension gauges were used to monitor the effect of mining on the supported sill. In addition, a seismograph was located on the 430mL to monitor the affect of blasting in the vicinity of the cables.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 2 : ground stability evaluation with particular reference to an en echelon lensed orebody, phase II : cable support trial at the Rutan operation, sill pillar**

by Hudson Bay Mining and Smelting Company, Limited ; in association with Pakalnis and Associates. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. v, 76 p. : ill. Bibliogr. (Report ; MRL 90-45) *CANMET contract: OSQ84-00330.* MICROLOG 90-07134 1 fiche

The Rutan Mine, a 6,000 tpd underground operation, is located in Northern Manitoba, 760 km north of Winnipeg and 20 km east of the town of Leaf Rapids. The Rutan copper-zinc orebody is a multi-lensed, steeply dipping en echelon deposit. This study summarizes a cable bolt program that was implemented at the Rutan operation under the joint sponsorship of Hudson Bay Mining and Smelting Inc., CANMET and the Manitoba Dept. of Mines under the Canada-Manitoba Development Agreement. The overall objective was to study the effectiveness of employing cables to support the back of an individual stope. This report summarizes the cable bolt trial implemented on the 550-20Jn sill with respect to the overall effectiveness of this form of support. This was determined visually as well as through instrumentation.

• CA CM MS NR PS SC

**Research and development in Manitoba mines, task 4 : geotechnical database for ground control : geomechanical model, data retrieval system : final report**

by J.A.C. (Tony) Diering and A. (Allan) Moss ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. iii, 89 p. : ill. *CANMET contract: OSQ84-00404.* MICROLOG 90-05660 2 fiche

A user friendly geotechnical database retrieval was set up to aid in the evaluation of mine stability and design. This system provides storage for pertinent mine data and allows the



use of software grid manipulation or contour overlays to determine structural trends to aid in predicting potential ground problems. Contour plots of the mining geometry, and selected geological plots are constructed to determine if any relationships exist between wall slough or poor ground conditions and different geological parameters.

- CA CM MS NR PS SC

**Research and development in Manitoba mines, task 4 : geotechnical database for ground control : geomechanical modelling : final report**

by Allan Moss ; Steffen Robertson and Kirsten (Mining), Inc. ; under sub-contract to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1989. 2 v. : ill. Bibliogr. *Contents: Vol. I : Report -- vol. II : Appendices. CANMET contract: OSQ84-00403. MICROLOG 90-05681 3 fiche*

Examination of methods of data collection for rock masses, leading to the modelling of such masses in deep rock mines. Initially, standard data collection methods developed for open pit studies were used, but these were found to be untenable in the underground environment, largely due to time requirements. Ultimately, it was found that a simplified version of scan line surveys provided the most appropriate method of data collection. This report describes the data collection procedures, the rock mass characterization, general mining conditions and stresses around underground openings, and data collection and reduction at Inco's Thompson Mine in Manitoba.

- CA CM MS NR PS SC

**Research and development in Manitoba mines, task 4 : geotechnical database for ground control : numerical model, QUAD user manual : final report**

by Steffen Robertson and Kirsten (B.C.) Inc. ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. iv, 186 p. : ill. *CANMET contract: OSQ84-00404. MICROLOG 90-05662 3 fiche*

QUAD is a 2-dimensional finite element analysis program for plain stress and plain strain analysis, using linear, triangular or quadrilateral elements for modelling. Axisymmetric 3-dimensional structures can also be analyzed. Structural systems which can be analyzed include slopes and embankments, mining excavations, and tunnels and underground caverns. This user's manual explains how to install and run QUAD: the hardware requirements and system limitations; model preparation and input data; the keyword system, and the menu system. Examples are included.

- CA CM MS NR PS SC

**Research and development in Manitoba mines, task 4 : geotechnical database for ground control : numerical modelling : final report**

by J.A.C. (Tony) Diering ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. 105 p. : ill. Bibliogr. *CANMET contract: OSQ84-00404. MICROLOG 90-05661 2 fiche*

Description of the development and testing of 4 computer programs for numerical stress analysis of underground excavations. The programs are QUAD, a 2-dimensional finite element analysis package and BEAP, BEAP-DD and BEAP-M, which are 3-dimensional boundary element analysis packages. The programs represent further developments of the earlier programs QUAD and MBEM. The study took place over 5 years and was intended to improve the usability and capability of existing

software, in particular to enable multi-step analyses, improved modelling of open-pit/underground interactions and non-linear behaviour to be performed.

- CA CM MS NR PS SC

**Research and development in Manitoba mines, task 4 : geotechnical database for ground control : numerical modelling, BEAP user manual : final report**

by J.A.C. (Tony) Diering ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. 71 p. : ill. Bibliogr. *CANMET contract: OSQ84-00404. MICROLOG 90-05659 1 fiche*

BEAP facilitates fully 3-dimensional stress analysis of underground excavations. Excavation surfaces, the earth's surface and geological interfaces are all modelled with boundary elements, using a non-conforming quadratic variation element which provides numerous advantages for the stress modelling of mining excavations. This user's manual gives an overview of the system, including application areas, features, limitations, non-conforming elements, and geometric and function nodes; and describes installation and preparation of user input files, modules within BEAP, and running BEAP. Sample data files are included.

- CA CM MS NR PS SC

**Research and development in Manitoba mines, task 4 : geotechnical database for ground control : numerical modelling, BEAP-DD user documentation : final report**

by J.A.C. (Tony) Diering ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. 68 p. : ill. Bibliogr. *CANMET contract: OSQ84-00404. MICROLOG 90-05658 1 fiche*

BEAP-DD facilitates 3-dimensional stress analysis of underground excavations which are tabular in nature. Excavation surfaces and sometimes the earth's surface are modelled with displacement discontinuity elements, using a square displacement discontinuity element with constant variation of closures and tractions across each element. This user manual gives an overview of the system, including its application areas, features, limitations, and geometric nodes, lumps and elements; its installation, including starting, database files, test data files and program files; the preparation of user input files; a description of program modules; and 3 examples of running BEAP. Sample data files are also included.

- CA CM MS NR PS SC

**Research and development in Manitoba mines, task 4 : geotechnical database for ground control : numerical modelling, BEAP-M user documentation : final report**

by J.A.C. (Tony) Diering ; sub-contracting to Inco Limited, Thompson Division. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. 36 p. : ill. Bibliogr. *CANMET contract: OSQ84-00404. MICROLOG 90-05657 1 fiche*

BEAP-M facilitates 3-dimensional stress analysis of underground excavations which are tabular or massive in nature. Excavation surfaces and the earth's surface are modelled with boundary elements or displacement discontinuity elements, using square displacement discontinuity elements with constant variation of closures and tractions across each element and non-conforming quadratic boundary elements. This manual gives an overview of the system, including its application areas, features, limitations and geometric nodes, lumps and elements; gives instruction on installation, including getting

started, the database files, the program files and the test data files; describes preparation of user input files and program modules within BEAP-M; and describes running BEAP. Example data files are included.

- CA CM MS NR PS SC

**Research and development in Manitoba mines, task 5 : optimization of blast design for blasthole mining, final report**

by Brian C. Maynard ; under sub-contract to Steffen Robertson and Kirsten (B.C.) Inc. S.I. : Canada-Manitoba Mineral Development Agreement, 1990. v, 166 p. : ill. Bibliogr. *CANMET contract: 59251-01-SQ. MICROLOG 90-07133 2 fiche*

Optimization of blast designs can be a rigorous exercise which involve numerous calculations using parameters that change from workplace to workplace. In addition, the results of any particular blast will have large effects on the production rates, mining cost, and dilution of the blasted ore. This project was initiated to provide a rational blast design tool for underground mines and their blasting personnel. The primary objective was to develop a user-friendly software package giving a good first estimate of a suitable blast design and capable of meeting day-to-day production requirements. The result was the BOULDER (blast optimization using locally determined engineering results) blast design optimization software. This report describes the data collection, design methods, and calibration, as well as the features of the software.

- CA CM MS NR PS SC

**Research and innovative demonstration report, 1989**

Halifax : Dept. of Agriculture and Marketing, 1989. 70 p. : ill. *CSI 51100.003. MICROLOG 90-06166 1 fiche*

This report includes the 1989 research spending statistics, showing figures representing the disbursement of research funds for the fiscal year 1989-90. A list of research project reports for 1989, sorted by department is also included.

AG AP PR SC

**Research and program evaluation inventory for 1988-89**

Toronto : Ministry of Community and Social Services, Research and Program Evaluation Unit, 1989. iii, 137 p. : ill. *CSI 55104.004. ISSN 0838-0546. MICROLOG 90-00148 2 fiche*

This annual inventory is a compilation of research and program evaluation studies conducted within the Ministry of Community and Social Services and within various social service agencies. Studies were included in the inventory if they were funded internally, conducted by a social service agency funded by MCSS or funded by means of a transfer payment grant; they were in progress during the 1988/89 fiscal year; a final report was produced or expected; and they could be categorized as research and program evaluation and used one or more of client case records, program/agency records, psychometric tests, laboratory tests, structured observation, video recordings, literature review, community forums/focus groups, questionnaires or interviews. Not included were operational reviews, strategic plans, policy papers, and annual reports of Ministry and agency programs. The inventory is categorized by children's services, elderly services, services for disabled persons, income maintenance, child care, family support, and ministry-wide issues.

ON PR SA



### Research concerning Myxosporidia parasitic in the nervous tissue of yamame and amago, I : morphology of spores and region parasitized

by Y. Murakami. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 3 p. (Canadian translation of fisheries and aquatic sciences ; no. 5160) *Originally published in Japanese, in Japan.* ISSN 0704-3716  
MICROLOG 90-00104 1 fiche

Examination of Myxosporidia spores parasitic on nervous tissue, discovered in the course of a survey of fish suffering from yamame and amago sleeping sickness at 2 salmon farms in Hiroshima Prefecture. The paper describes the region parasitized and the morphology of the spores.

• CA CF FI LS SC

### Research concerning Myxosporidia parasitic in the nervous tissue of yamame and amago, II : distribution and time of appearance of fish parasitized by spores in Hiroshima Prefecture

by Y. Murakami. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5161) *Originally published in Japanese, in Japan.* ISSN 0704-3716  
MICROLOG 90-00105 1 fiche

Myxosporidia parasitic on nervous tissue were discovered in fish suffering from yamame and amago sleeping sickness at 2 salmon farms in Hiroshima Prefecture, and are suspected of being the cause of the sleeping sickness. The occurrence of spores at the infected fish farms was examined, classified by time of occurrence, and compared to other fish caught at salmon farms and in rivers in the prefecture where the sleeping sickness had not been observed.

• CA CF FI LS SC

### Research concerning sleeping sickness (provisional appellation) in cultured yamame and amago, I

by Y. Murakami. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5159) *Originally published in Japanese, in Japan.* ISSN 0704-3716  
MICROLOG 90-00103 1 fiche

In yamame and amago reared at 2 salmon farms in Hiroshima Prefecture, an unknown disease produced principal symptoms of abnormal swimming and lying sideways. During the year, approximately 100,000 fish contracted the disease and died. This paper describes the occurrence of the disease and its etiology.

• CA CF FI LS SC

### Research Leaders in Policing Symposium : proceedings

edited by Donald J. Loree. Ottawa : Canadian Police College, 1989. iv, 93 p. *French ed. (Colloque sur la recherche...)* : 90-05207/2 ISBN 0-662-17010-5  
MICROLOG 90-00220 2 fiche

Includes papers on the past 20 and the next 20 years of police management; relationships and issues; current projects in community policing issues; future needs and directions in community policing; current research in issues in police management and personnel; future needs and directions of research; and the organization and the environment.

• CA JU

### Research materials on the biology of the harp seal on drift ice in the White Sea in 1966 and 1967

by N.Y. Yakovenko and Y.I. Nazarenko.

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 24 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5206) *Originally published in Russian, at Murmansk, USSR.* ISSN 0704-3716  
MICROLOG 90-02703 1 fiche

The expanding trade in marine mammals has led to a considerable reduction in the stocks of those species that are most commercially valuable. There is now an urgent need to document these species and to seek out more sensible ways of exploiting them commercially and of preserving their stocks. This is certainly the case with the White Sea population of the harp seal, which has been intensively exploited by Russian and Norwegian hunters for a long period of time. Field investigations were conducted in 1966 and 1967 and included the determination of the periods of whelping; observations on the growth and development of pups, the behaviour of females on the whelping patches during lactation, and on the course of moulting; study of harp seal estrus; tagging; and a study of the natural mortality of the pups. Aerial reconnaissance was also used for observation.

• CA CF FI LS SC

### Research of acoustic emissions in natural gas vehicle storage cylinders

CNG Fuel Systems Ltd. Ottawa : Transport Canada, Research & Development Directorate, 1987. 49 p. : ill. Bibliogr.  
MICROLOG 90-04488 1 fiche

The use of natural gas (NGV) as an auto fuel involves the on-board storage of NGV at 3000 psig in thick walled high strength steel cylinders. Should such a cylinder rupture, the energy unleashed from the NGV could propel cylinder fragments in a bomb-like fashion. Accordingly, regulations require the periodic requalification of in-use NGV cylinders to minimize user risk. Acoustic emission testing (AET) has been proposed as an alternative to the currently used hydro testing. The report gives the details of a project to validate AET as a means of detecting active cracking. The report includes the procedures followed, the results obtained, and the final conclusions.

CA PS SC TR

### Research on Canadian glaciers within the IHD/IHP

by C.S.L. Ommanney and G.J. Young. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 7 p. Bibliogr. (NHRI contribution ; no. 88024) *Prepared for the 17th Canadian Hydrology Symposium.* ISSN 0838-1992  
MICROLOG 90-06474 1 fiche

This paper describes and evaluates glacier research projects in the Western Cordillera and the Arctic, including the criteria employed for choice of basin and the manner in which research was undertaken. The success of the program is evaluated in relation to the development of both Canadian and international understanding of glacier hydrology.

BC CA NO NR SC

### Research on clarification of Alaska pollack resources in the Bering Sea and waters around the Kamchatka Peninsula

by H. Yoshida. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 39 p. : maps. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5140) *Originally published in Japanese in 1979.* ISSN 0704-3716  
MICROLOG 90-00950 1 fiche

Alaska pollack has a very wide distribution among bottom fishes, making its home in bottom, middle and surface layers, with a wide

population range. This paper describes the technical aspects of tagging-releasing and the difficulties involved. The paper describes magnetic tagging, tag types and the live-fish catch method, past results with tagging and releasing, and materials used in the eastern Bering Sea, the vicinity of the Kamchatka Peninsula, the Okhotsk Sea, and the sea coasts of Hokkaido.

• CA CF FI SC

### Research on profitability of fish farming in 1984

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. iii, 51 p. (Canadian translation of fisheries and aquatic sciences ; no. 5353) *Originally published in Norwegian, by the Fishery Directorate, in Norway.* ISSN 0704-3716  
MICROLOG 90-01485 1 fiche

Results of economic research on salmon and trout farming in Norway in 1984 based on information from 97 plants, representing about 24% of the operating commercial food fishfarms. Plants with volume less than 500 cubic metres are excluded. Most of the plants in the sample consist of sea water fish-farms with floating net cages. Results are given for profitability, liquidity/equity, sales, production and making use of quotas, and cost per kg of fish produced. A glossary and methodology are included.

• AG CA CF CO FI SC

### Research on the transportation of solids by mobile pipeline

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1963. ii, 13 p. (Report ; FMP 63/20-PRE) *At head of title: Working party on movement of solids : report no. 7.*

MICROLOG 90-04529 1 fiche

Description of the most outstanding features of the mobile pipeline, a new technique for transportation of bulk materials suggested and developed in France. The application of this pipeline to Canada is also discussed.

• CA CM NR PS SC TR

### Research on the transportation of solids by pipeline in Britain

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1962. 14 p. Bibliogr. (Report ; FMP 62/166-PRE)  
MICROLOG 90-04527 1 fiche

Summaries of unpublished reports produced by the National Coal Board of Britain on the transportation of solids by pipeline. The summaries included the Markham tests using 3 different feeders and a Gwynnes solids handling pump; underground-to-surface hydraulic transport of coal at the Woodend colliery in Scotland; the Trelewis tests, and the British Hydraulic Research Association studies. Developments at the Central Electricity Generating Board and at other organizations are also given.

• CA CM EN NR SC TR

### Research on the transportation of solids by pipeline in France

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1962. 17 p. Bibliogr. (Report ; FMP 62/179-PRE) *At head of title: Working party on movement of solids : report no. 6.*  
MICROLOG 90-04530 1 fiche

The transportation of solids in pipelines is presently under serious consideration in Canada, as a possible improvement of the usual shipment methods for various bulk materials such as coal, ores, and sulphur. This report describes solids pipeline research



in France, as well as a brief note on the German pipeline project.

• CA CM NR PS SC TR

### Research project on the noise isolation provided by floor/ceiling assemblies in wood construction

MJM Acoustical Consultants. Ottawa : Canada Mortgage and Housing Corporation, 1989. 111 p. : ill.

MICROLOG 90-01624 2 fiche

Results of the first phase of a project on the noise isolation provided by floor/ceiling assemblies in wood structures. The first phase researched the acoustical performance of different ceiling assemblies and sound absorptive materials in the joist cavity. This report outlines the results of the sound transmission loss and impact insulation tests. CA PL PS SC

### Research study of highway snowdrifting

by H.A. Baker and C.J. Williams. Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1990. xi, 234 p. : ill. Bibliogr. MICROLOG 90-07206 3 fiche

Report on a study to improve existing and develop new methods of controlling drifting snow across highways, to improve highway safety and to reduce maintenance costs associated with snow removal. A literature search was conducted to determine methods currently used, a questionnaire was mailed to 162 highway departments throughout Ontario, Quebec, New Brunswick, the Yukon and the Northwest Territories, and 35 sites were chosen and studied over 3 years. Weather data was obtained from 15 weather stations and analysed for mean snowfall, wind direction with wind speed greater than 15 km/h, blowing snow wind direction, and winds greater than 15 km/h accompanying snowfall. Problem conditions observed during the 1986-87 winter were reviewed along with local meteorological data to develop solutions during the summer of 1987. These solutions were installed at each site prior to the winter of 1987-88 and 1988-89. The data collected were analyzed to produce guidelines. CA SC TR

### Réseau des rivières du patrimoine canadien lignes directrices

Commission des rivières du patrimoine canadien. Ottawa : la Commission, 1990. ii, 35 p. L'éd. anglaise (*Canadian Heritage Rivers...*) : 90-06741/1. MICROLOG 90-06699 1 fiche

Ce document comprend les lignes directrices adoptées par la Commission des rivières du patrimoine canadien aux fins de gestion du Réseau des rivières du patrimoine canadien. Il porte principalement sur : les lignes directrices relatives aux subventions versées pour la réalisation d'études, aux plaques commémoratives, aux plans directeurs et aux documents du RRPC. De plus, il examine les modalités visant la surveillance des rivières désignées et les lignes directrices relatives à la sélection des rivières.

• CA CU NR SC

### Réseau TADPA-Québec : banque de données physico-chimiques, 1983-88

par J. Haemmerli. Québec : Environnement Canada, Direction générale des eaux intérieures, Région du Québec, 1988. 55 p. Bibliogr.

MICROLOG 90-06700 1 fiche

L'objectif de ce document est de mettre en évidence des tendances, à la fois temporelles et spatiales, dans l'évolution de l'acidification des eaux de surface. Le document examine particulièrement les points suivants : les

principes de l'échantillonnage; le protocole d'échantillonnage; les méthodes d'analyse; la procédure et la validation; et, la banque de données.

EV NR PR QU SC

### Réseaux de centres d'excellence

Comité international de sélection par les pairs. Ottawa : Conseil de recherches en sciences naturelles et en génie du Canada ; Conseil de recherches médicales du Canada ; Conseil de recherches en sciences humaines du Canada ; Industrie, sciences et technologie Canada, 1989. 82 p. L'éd. anglaise (*Networks of centres of excellence*) : 90-02490/1. MICROLOG 90-02491 1 fiche

Ce rapport contient des notices biographiques sur les membres du CISP. Le CISP a évalué les demandes en fonction de quatre grands critères : la valeur des sciences et des chercheurs concernés (50%); les liens proposés entre les universités, l'industrie et les chercheurs employés par le gouvernement (20%); la contribution éventuelle du programme de recherche à l'accroissement de la compétitivité de l'industrie (20%); et, la structure de gestion (10%). CA SC

### Réseaux de centres d'excellence : programme de RCE-fiche documentaire

Ottawa : Conseil de recherches en sciences naturelles et en génie du Canada ; Conseil de recherches médicales du Canada ; Conseil de recherches en sciences humaines du Canada ; Industrie, sciences et technologie Canada, 1989. 16, 16 p. Bilingue (*Networks of centres of excellence...*). MICROLOG 90-02492 1 fiche

En mai 1988, le gouvernement fédéral approuvait un budget de 240 millions de dollars pour le concours des Réseaux de centre d'excellence (RCE). Le programme était annoncé dans le cadre d'InnovAction, la stratégie fédérale en science et en technologie, et dans le contexte de la Politique nationale en matière de science et de technologie, qui venait tout juste d'être négociée avec les provinces. Dès le début, le concours des RCE a capturé l'imagination de la communauté de recherche canadienne. Ce document se penche sur les résultats du programme de RCE et en fournit des fiches documentaires. CA SC

### Reservoir annual, 1988

Regina : Saskatchewan Energy and Mines, Petroleum and Natural Gas, 1989. 125 p. : ill., maps. (Miscellaneous report ; 89-1) CSI 72162.001. ISSN 0707-2562 MICROLOG 90-06765 2 fiche

Annual publication presenting data on oil and gas pools by unit and non-unit areas; oil and gas units with information on operator, producing zone, number of active wells and project data such as pattern type, commencement date and injection rates; natural depletion mechanisms, enhanced recovery projects; well spacing and target areas for all pools; illustrations of typical producing well logs; pool pressure data; Maximum Permissible Rate factors; gas plant performance plots; and formation water resistivity measurements. All reserve, production, pool boundary and well spacing information is as of December 31, 1988, unless otherwise noted. EN MS NR PR PS SC ST

### Residential appliance survey, 1988

Toronto : Ontario Hydro, 1989. 25 p. : ill. CSI 56125.016. ISSN 0828-1572 MICROLOG 90-04720 1 fiche

This survey provides an estimate of the type and number of appliances in Ontario homes and identifies trends in appliance ownership. It

includes provincial and regional saturation statistics.

EN ON PR ST

### Residential magnetic fields : accounting for external sources and residential grounding circuits

by D.A. Barrow. Toronto : Ontario Hydro, Research Division, 1989. 35 p. : ill., maps. Bibliogr. (Report ; no. 89-152-K) MICROLOG 90-01175 1 fiche

A project to characterize the sources of magnetic fields in residential locations was established as part of Ontario Hydro's program to assess the risks, if any, posed by fields due to the electric power system. In this report, a simple model for the strength of the magnetic field at 60 Hz found inside houses is developed to account for the house wiring, and for sources external to the house. In the model the house wiring is reduced to a single circuit carrying the net current on the service drop to the house and the service grounding current. All sources external to the house are combined and represented as a single ambient field assumed to be spatially uniform throughout the volume of the house. This model and a measurement procedure were tested on 5 houses in locations inside the houses remote from appliances, which were not included in the model. EN ON PR PS SC

### Residential property survey : a presentation of comparative assessment, taxation and utilities charges data per dwelling unit, for each Alberta municipality, 1988

Edmonton : Alberta Municipal Affairs, Municipal Services Branch, 1989. 113 p. : maps. Bibliogr. CSI 34112.002. MICROLOG 90-00728 2 fiche

This report allows for the use of comparable municipalities as a means to identify and explain variations in taxation and utility charges. It includes a map of Alberta municipalities. AL CO PL PR PW ST

### Residential renovation data

Clayton Research Associates. Ottawa : Canada Mortgage and Housing Corporation, 1989. ii, 46 p. MICROLOG 90-01275 1 fiche

This document reviews the existing data series on residential renovation in Canada and identifies areas where additional data would be useful. The types of renovation data are grouped into the following 6 areas: overall renovation activity; types of renovation work; characteristics of renovated dwellings and occupants; state of repair of the dwelling stock; requirements and effects of renovation; and renovation industry characteristics. CA SA

### Residential renovation overview : program evaluation report

Ottawa : Canada Housing and Mortgage Corporation, Program Evaluation Division, 1988. viii, 197 p. Bibliogr. MICROLOG 90-01863 3 fiche

The purpose of this study is to provide new information on residential renovation in Canada as a basis for assessing the current and future role of CMHC in this area. The report provides a comprehensive review of residential rehabilitation activity in Canada. It examines the physical condition of the low-rise housing stock and the characteristic and behaviour of firms and property owners participating in the renovation market. Primarily, the report focuses on evidence of market problems in order to isolate areas where government action may be appropriate. It also examines the suitability of current and recent federal programs in the context of the market



problems identified.  
CA CI PL SA SC

### Residential staging information

Edmonton : Edmonton Planning and Development, Strategic Planning Branch, 1988. iii, 16 p. (Report)  
MICROLOG 90-00150 1 fiche

This document identifies and evaluates the supply and demand of residential land for potential dwelling units in suburban Area Structure Plan areas of Edmonton.  
AL MU PL

### Resolutions on arms control and disarmament : Canada's record at the UN

by B.F. Grebenc. Ottawa : Canadian Institute for International Peace and Security, 1989. 79 p. (Working paper ; no. 19) ISBN 0-662-17200-0  
MICROLOG 90-03213 1 fiche

This paper contains two parts: part one focuses on the contents and voting record of Canada on the resolutions considered by the UNGA during its past two sessions. It gives attention to what Canada's representatives have said about Canada's interests and policy on ACD matters generally, and summarizes and compares the contents of various resolutions that have specific reference to Canada's interests in the ACD field. Part two focuses on a comparison between Canada's voting record and a number of selected countries over the past ten years, plus a more general overview of the UNGA's consideration of ACD resolutions over the same period. It includes a detailed comparison of the voting records of Canada and those selected countries for the past two sessions.  
● CA EX

### Resource assessment for coastal and western British Columbia and the development of a portable modular mill design

prepared for the Trader Resource Corporation, Fleet Developments Ltd., and the B.C. Ministry of Energy, Mines and Petroleum Resources ; under the Canada-British Columbia Mineral Development Subsidiary Agreement ; by TRM Engineering Ltd. Vancouver, B.C. : TRM Engineering Ltd., 1986. 223 p. : ill., maps.  
MICROLOG 90-00191 4 fiche

This project is based on the concept of establishing a design for a modular constructed portable concentrating facility which could be utilized in the processing of various ores within the coastal and adjacent areas of western B.C. The resource assessment section of the report investigated the distribution of deposits within the study area with an emphasis on precious metal deposits, particularly those with a significant gold content. Three sample plants were designed to process ores at rates of 70 MTD (75 TPD) and 230 MTD (250 TDP). Capital and operating costs of the plants were calculated based on flowsheet requirements.  
● BC CA NR PS SC

### Resource inventory of Iceland scallops in the Jan Mayen and Spitsbergen areas during 1986

by S. Rubach and J.H. Sundet. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. ii, 64 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5352) Originally published in Norwegian, by Tromsø University, Fisheries Institute, at Tromsø, Norway. ISSN 0704-3716  
MICROLOG 90-01467 1 fiche

Since 1984 the interest in the Iceland scallop resources at Jan Mayen and in the Barents Sea have been great, due to the general deterioration in the traditional fisheries. These

investigations, begun in 1986, provide a resource inventory of Iceland scallops in these areas, including distribution, magnitude of stocks and population biology in the long term. Due to the size of the potential scallop areas, the 1986 investigation was essentially one of exploration. This paper covers the biology of the Iceland scallop, the methods, conditions and areas; and the findings by area.  
● CA CF FI SC

### Resource management in the Temagami area

Toronto : Legislative Assembly, Standing Committee on Resources Development, 1990. 34, 31 p. Bibliogr. *Bilingual (Gestion des ressources dans la...)* ISBN 0-7729-6842-X  
MICROLOG 90-06178 2 fiche

Report of the Standing Committee's hearings into the management of resources in the Temagami area, introduced by a private member and restricted to 12 hours of debate and report writing. Witnesses represented the area's Native community, the forest industry, organized labour, residents, an advisory body and wilderness advocates. The report covers native land claims, the definitions of sustainable development, the impact of access roads, the debate over 'old growth' pine, harvesting methods and the impact of timber management on local commerce. The Committee also included views on the Benson report on how the area would be managed if an Indian band were involved.  
NR ON PR SC

### Resource management plan : Wellington County Agreement Forest, 1987 to 1992

Toronto : Ministry of Natural Resources, Cambridge District Office, 1988. vi, 58 p. : maps. ISBN 0-7729-4959-X  
MICROLOG 90-01103 1 fiche

Agreement Forests are parcels of public land being managed for 'forestry purposes' on behalf of the landowner (townships, counties, regional municipalities or conservation authorities) by the Ontario Ministry of Natural Resources (MNR). 'Forestry purposes' includes the production of wood and wood products, provision of proper environmental conditions for wildlife, protection against floods and erosion, recreation, and protection and production of water supplies. Planning the management of the forest is the responsibility of MNR and is done through a 5-year management plan outlining work to take place and an annual report. This annual report gives a physical and administrative description, reports on past operations, describes the resources (timber, fish and wildlife, areas of natural and scientific interest, environmentally sensitive areas), and presents objectives and strategies and proposed management activities.  
FO ON PR SC

### Le Respect des mesures propres à accroître la confiance : d'Helsinki à Stockholm

par M. Holmes. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1990. 8 p. Bibliogr. (Exposé ; no 30) L'éd. anglaise (Compliance with confidence-building...) : 90-03391/1. ISBN 0-662-95855-1  
MICROLOG 90-06511 1 fiche

Cette brochure se penche sur les points suivants: ce qu'est une mesure propre à accroître la confiance, les accords d'Helsinki; les mesures de confiance convenues à Helsinki; l'accord de Stockholm; et, les mesures de confiance adoptées à Stockholm. L'exposé porte donc sur ces questions, montre jusqu'à quel point les accords d'Helsinki et de Stockholm ont été respectés, et précise comment les MPAC ont influé sur la sécurité en Europe au cours des quinze dernières années.  
● CA EX

### Responsabilités professionnelles et familiales : aperçu des initiatives gouvernementales du Nouveau-Brunswick

Fredericton : Direction générale de la condition féminine, 1990. 32 p. L'éd. anglaise (Work and family...) sur la même fiche  
MICROLOG 90-06503 1 fiche

Ce document, préparé par la Direction générale de la condition féminine en mai 1990, donne un aperçu global des initiatives gouvernementales concernant les responsabilités professionnelles et familiales. Il se penche particulièrement sur les facteurs généraux concernant les responsabilités professionnelles et familiales dans les différents secteurs du Nouveau-Brunswick; et, au niveau du gouvernement en tant qu'employeur.  
AP LA PR SA

### Response of aspen suckering to pre-harvest stem treatments : a literature review

by B. Bancroft. S.I. : Forest Resource Development Agreement, 1989. vii, 55 p. : ill. Bibliogr. (FRDA report ; 087) ISSN 0835-0752 ISBN 0-7726-1013-4  
MICROLOG 90-01268 1 fiche

Literature review providing background information on the suitability of pre-harvest aspen control as a silvicultural treatment for the southern interior of B.C. This study assessed stem-injection of herbicides, application of ground active herbicides, and girdling for their effectiveness in controlling aspen and for the various risks and impacts associated with their use.  
BC FO PR SC

### Response to a review of the Conservation Authorities Program

Toronto : Association of Municipalities of Ontario, 1988. 25 p. Bibliogr. (AMO report : report series 1988 ; 88-12)  
MICROLOG 90-01028 1 fiche (Available on fiche only)

The purpose of this report is to offer the views of the Association concerning the program and to make recommendations which will improve the structure, accountability and efficiency of conservation authorities from the municipal viewpoint.  
EV MU ON PA SC

### Response to Bill 106 : an act to amend the Occupational Health and Safety Act

Toronto : Association of Municipalities of Ontario, 1987. 16 p. (AMO report : report series 1987 ; 87-10)  
MICROLOG 90-00853 1 fiche (Available on fiche only)

Presents a discussion of the following recommendations: definition of 'officer'; intervals for inspections; inventory of designated substances; informing constructor of designated substances; liability of owner for not informing about designated substances; exemption of police and fire from refusal section; complaints of non-unionized workers; and the worker's right to be paid after refusal.  
HE LA MU ON

### Response to county government in Ontario : report

Association of Municipalities of Ontario Consultation Committee to the Minister of Municipal Affairs. Toronto : The Association, 1989. 35 p. Bibliogr. (AMO report : report series 1989 ; 89-8)  
MICROLOG 90-01024 1 fiche (Available on fiche only)



Includes background information on the matter, and the Association's response, recommendations, and conclusions.  
MU ON PA

**Response to recommendation no. 80, Beaufort Sea Environmental Assessment and Review Panel : final report, 1984-89**

Environmental Advisory Committee on Newfoundland and Labrador Marine Transportation ; published by Environment Canada...et al. Ottawa : Environment Canada, 1989. 68 p. Bibliogr.  
MICROLOG 90-03115 1 fiche

In 1980, the Dept. of Indian Affairs and Northern Development initiated a formal public review of a proposed oil development project in Canada's Arctic under the federal Environmental Assessment and Review Process. The project included production of oil from the Beaufort Sea and transport of the oil to southern markets by pipeline, tanker or both. The Beaufort Sea Environmental Assessment Panel was appointed in 1981 to review the activities involved, to identify potential impacts of the project and to recommend mitigative measures. The review included activities north of 60N latitude. In October 1984 the Environmental Advisory Committee on Newfoundland and Labrador Marine Transportation was established to review marine shipping in its area and to recommend preventative measures and guidelines. This report presents its findings on the socio-economic and environmental aspects of tanker traffic, reviews marine shipping activities and their potential impacts, and gives control measures.  
CA EV NO SC

**Response to submissions received during public circulation of the draft Official Plan**

Brampton, Ont. : Regional municipality of Peel, 1989. 33 p.  
MICROLOG 90-04277 1 fiche

In response to directives from Regional Council, planning staff undertook public circulation of the draft Official Plan. After this circulation, 3 public meetings were held in each of Mississauga, Caledon and Brampton in May and June 1989. This report summarizes the submissions made at these meetings by all groups and individuals, whether written or oral. Comments by staff in response to each submission are also presented.  
MU ON PL SC

**Response to the 1989 report of the Auditor General -- Rev.**

British Columbia. Ministry of Finance and Corporate Relations. Victoria : The Ministry, 1990. 7 p. CSI 37106.009. ISSN 0835-7366  
MICROLOG 90-07018 1 fiche

Presents the government's response to the 1989 Report of the Auditor General to the Legislative Assembly. This publication describes action taken or planned to address the recommendations in the report. It includes comments on the public accounts, the Government's choice of financial statements, timely issuance of the public accounts, statutory authorization of expenditures and Government financial statement standards.  
BC CO PA PR

**Response to the draft wetlands policy statement**

Toronto : Association of Municipalities of Ontario, 1989. 12 p. Bibliogr. (AMO report : report series 1989 : 89-9)  
MICROLOG 90-01025 1 fiche (Available on fiche only)

In this publication the Association is concerned with the problems involved in using the municipal planning process to implement a

provincial environmental protection policy. It focuses on the limits of the wetland evaluation system; the inconsistent use of planning terminology; and the clarification of the roles of the various levels of government and pertinent agencies in wetland protection.  
EV MU ON PA SC

**Response to the Professional Advisory Board Steering Committee's report and recommendations**

Ontario. Ministry of Community and Social Services. Toronto : The Ministry, 1988. 29 p. ISBN 0-7729-4550-0  
MICROLOG 90-01946 1 fiche

This document provides a broad overview to place the discussion of extraordinary measures in a context. It summarizes themes which created the widest discussions and had the most differences of opinion. These areas are: the role of the Professional Advisory Board, psychotropic drugs, and manual restraint. It also provides a specific response to each recommendation.  
ON PR SA

**Response to the review of the Post-Secondary Student Assistance Program**

Ottawa : Indian and Northern Affairs Canada, 1989. 8, 8 p. Bilingual (Réponse aux recommandations...). ISBN 0-662-57029-4  
MICROLOG 90-04217 1 fiche

Since the early 1970's the Government of Canada has placed a high priority on providing support to Indians and Inuit wishing to obtain post-secondary education. The motivation for this support, was to assist aboriginal people to achieve individual success in society and to become leaders in their communities. Recognizing that the principles of consultation and consensus are critical to the continuing success of the post-secondary student support policy, a series of consultative and consensus building processes were initiated with Indian leaders this past summer. Through these discussions recommendations for short-term changes have been presented and nine specific policy changes were announced on September 12, 1989. Specific response to each recommendation is provided.  
CA ED NP

**The Responsible public servant**

by K. Kernaghan and J.W. Langford. Halifax : by K. Kernaghan and J.W. Langford. Halifax : Institute for Research on Public Policy, 1990. xx, 220 p. Bibliogr. ISBN 0-88645-099-3  
MICROLOG 90-04264 3 fiche

This paper examines why there is so much uncertainty as to what constitutes responsible bureaucratic behaviour and how this uncertainty came about. It discusses the concept of public interest, and examines the duty of the public servant to adhere to the constitutional convention of political neutrality. It also addresses the two interrelated issues of confidentiality and privacy, and analyses the public servant's duty of service to the public. In addition, it looks at the issues of interpretation in the examination of conflict of interest, the public servant's duty to be accountable for her or his decisions and recommendations, and what institutional means and techniques can be used to strengthen and encourage responsible public service.  
● CA PA

**Ressource et industrie forestières : portrait statistique, 1986-87**

Sainte-Foy, Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1987. 54 p. : ill., cartes géogr. L'édition anglaise (Québec's forest resources...) : 90-03677/1. CSI 66110.002F. ISBN 2-550-17944-7  
MICROLOG 90-03676 1 fiche

Ce portrait statistique 1986-1987 révèle l'ampleur du secteur forestier pour la société

québécoise. Il passe en revue le portrait géographique du Québec forestier; l'inventaire du territoire de la forêt commerciale; la protection des forêts; l'aménagement forestier; l'exploitation forestière; les mouvements des bois ronds et des copeaux; l'industrie du bois; l'industrie des pâtes et papiers; et, le secteur forestier dans l'économie québécoise.  
FO PR QU SC

**Les Ressources naturelles du Nouveau-Brunswick : 150 ans de production exemplaire**

Fredericton : Ministère des ressources naturelles et de l'énergie, 1988. iii, 194 p. : ill. Bibliogr. Bilingue (New Brunswick's natural resources...).  
MICROLOG 90-02201 3 fiche

Cet historique dresse le portrait chronologique de l'administration des ressources naturelles au Nouveau-Brunswick hors du cadre général de l'histoire de la province. Une grande partie du contenu de l'étude porte sur les rapports annuels des ministères qui, au fil des ans, ont été chargés de l'administration des ressources naturelles, les journaux des débats de l'Assemblée et du Conseil législatif; les rapports synoptiques de ces débats; la Gazette Royale, les statuts de la province; les Comptes publics et les rapports rédigés à la suite d'études et d'enquêtes publiques.  
AP NR PR SC

**Ressources pétrolières de la plate-forme néo-écossaise**

par J.A. Wade...et al. Ottawa : Énergie, mines et ressources Canada, Commission géologique du Canada, 1989. iii, 28, iii, 26 p. : ill., cartes géogr. Bibliogr. (Étude ; 88-19) Bilingue (Petroleum resources...). ISSN 0068-7650 ISBN 0-660-55066-0  
MICROLOG 90-01146 1 fiche

Depuis le début de l'exploration pétrolière en 1959 jusqu'à la fin de 1983, 62 forages de reconnaissance ont été creusés sur la plate-forme Néo-Écossaise. Ils ont conduit à 13 découvertes importantes dont les ressources totalisent de nombreux mètres carrés de gaz et d'hydrocarbures liquides. Le présent article retrace l'histoire de l'exploration du gaz et du pétrole sur la plate-forme et donne des détails sur les découvertes. Il présente la géologie régionale et la géologie pétrolière et décrit les variables utilisées pour évaluer les ressources d'hydrocarbures récupérables de la région. Il présente les ressources estimées en fonction d'une série de gisements susceptibles, s'ils étaient découverts, de faire l'objet d'une exploitation marine rentable.  
AP CA EN NR SC

**Rest and retirement : a report on the regulation of residential care facilities**

from the Advisory Committee on Rest Homes : to the Minister for Senior Citizens' Affairs. Toronto : The Committee, 1989. v, 66 p.  
MICROLOG 90-00015 1 fiche

The Committee provides advice to the minister for senior citizens' affairs on the most appropriate approach to ensuring quality of care in rest and retirement homes. This report presents the committee's advice and recommendations for the consideration of the minister for senior citizens' affairs.  
ON PR SA

**Restigouche Industrial Commission : Annual report 1988-89**

Campbellton, N.B. : The Commission, 1989. 23 p. : ill. Bilingual. CSI 49163.001.  
MICROLOG 90-02590 1 fiche

Annual report of the Commission, formed to help municipalities in the Restigouche area of New Brunswick in their economic development. The report includes the activities of the Atlantic



Canada Opportunities Agency, the continuation of a 5-year economic development study, and the impact of the Canada-U.S. Free Trade Agreement.  
AP CO MU

#### Restoration principles and procedures

by Judy Oberlander, Harold Kalman, Robert Lemon ; edited by Mary McKinnon. Victoria : Ministry of Municipal Affairs, Recreation and Culture, British Columbia Heritage Trust, 1989. 20 p. : ill. Bibliogr. (Technical paper series ; 10) ISSN 0229-9976 ISBN 0-7718-8769-8  
MICROLOG 90-03814 1 fiche

One of a series of manuals developed to guide heritage conservation work. This manual deals specifically with the process involved in restoring historic buildings or sites. The manual includes a set of 10 principles to guide and assess each stage of the restoration process. The principles reflect current international conservation attitudes, while at the same time taking into account the particular nature of B.C.'s heritage resources.  
BC CU PL PR SC

#### Résultats de coupes par bandes dans trois cantons de l'ouest Québécois après quinze ans

par J.-L. Boivin. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Direction de la recherche et du développement, 1986. 22 p. Bibliogr. (Note de recherche forestière ; no 33)  
MICROLOG 90-05924 1 fiche

Depuis un certain nombre d'années, des expériences sont faites pour améliorer la représentation du bouleau jaune dans les peuplements de seconde venue. Le bouleau jaune, cette essence intermédiaire quant à la tolérance à l'ombre, demande, pour se régénérer, certaines pratiques sylvicoles particulières telles que la scarification et le dosage adéquat de la lumière par un système de coupe approprié. Ainsi, des coupes expérimentales par bandes ont été essayées en 1969 dans des peuplements feuillus de l'Ouest québécois. L'expérience visait à déterminer l'influence de la coupe de bandes de différentes largeurs (20, 40 et 60 m) sur la régénération du bouleau jaune. Elle a été réalisée dans trois secteurs situés dans les cantons de Horan, Malakoff et Maine. Ce travail décrit les résultats obtenus 15 ans après coupe.  
EN FO NR PR QU SC

#### Résultats de l'étude sur les maisons de repos et de retraite

Toronto : Office des personnes âgées, 1989. 35 p. ISBN 0-7729-4490-3  
MICROLOG 90-03222 1 fiche

Cette étude est la première vue d'ensemble des maisons de repos et de retraite de l'Ontario. Elle donne des renseignements sur le nombre d'établissements divers, sur leurs dimensions, sur leur répartition géographique, sur le type de soins et de services offerts aux pensionnaires et sur les groupes clients auxquels ils sont surtout destinés.  
ON PR SA

#### Résultats détaillés du sondage réalisé en 1988 : auprès des responsables de reboisement en regard de la qualité des plants

par J.-P. Têtrault. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service de la régénération forestière, 1989. iii, 89 p. CSI/ 66110.018. ISBN 2-550-20272-4  
MICROLOG 90-04919 1 fiche

Considérant le nombre de variables retenues, la quantité d'informations qui en découlent, et la diversité des intervenants consultés, ce rapport se veut une synthèse des principales

constatations qui se dégagent de l'analyse des résultats obtenus. En annexe sont regroupées des données plus détaillées concernant la nature des réponses selon les secteurs d'activités représentés.  
FO PR QU SC ST

#### Résultats préliminaires d'un projet coopératif de baguage d'oiseaux mené dans les marais de Zapata, à Cuba, en janvier 1988

par H.G. Alonso...et al. Ottawa : Service canadien de la faune, 1990. 9 p. Bibliogr. (Cahiers de biologie ; no 187) L'éd. anglaise (Preliminary results...) : 90-04888/1. ISBN 0-662-95937-X  
MICROLOG 90-06276 1 fiche

Un projet de baguage d'oiseaux auquel participaient des ornithologues de Cuba, du Canada et des États-Unis a été réalisé du 12 au 20 janvier 1988 dans un secteur boisé des marais de Zapata, dans l'ouest de Cuba. Il s'agissait du premier programme international de baguage d'oiseaux mené à Cuba depuis 1959. Les principaux objectifs étaient d'enseigner à des biologistes cubains les techniques de baguage et de capture d'oiseaux à l'aide de filets japonais, d'entreprendre une étude sur les espèces néarctiques qui hivernent ou qui font halte à Cuba, de repérer des endroits favorables à l'établissement de stations de baguage d'oiseaux et de favoriser l'échange d'information entre ornithologues cubains, canadiens et américains.  
• CA EV LS SC

#### Résultats quinquennaux d'une fertilisation dans une plantation de pin gris de l'unité de gestion Grand-Portage

par G. Sheedy. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Direction de la recherche et du développement, 1986. 16 p. Bibliogr. (Note de recherche forestière ; no 32)  
MICROLOG 90-05925 1 fiche

Depuis 1975, près d'une soixantaine de dispositifs expérimentaux de fertilisation ont été établis dans diverses plantations du Québec avec la collaboration des unités de gestion concernées. Le but de ce projet est de déterminer les quantités optimums d'éléments à appliquer sur une plantation d'un âge, d'une essence et d'une classe de fertilité données. Les résultats obtenus jusqu'à maintenant montrent que la fertilisation a permis de stimuler la croissance des arbres dans plusieurs dispositifs. Ce rapport présente les résultats quinquennaux de croissance d'une jeune plantation de pin gris.  
EN FO PR QU SC

#### The Results of a study of the horizontal and vertical distribution of herring larvae in the North Sea

by V.F. Dubravin, B.I. Dubrovin and E.M. Karaseva. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 15 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5410) Originally published in Russian, at Kalingrad, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-01534 1 fiche

One of the major tasks of fisheries science is to study the reproductive environment of fish and their survival in the early stages of the life cycle. The results of estimating egg and larvae numbers (based on stock surveys) depends to a great degree on the specific characteristics of their horizontal and vertical distribution. An attempt was made in 1971 to solve some of the methodological problems involved in estimating the numbers of fish larvae, while carrying out a survey of the larvae of autumn-spawning herring in the North Sea. Samples were collected with a KHAI high-

speed plankton collector modified with a Gulf-3 device and equipped with a counter for measuring the volume of water filtered. The plankton collector remained at each assigned level for 20 minutes, with a total haul of the bottom to surface layer made at the conclusion of each series.  
• CA CF FI LS SC

#### Results of spiny dogfish *Squalus acanthias* tagging in B.C. waters during 1984 and 1985

by M.S. Smith...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 61 p. : ill., maps. (Canadian data report of fisheries and aquatic sciences ; no. 778) CSI/ 21105 031. ISSN 0706-6465  
MICROLOG 90-03587 1 fiche

Sixth report describing the results of the spiny dogfish tagging program. The report presents release information for taggings conducted during 1984 and 1985 and recovery information to December 31, 1985. Individual fish recovery information is not included. The primary purpose of the program is to examine the growth and movement of dogfish throughout B.C. waters. This report also describes the performance of the modified Petersen disc tag and OTC injections.  
BC CA CF LS SC

#### Results of surveys and electrofishing in the Stewiack River, 1984 to 1988 and St. Mary's River, 1985 and 1986

by P.G. Amiro, A.J. McNeill and D.A. Longard. Halifax : Dept. of Fisheries and Oceans, Biological Sciences Branch, Freshwater and Anadromous Division, 1989. ix, 55 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 764) ISSN 0706-6465  
MICROLOG 90-04787 1 fiche

Data concerning the distribution, numbers captured, population densities, migration of marked fish, lengths-at-age of juvenile Atlantic salmon and co-existing species as determined by electrofishing in the Stewiack River from 1984-88 and the St. Mary's River from 1985-86.  
• AP CA CF FI SC

#### Results of tank testing submerged-arc welding deposits made using Oerlikon TiBor 22 wire in combination with various fluxes

by R.J. Brigham and V. Mitrovic-Scepanovic. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. ii, 10 p. : ill. Bibliogr. (Report ; MTL 89-49(TR))  
MICROLOG 90-05999 1 fiche

Four submerged-arc weldments using TiBor 22 wire with various fluxes were compared with a domestic EM12K/F4803 combination in the tank test. Microstructural analysis, mechanical properties and corrosion rates were determined by anodic dissolution tests. The anodic dissolution results were recast to reflect the measurement of the maximum depth of attack from the most corrosion resistant part of the weldment, in this case, the weld metal.  
• CA CM PS SC

#### Results of tank testing to evaluate the effect of copper, nickel, silicon and manganese in weld metal on sea water corrosion resistance

by R.J. Brigham and V. Mitrovic-Scepanovic. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. ii, 15 p. : ill. Bibliogr. (Report ; MTL 89-65(TR))  
MICROLOG 90-05998 1 fiche



Nine trapezoidal plates containing submerged-arc and shielded-metal arc welds were prepared for tank testing. Five submerged-arc weldments containing Mn and Si ranging from 0.13%-0.46% and 4 shielded-metal-arc weldments containing controlled additions of Si, Cu and Ni were tested. This report presents the results of the tests.

• CA CM PS SC

### Results of the R-2000 homeowner survey

prepared for the R-2000 Home Program ; a project of the Energy Conservation Branch, Energy, Mines and Resources Canada ; by Buchan, Lawton, Parent Ltd. Ottawa : R-2000 Home Program ; Energy Mines and Resources Canada, Energy Conservation Branch, 1988. 25 p. : ill. (Technical report ; 031-PE)  
MICROLOG 90-04601 1 fiche

Extensive monitoring, including a homeowner survey and follow-up survey, was done on the R-2000 homes. These surveys determined the effectiveness of the R-2000 technical specifications, demonstrated energy savings, provided information on indoor air quality and heat recovery ventilator performance, identified areas requiring improvement, assessed occupant satisfaction, and obtained marketing information on the occupants. The homeowners survey initially examined the original 300 demonstration homes and represented the home builder's first attempt at working with the new R-2000 standard. Surveys of these homes were taken mainly from 1983-84. The second homeowner survey included R-2000 homes built under revised technical criteria. These surveys were carried out from 1985-87. This report provides highlights of the surveys, the data analysis procedure, survey results, and overall occupant satisfaction with the home.

• CA EN PL SC

### Results of the study of effects of the Rabbit Lake minewater spill, November 6-7, 1989

by S.M. Swanson. Saskatoon, Sask. : Saskatchewan Research Council, 1989. vi, 72 p. : ill. Bibliogr. (SRC publication ; no. E-2130-2-E-89)  
MICROLOG 90-03983 1 fiche

A study of water, sediments and fish in Collins Creek and Collins Bay was conducted to determine the effects of the spill of minewater from the Cameco uranium operation at Rabbit Lake. Water, sediments and fish were collected from sites upstream and downstream of the spill site and analysed for radionuclides and metals. Data were examined for increases downstream compared with upstream, for increases compared with background or monitoring data and for difference with data from other northern Saskatchewan lakes.  
EV MS PR SC

### Results of the study of seals in the Greenland Sea in 1965

by A.G. Belodorodov and V.A. Potelov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 14 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5210) Originally published in Russian, in the USSR. ISSN 0704-3716  
MICROLOG 90-02698 1 fiche

During the 1965 Greenland Sea sealing season, severe ice and weather conditions were observed, adversely affecting the seal hunt. To determine the age composition of hooded and harp seals, lower jaws of animals taken on 4 expeditionary ships were studied. Material was collected and processed on the reproduction biology of female hooded and harp seals as well.

• CA CF FI LS SC

### Résumé de l'Accord de sécurité sociale entre le Canada et l'Italie

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1989. 12 p. L'éd. anglaise (Summary of the Agreement...Italy) sur la même fiche  
MICROLOG 90-03250 1 fiche

Ce document présente le résumé de l'Accord et décrit, en termes généraux, comment l'accord peut ouvrir droit à des prestations canadiennes ou italiennes. Il vise les personnes résidant au Canada et se penche particulièrement sur les prestations canadiennes de la sécurité de la vieillesse, les prestations du régime de pensions du Canada, les prestations italiennes visées par l'accord, la détermination de la législation applicable, le complément d'information sur les cotisations, et la demande de prestations aux termes de l'Accord.  
CA EX

### Résumé de l'Accord de sécurité sociale entre le Canada et la Grèce

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1988. 13 p. L'éd. anglaise (Summary of the Agreement...Greece) sur la même fiche.  
MICROLOG 90-04894 1 fiche

L'Accord de sécurité sociale entre le Canada et la Grèce, signé le 7 mai 1981, est entré en vigueur le 1er mai 1983. Ce résumé décrit, en termes généraux, comment l'accord peut ouvrir droit à des prestations canadiennes ou grecques. Il vise les personnes résidant au Canada et se penche particulièrement sur les points suivants: les prestations canadiennes de la sécurité de la vieillesse; les prestations du régime de pensions du Canada; les prestations grecques visées par l'Accord; la détermination de la législation applicable; le complément d'information sur les cotisations; et la demande de prestations aux termes de l'Accord.  
CA CO EX

### Résumé de l'Accord de sécurité sociale entre le Canada et la Jamaïque

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1989. 12, 11 p. Bilingue (Summary of the accord...Jamaica).  
MICROLOG 90-01690 1 fiche

L'Accord de sécurité sociale entre le Canada et la Jamaïque sert à coordonner les régimes canadiens et jamaïcains qui protègent les personnes en cas de vieillesse, de retraite, d'invalidité ou de décès. Le document porte sur les restrictions relatives au versement des prestations de sécurité sociale à l'étranger; les situations où un travailleur pourrait devoir cotiser dans le cadre des régimes de sécurité sociale des deux pays pour le même travail; et, l'aide aux personnes qui passent d'un pays à l'autre à l'obtention des prestations en fonction des périodes de résidence ou de travail dans chaque pays. En somme, le document décrit comment l'accord peut ouvrir droit à des prestations canadiennes ou jamaïcaines.  
CA EX

### Résumé de l'Accord de sécurité sociale entre le Canada et les États-Unis

Ottawa : Santé et bien-être social Canada, Programmes de la sécurité du revenu, 1988. 13, 12 p. Bilingue (Summary of the agreement...United States)  
MICROLOG 90-01689 1 fiche

Ce rapport présente un résumé qui décrit, en termes généraux, comment l'accord peut ouvrir droit à des prestations du Canada ou des États-Unis. Ce résumé vise les personnes résidant au Canada. Il porte particulièrement

sur les prestations canadiennes de la sécurité de la vieillesse, les prestations du régime de pensions du Canada, les prestations des États-Unis visées par l'Accord, la détermination de la législation applicable, le complément d'information sur les cotisations, et finalement, les demandes de prestations aux termes de l'Accord.  
CA EX

### Résumé du plan d'entreprise de la Société canadienne d'hypothèques et de logement pour 1989-93

Société canadienne d'hypothèques et de logement. Ottawa : la Société, 1989. ix, 54 p. : ill. Bilingue (Summary of the 1989-93...). CSI 22118.005.  
MICROLOG 90-04126 1 fiche

Ce document constitue un résumé du Plan d'entreprise de la Société canadienne d'hypothèques et de logement pour la période de planification de 1989 à 1993. Il reflète les orientations et priorités actuelles du gouvernement, ainsi que les initiatives et processus de la Société qui servent à les appuyer. Il comprend les budgets annuels suivants: le Budget de fonctionnement; le Budget des investissements pour les prêts et les placements; le Budget des investissements pour le mobilier de bureau, le matériel et les locaux administratifs.  
CA PA PL

### Résumé statistique des accidents maritimes survenus en 1988 et 1989

Ottawa : Enquêtes sur les accidents maritimes, 1990. v, 27, v, 27 p. : ill. Bilingue. CSI 21123.011.  
MICROLOG 90-06349 1 fiche

Ce rapport renferme des données statistiques sur les rapports reçus sur les sinistres maritimes, les accidents survenus à bord de navires, les événements dangereux et quelques sinistres étrangers d'intérêt aux autorités canadiennes. Ce numéro contient des données détaillées pour 1988 et 1989, ainsi qu'une revue statistique générale pour une période de 5 ans (1985-89).  
CA SC ST TR

### Résumés des faits saillants

Gendarmerie royale du Canada. Ottawa : la Gendarmerie, 1990. 28, 28 p. Bibliogr. Bilingue (Fact sheets). ISBN 0-662-57307-2  
MICROLOG 90-04482 1 fiche

Les pages de ce document visent à donner un aperçu de la Gendarmerie royale du Canada et de ses activités. Comme on a voulu limiter chaque sujet à une seule feuille standard, il a fallu varier le corps des caractères en fonction de la quantité de matière à imprimer. Les matières étudiées sont: la police contractuelle; la musique de la GRC; le crime informatique; la police de détachement; la sécurité technique; la contrefaçon; la Section de l'assistance à l'identification judiciaire; les télécommunications; l'exécution des lois fédérales; la Direction de la police de protection; les drogues; l'histoire et l'organisation.  
CA JU

### Résumés des ordres et motifs de la Commission de révision des loyers au mois de septembre 1988

Toronto : Commission de révision des loyers, 1988. 69 p. L'éd. anglaise (Summaries of orders...) : 90-04614/1.  
MICROLOG 90-04613 1 fiche

Le document présente les résumés des ordres et motifs de la Commission de révision des loyers au mois de septembre 1988. Il se penche particulièrement sur des questions comme: l'appel d'une révision pour tout l'immeuble; l'appel d'un remboursement de loyer; et, l'appel d'un remboursement de loyer.  
ON PR SA



# **Resurfaçage en béton renforcé de fibres d'acier : autoroute 40, comté de Kirkland**

par G. Chanvillard, P.C. Aitcin et C. Lupien.  
Québec : Gouvernement du Québec, Ministère des transports, 1989. xi, 135 p. : ill.  
Bibliogr. (Etudes et recherches en transports) (Socio-économie des transports) ISBN 2-550-19787-9  
MICROLOG 90-04216 2 fiche

Ce rapport présente dans un premier temps un bilan des techniques de réhabilitation et en particulier de la technique de resurfaçage par une chape mince en béton conventionnel. Les limitations de cette approche sont mises en évidence. Quelques expériences réalisées avec des bétons renforcés de fibres sont également rapportées. La deuxième partie de ce rapport décrit les conditions de l'expérience réalisée dans ce projet et en présente les résultats.  
PR QU SC TR

## **Retail business plan**

Winnipeg : Manitoba Industry, Trade and Tourism, Business Resource Centre, 1989. 30 p. (Small business management systems)  
MICROLOG 90-02305 1 fiche

The purpose of this publication is to help Manitobans who are planning to start retail business enterprises or who wish to re-assess the viability of an established enterprise. It presents a guide to developing a business plan applicable to the Manitoba business scene.  
CO MS PR

## **Retail strips parking strategy proposals**

by R.E. Millward, R.M. Bremner and R.W. Lewis. Toronto : The City, 1989. 42 p. : ill.  
MICROLOG 90-00920 1 fiche

Presents key findings concerning: land use character of the commercial strips, parking inventory and utilization, parking demand generated by retail and restaurant uses, and travel characteristics. It also presents a recommended parking strategy which takes into consideration: zoning by-law parking standards, collective parking strategies, parking management strategies, and land use deletions.  
MU ON TR

## **Le Retraite : analyse des données du Régime de rentes du Québec**

par L. Motard et M. Millette. Québec : Régie des rentes du Québec, 1989. 37 p. : ill. CSI 67176.201. ISSN 0840-4909 ISBN 2-550-19851-4  
MICROLOG 90-02772 1 fiche

Cette brochure sur la retraite présente une analyse des conditions d'attribution de la rente et les montants versés depuis que les premières rentes de retraite sont devenues payables en 1967. Elle étudie l'évolution du nombre de nouveaux bénéficiaires selon l'âge et le sexe de la progression du montant de la rente de retraite. Il en ressort que la proportion des femmes parmi les nouveaux bénéficiaires augmente de façon presque continue, mais que l'écart entre la rente moyenne touchée par les femmes et celle qui est versée aux hommes s'accroît au fil des ans. Enfin, des taux de retraite ont été calculés à partir des statistiques du Régime de rentes à l'égard de la période allant du 1er janvier 1984 (date à partir de laquelle la rente de retraite peut être payable à 60 ans) au 31 décembre 1987.  
PA PR QU SA ST

## **Retrofit of a hog finishing barn to natural ventilation**

by D. Trivers. Toronto : Ministry of Agriculture and Food, Agricultural Energy Centre, 1986. 20 p. : ill. Bibliogr. (Energetics ; 440)  
MICROLOG 90-02015 1 fiche

A mechanical ventilation system in a hog finishing barn was converted to cathedral ceiling type natural ventilation with a continuous ridge outlet and the modified open front type barn. The 18 m width is greater than that of typical naturally ventilated barns. The barn was monitored to determine if the system can provide adequate air mixing and distribution.  
AG ON PR PS SC

## **Returns of general election for the House of Assembly, 1988**

Nova Scotia. Chief Electoral Officer. Halifax : The Officer, 1989. 137 p. CSI 52119.003  
MICROLOG 90-02041 2 fiche

Contains a list of candidates and official agents, candidates' election expenses; party election expenses; a summary, by electoral district and party, of valid votes cast; a recapitulation; votes cast, by polling station, in each electoral district; a summary by political affiliation, of valid votes cast and candidates elected, 1960-1988; and comparative statistics, provincial general elections, 1960-1988.  
AP PA PR ST

## **Revenue and expenditure budgets, year ending December 31, 1990**

Greater Vancouver (B.C.). Burnaby, B.C. : The District, 1990. 364 p. : ill. CSI 89530.003.  
MICROLOG 90-04579 4 fiche

This document contains the 1990 final budgets with the following functions being covered in the consolidated budget overview: water supply and distribution; sewage and drainage, solid waste; general government services, air pollution control, hospital planning, labour relations, parks, development services, E911 emergency telephone system and electoral area functions; and the regional hospital. The role and objectives of each function, together with an organization chart are also provided.  
BC CO MU PA

## **Reversible logic grammars for machine translation**

by M. Dymetman and P. Isabelle. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1988. 33 p. : ill. Bibliogr. French ed. (Grammaires logiques réversibles...) : 90-04194/1. ISBN 0-662-16931-X  
MICROLOG 90-04202 1 fiche

The CRITTER system is being developed to translate agricultural market reports between English and French. This report describes the translation model and the reversible logic grammars, and provides an example.  
CA PS SC TE

## **Review and evaluation of main roadway intersection techniques for use in the Sydney Coalfield**

Golder Associates. Mississauga, Ont. : The Company, 1988. xiii, 198 p. : ill., maps. Bibliogr. Fold. maps not filmed. CANMET contract: 79019-01-SQ.  
MICROLOG 90-03380 3 fiche

Review of the support design and practice for main roadway intersections in the U.K., the U.S., Canada, South Africa and Australia, review and evaluation of the existing designs and rock conditions for roadway intersections in the Sydney coalfield, with particular reference to the Langan Mine; and consideration for applying alternative intersection design methods to the Sydney coalfield.  
• AP CA CM NR SC TR

## **A Review and evaluation of strata reinforcement techniques combined with overcoring methods to determine in situ stress regimes in coal and weak coal measures strata**

Toronto : Strata Engineering Corp., 1988. xi,

132 p. ill. Bibliogr. CANMET contract: 79151-07-SQ.  
MICROLOG 90-00177 2 fiche

Evaluation, by means of a literature review, of strata reinforcement techniques combined with overcoring methods which might be applicable in coal and weak coal measures strata. The report presents information on the background of coal seam features and the state of stress expected in coal mines; current in situ stress determination technologies, and their applicability to coal and weak coal measures strata, potential techniques of strata reinforcement for in situ stress determinations, including grout selection, reinforcement details, laboratory and theoretical data requirements, pumping pressures and equipment/expertise necessary to undertake such strata reinforcement procedures; a phase program of field and laboratory based R&D to demonstrate and validate in situ stress measurements using strata reinforcement and overcoring techniques (STROT); and a summary of current and future Canadian coal industry needs for the determination of in situ stresses in coal measures strata.  
• CA CM NR PS SC

## **Review of 12-hour shifts at nuclear generating stations : final report**

by A. Smiley and N.P. Moray. Ottawa : Atomic Energy Control Board, 1989. 58 p. Bibliogr. (Research report ; INFO-0318)  
MICROLOG 90-01713 1 fiche

This document reviews the practice of 12-hour shift work schedules at nuclear power plants, and its relationship to safety. It examines the current literature for information on accidents, fatigue and personal preferences. Interviews with operators and maintainers showed that these groups had attitude and preference differences related to both 12-hour shift schedules and overtime work opportunities. It identifies several factors related to 12-hour schedules which could affect safety, but which have not been adequately considered.  
CA CI EN PS SC

## **A Review of aerial spraying technology for spruce budworm control in private woodlots in eastern Quebec**

by A. Juneau. Sainte-Foy, Que. : Forestry Canada, Quebec Region, Forest Development, 1989. 211 p. : ill., maps. Bibliogr. French ed. (Revue des opérations techniques...) : 90-07131/3. ISBN 0-662-17002-4  
MICROLOG 90-07130 3 fiche

In 1985, the federal government initiated a protection program against the spruce budworm in private woodlots through aerial spraying of the biological insecticide *Bacillus thuringiensis*. This document includes 5 leaflets and their appendices, giving detailed coverage of the techniques used for each step of the program. The leaflets cover selection of stands to be treated, environmental and social concerns in aerial spraying, guidance systems used, methods of application, and assessing larval and foliage development.  
• CA FO QU SC

## **A Review of airborne particle sampling with special reference to long-lived radioactive dust**

by J. Bigu. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. vii, 132 p. : ill. Bibliogr. (Report ; MRL 90-054(TR))  
MICROLOG 90-07126 2 fiche

Review of some basic aspects relating to the sampling of airborne particles with special reference to long-lived radioactive dust (LLRD). The report covers the production of aerosols, the dynamics of suspended particles, the physical and chemical characteristics and properties of dust clouds, the inhalation and



measurement of dust, dust sampling instrumentation, and work done on LLRD in Canada, with a few references to work done outside the country.  
• CA CM NR PS SC

# **Review of aquatic toxicity and environmental impact of Ontario sewage treatment plant effluents**

prepared for Industrial Programs Branch, Conservation and Protection, Environment, Canada and Water Resources Branch, Ontario Ministry of the Environment, by Beak Consultants Limited and Canviro Consultants, Toronto : Environment Ontario, 1990. vi, 156 p. : maps. Bibliogr.  
MICROLOG 90-04231 2 fiche

Review of the toxicity data available for treated effluents from sewage treatment plants (STPs) located in Ontario and other provinces to determine whether STPs could be categorized with respect to effluent toxicity according to plant type (primary, secondary or lagoon) and process performance measured in terms of BOD5 and ammonia removal; and what categories of plants should be evaluated through field sampling and testing to provide the toxicity database that would allow the development of achievable toxicity limits for each plant category.  
EV ON PR SC

# **Review of Bill 20 : an act to provide for the payment of development charges**

Toronto : Association of Municipalities of Ontario, 1989. ii, 43 p. Bibliogr. (AMO report . report series 1989 : 89-7)  
MICROLOG 90-01040 1 fiche (Available on fiche only)

This document discusses the proposed definition of 'capital cost', development charges, front-end payments, education development charges, and the effective date of the Bill and the status of municipal development charge by-laws.  
MU ON PA

# **Review of Canadian Trichoptera, I : the family Rhyacophilidae *Annulipalpia***

by F. Schmid. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 83 p. : maps. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5223) *Originally published in French*. ISSN 0704-3716  
MICROLOG 90-02686 1 fiche

Description of the family *Rhyacophilidae*, a large family of *Trichoptera* that is widely distributed throughout the Northern hemisphere. The report describes the biology and morphology of the family, then individuals within each of the 5 branches. Geographical distribution maps are also included.  
• CA CF FI LS SC

# **Review of Canadian Trichoptera, II : glossosomatidae and philopotamidae *annulipalpia***

by F. Schmid. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 99 p. (Canadian translation of fisheries and aquatic sciences ; no. 5197) *Originally published in French*. ISSN 0704-3716  
MICROLOG 90-00042 2 fiche

Third in a series of papers on the trichopteran fauna of Canada, covering Glossosomatidae and Philopotamidae. A description is given of their morphology, with detailed descriptions of the subfamilies of each.  
• CA CF FI LS SC

# **A Review of crashworthiness of composite aircraft structures**

by C. Poon. Ottawa : National Aeronautical Establishment, 1990. vi, 35 p. : ill. Bibliogr.

(Aeronautical note ; NAE-AN-63)  
MICROLOG 90-04034 1 fiche (Available on fiche only)

Review of major research activities in North America into the crashworthiness of composite aircraft structures to identify potential Canadian contributions to R&D areas where effort would be required to complement the on-going programs in the U.S. The areas reviewed included the crashworthiness design criteria of the U.S. Army; major experimental programs undertaken by the FAA, the U.S. Army, NASA, and Bell Helicopter Textron Inc. in the U.S., as well as the University of Toronto in Canada in developing crashworthiness design concepts for composite structures; and the capabilities of crash dynamics computer codes. Recommendations are included.  
• CA PS SC TR

# **Review of dynamic testing of highway bridges**

by B. Bakht and S.G. Pinjarkar. Toronto : Ministry of Transportation, Research and Development Branch, 1989. iii, 33 p. : ill. Bibliogr.  
MICROLOG 90-01344 1 fiche

Review of the recent technical literature in English dealing with bridge dynamics in general and dynamic testing of highway bridges in particular. A preferred method for interpreting the field test data for obtaining a representative value of the impact factor is suggested.  
ON PR PS SC TR

# **A Review of hydrogeological and geochemical data from three Ontario Hydro fly ash disposal sites**

by A. Vorauer. Toronto : Ontario Hydro, Research Division, 1989. ii, 44 p. : ill., maps. Bibliogr. (Report ; no. 89-42-K)  
MICROLOG 90-01169 1 fiche

A review of hydrogeological and geochemical data collected from 3 Ontario Hydro fly ash disposal sites was conducted to assess the environmental impact of fly ash landfilling on the groundwater regimes at Booth Quarry in Elobicoke, Canada Brick Quarry in Mississauga, and Birchwood Park in Clarkson, Ontario. Fly ash has been in place at the above sites from 3-17 years, and different landfill designs and practices were used at each one. Geologically, the Booth Quarry and the Canada Brick Quarry are located in shale bedrock which is a favourable environment for fly ash landfilling. The Birchwood Park site, located in a former sand and gravel pit, has not been as successful.  
EV ON PR PS SC

# **Review of independent telephone systems in Ontario and Quebec concerning policy issues : final report**

prepared by D.A. Ford & Associates Ltd. and Econotec Inc. Toronto : Ministry of Transportation and Communications ; Quebec : Ministère des communications, 1987. 55, 56 p. : ill. *Bilingual (Etude des problèmes...)*.  
MICROLOG 90-01595 2 fiche

Results of a review of policy issues which affect the independent telephone systems in Ontario and Quebec. The report describes briefly the existing structure and situation of the independent telephone industry; identifies the policy, regulatory, industry and technology concerns of greatest importance; assesses the impact of recent and potential future changes in long distance rates, including the impact on traffic agreements with Bell Canada; and describes the impact of the adoption of new technologies and new ownership changes on their possible futures. Interviews were conducted with participants in the independent telephone industry, including independent telephone systems, their toll carriers (Bell Canada, Ontario Northland), the associations, and the regulators. Representatives of the

U.S. Telephone Association were also interviewed.  
ON PR QU SC TE

# **Review of literature related to clay liners for sump disposal of drilling waste**

by D.R. Pauls, S.R. Moran, T. Macyk ; for the Oil and Gas Reclamation Research Program. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, 1988. xxiv, 61 p. : ill. Bibliogr. (Report ; RRTAC 88-10)  
MICROLOG 90-02883 1 fiche

This report assesses the effectiveness of geological containment of drilling waste in sumps by conducting a literature review and problem analysis. The study was based on the premises that disposal of drilling waste in sumps is likely to be a standard practice; heavy-duty polyethylene liners and exotic clay materials are too expensive for use in most drilling-waste disposal sumps, and that compacted indigenous clay liners will be used in most waste sumps.  
AL EN EV PR PS SC

# **Review of Ontario education programs for deaf and hard-of-hearing students**

Toronto : Ministry of Education, Program Implementation and Review Branch, 1989. x, 204 p. : ill.  
MICROLOG 90-01693 3 fiche

This document reports on the academic achievement of the deaf and hard-of-hearing and gives the participation rates and various demographic descriptors of the respondents. It also presents information on preschool and parent services; the teacher education centre in Belleville; educators of the deaf; the Policy Development and Advisory Committees; the program and curriculum; communication methodologies; educational support staff; and orientation to postsecondary programs.  
ED ON PR

# **A Review of person-portable instruments for chemical spill response**

by M.D. Goldthorp. Ottawa : Environment Canada, Environmental Protection Directorate, 1989. iii, 185 p. Bibliogr. (Report ; EE-118)  
MICROLOG 90-02392 2 fiche

A review of commercially available instruments was compiled. According to information from manufacturers and distributors, these instruments are person-portable, field worthy and provide rapid quantitative results for a number of chemicals from Environment Canada's spill priority list. The review contains features of the listed instruments which are relevant to spill responders, such as display characteristics, detection levels, response time, accuracy, ranges for detectable compounds, operating conditions, power requirements, physical dimensions, and price.  
• CA EV PS SC

# **Review of rehabilitation services in Manitoba, 1989**

by W. MacDiarmid. Winnipeg : Manitoba Health, 1989. 80 p. Bibliogr.  
MICROLOG 90-01452 1 fiche

This document provides a broad overview of rehabilitation needs, and addresses the issues of universality of access to rehabilitation services, the supply of qualified professionals, and the organization and deployment of services.  
HE MS PR



**A Review of research and development in crashworthiness of general aviation aircraft : seats, restraints and floor structures**

by P. Huculak. Ottawa : National Aeronautical Establishment, 1990. vii, 80 p. : ill. Bibliogr. (Aeronautical note ; NAE-AN-64)  
MICROLOG 90-04035 1 fiche (Available on fiche only)

Results of a literature search conducted to define the status of R&D on crashworthiness in general aviation seats, restraints and floor structures. Other associated topics (accident statistics, human injury and tolerance, impact testing and modelling) are included to provide background information. Some recommendations are made regarding Canadian participation in such R&D.

• CA PS SC TR

**A Review of research on residential renovation**

prepared for Canada Mortgage and Housing Corporation, Research Division ; prepared by TEEGA Research Consultants Inc. Ottawa : Canada Mortgage and Housing Corporation, Research Division, 1989. xv, 96 p.  
MICROLOG 90-01276 2 fiche

This study identifies and compiles pertinent, descriptive information on renovation research which has been carried out over the past decade in Canada. It develops a computer database which consolidates the compiled information and serves as an analytical basis for evaluating research on residential renovation. It also identifies areas of research which have been sufficiently addressed and distinguishes these from areas where further study is required.

CA SA

**Review of roadside wildflower programs and assessment of feasibility in Ontario**

by J.F. Elhirst. Toronto : Ministry of Transportation, Research and Development Branch, 1990. v, 75 p. Bibliogr.  
MICROLOG 90-05480 1 fiche

In recent years, wildflowers have played an increasingly important role in the roadside landscaping programs of several U.S. states. As a result of these programs, Ontario has received requests from the general public to institute a similar program. In September 1987, a study on the feasibility of incorporating wildflowers in the roadside vegetation management program for southern Ontario (Districts 1 through 9, south of Huntsville), was begun. This report summarizes those findings and includes some additional information on wildflower programs in other jurisdictions and relevant research.

ON PR SC TR

**Review of tactical units, 1989**

Toronto : Ontario Police Commission, 1989. ix, 72 p. Bibliogr. *Appendices (288 p.) laid in.*  
MICROLOG 90-07032 4 fiche

This document describes tactical units and discusses their current use. It examines the background and social context to the inception of police tactical units. It discusses the future of tactical units, the selection and training of personnel, and equipment. It concludes with information on public education.

JU ON PR

**A Review of the 1985 chum salmon season in the Johnstone Strait-Fraser River study area**

by L. Hop Wo, A.P. Gould and M. Farwell. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, South Coast Division, 1987. viii, 54 p. Bibliogr. (Canadian technical report of fisheries and

aquatic sciences ; no. 1524) ISSN 0706-6457  
MICROLOG 90-00769 1 fiche

The status of chum salmon stocks returning to the Johnstone Strait - Fraser River study area has been reviewed periodically since 1961. This report describes the 1985 fisheries management objectives and reviews the 1985 chum fishing season. The study area consists of Johnstone Strait, the Strait of Georgia and Fraser River regions, and is divided into 13 major sub-areas. The report discusses commercial fishery management objectives, including stock assessment, harvest strategy and catch allocation; details the methods used to achieve the management objectives and includes procedures used for in-season stock assessment; and describes the results of management action and stock assessment, including catch, escapement, total stock size, and harvest rate.

• BC CA CF FI SC

**A Review of the activities of the Mineral Sciences Laboratories in plasma technology in the period 1983-89**

by S.A. Mikhail. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1990. 15 p. (Report ; MSL 90-59(LS))  
MICROLOG 90-07118 1 fiche

In the last few years it has become evident that plasma technology, in many instances, has the potential for the efficient substitution of electrical energy for fossil fuel utilization as well as for completely new applications. The availability of an excess supply of relatively inexpensive electric power in some Canadian provinces puts Canada in a favourable position to develop and use plasma technology, although Canadian industries are hesitant to adopt it and Canada lags behind in its development and applications. This report summarizes the research activities of MSL in the field, including a brief account of the nature of the involvement of MSL before 1983, of the inhouse research work and of the contract work sponsored by MSL and funded by the Panel on Energy Research and Development from 1983-89.

• CA CM NR PS SC

**A Review of the fairness of the comparative value pricing system**

H & W Saunders Associates Ltd. Victoria : Ministry of Forests, 1990. iv, 28 p. : ill.  
MICROLOG 90-04752 1 fiche

This document includes a review of the objectives set for the system, a review of the recent evolution of the stumpage system in the interior, and a review of the Ministry of Forests files of submissions from licensees on perceived inequities. It also provides the findings from interviews with 71 individuals representing 34 licensees. Finally it contains a review of available financial data to see if results are consistent with the objectives and expectations of the system.

BC CO PR

**A Review of the Geneva negotiations, 1989-90**

by D. Cox. Ottawa : Canadian Institute for International Peace and Security, 1990. 8 p. (Background paper ; no. 32) *French ed. (Les Pourparlers de Genève...)* : 90-07060/1. ISBN 0-662-17885-8  
MICROLOG 90-07059 1 fiche

This paper reviews the development of the strategic arms and missile defence negotiations in Geneva during 1989, the first year of the Bush Administration, and into the early months, of 1990.

• CA EX

**A Review of the heritage resources of Virden-Wallace Planning District**

by K. Nicholson. Winnipeg : Manitoba Culture, Heritage and Recreation, 1986. iv, 269 p. : ill., maps. Bibliogr.  
MICROLOG 90-02288 4 fiche

This report provides an overview of the history of the area and specific details about sites of historical interest and value within the district. It presents a summary of the settlement and economic development of the region, and a listing and description of sites of reduced importance in the historical context. Finally, it deals with specific sites which have potential heritage value accorded to them by their significance.

CU MS PL PR

**A Review of the international literature on mine spoil subsidence**

by J.D. Scott...et al. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, Plains Coal Reclamation Research Program, 1988. xxiv, 36 p. : ill. Bibliogr. (Report ; RRTAC 88-12)  
MICROLOG 90-02880 1 fiche

One of a series of reports presenting the findings of the plains hydrology and reclamation project, an interdisciplinary study that focuses primarily on hydrologic aspects of reclamation of surface coal mines in the plains of Alberta. This literature review was compiled as background investigations of the settlement behaviour of uncompacted mine spoil. All the major relevant engineering, geotechnical, and reclamation bibliographic data bases and indices were searched from 1970-84.

AL EV NR PR SC

**Review of the literature on migrant mental health**

Ottawa : Canadian Task Force on Mental Health Issues Affecting Immigrants and Refugees, 1988. ii, 51 p. Bibliogr. *French ed. (Revue des documents...)* : 90-02620/1. ISBN 0-662-16393-1  
MICROLOG 90-01558 1 fiche

Reviews the current knowledge, based on research, regarding the mental health status of immigrants and refugees and the mental health services which are or should be available to them.

BS CA EX HE

**Review of the Meziadin River Fishway and Upper Nass Biological programs, 1989**

by D.R. Southgate. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, 1989. iii, 64 p. : ill., maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 776)  
ISSN 0706-6465  
MICROLOG 90-02629 1 fiche

The Meziadin River flows into the Nass River approximately 180 km from where the Nass River flows into Portland Inlet. The fishway is situated 1 km from the confluence of the Meziadin and Nass Rivers. This report contains daily fishway counts for all salmon species and steelhead trout, as well as age, sex, and length information for sockeye salmon at the Meziadin fishway and Bowser, Damdochax and Fred-Wright lakes.

• BC CA CF FI SC

**A Review of the Nass River test fishery biological program for 1987 and 1988**

by D.R. Southgate, V.L. Craig and A.L. Jantz. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1989. iv, 88 p. (Canadian data report of fisheries and aquatic sciences ; no. 738) ISSN 0706-6465  
MICROLOG 90-04334 1 fiche



The Nass River test fishery has been operated annually since 1963, with little change. The test fishery occurs on the lower Nass River near Monkley Creek, approximately 16 km from the commercial fishing boundary near Kincolith. The test fishery program provides a daily estimate of the sockeye escapement into the Nass River and the data obtained from this operation is combined with estimates of the commercial catch in Area 3 to provide an indication of how the sockeye run is developing. Although daily escapement estimates are not calculated for the other species of salmon, the relative abundance and timing of chinook is determined by comparing calculated indices. This report documents the information collected during the 1987 and 1988 test fishery programs.

• BC CA CF FI SC

#### A Review of the Nass River test fishery biological program for 1989

by D.R. Southgate, B. Spilsted and L. Jantz. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, 1990. iii, 73 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences, no. 805) ISSN 0706-6465 MICROLOG 90-06630 1 fiche

The Nass River test fishery has been operating annually since 1963, with little change from the original program. The test fishery occurs on the lower Nass River near Monkley Creek, approximately 16 km from the commercial fishing boundary near Kincolith. This report presents information for 1989 on the daily catch of all salmon species and steelhead trout, giving age, sex and length for sockeye and length, sex and flesh colour for chinook salmon. Set times and duration, position in the tide cycle, weather and water conditions and water temperature are given as well. Daily index calculations are tabulated for sockeye and chinook along with escapement estimates for sockeye. In addition, the historical relationships between the annual test fishery index for sockeye and the actual escapement count from the spawning grounds is presented.

• BC CA CF FI LS SC

#### Review of the Occupational Health and Safety Act : a report

Saskatchewan Occupational Health and Safety Council. Regina : The Council, 1989. viii, 38 p. MICROLOG 90-02804 1 fiche

This document covers the administration of the Act; the powers and duties of the Occupational Health and Safety Branch and occupational health officers; general requirements; employee participation; enforcement, penalties and other sanctions; accident prevention programs; small business; and agriculture.

#### Review of the Ontario Ministry of Health, Emergency Health Services Air Ambulance Service

S.I. : Aerodevco Consultants Ltd., 1989. ii, 110 p. : ill. Bibliogr. MICROLOG 90-00026 2 fiche

Determines if the standards and procedures, air carrier contracts, inspection and enforcement procedures, organization, management, staff numbers and qualification, and safety record of the Air Ambulance meet the needs of the Service.

#### Review of the packing and marketing system for the British Columbia vegetable industry

Canada-British Columbia Agri-Food Regional Development Subsidiary Agreement, 1989. 121 p. Executive summary (6 p.) laid in. MICROLOG 90-03074 3 fiche

Describes the vegetable marketing system in the province. It also presents the results of a survey of members of the Co-operative, and summarizes the opinion of major customers of B.C. Coast. It presents a financial and operational review of the Co-operative with an analysis of cost elements. In addition, it discusses comparative marketing systems in other jurisdictions, including a comparison of costs and charges, and presents the alternatives of on-farm packing. Finally it includes conclusions, recommendations, and alternative strategies.

AG BC CO PR

#### A Review of the role of melatonin levels in neoplastic development

by T. Arndt. Toronto : Ontario Hydro, Research Division, 1990. 18 p. Bibliogr. (Report ; no. 89-313-K) MICROLOG 90-06035 1 fiche

There has been increasing interest in the suggestion that electromagnetic fields may have deleterious effects on human health. Recent epidemiological studies have linked exposure to electric and magnetic fields to increased risk for several types of cancer. This report presents the results of a brief literature review carried out to determine the validity of the hypothesis that melatonin suppression could influence the cancer incidences report in EMF studies.

EN HE ON PR PS SC

#### A Review of the U.S. farm-raised catfish industry and its implications for Canadian groundfish exporters

by J. Barnett. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1990. 46 p. Bibliogr. (Economic and commercial analysis report ; no. 52) ISSN 0843-5626 ISBN 0-662-17698-7 MICROLOG 90-06531 1 fiche

This study consolidates all information currently available on the catfish industry in Mississippi in order to assess the implications of catfish competition in U.S. markets for Canadian groundfish exporters. The study begins with an overview of the industry, then details the components of that industry, including the vertically integrated nature of the business, the production process, inspections systems, marketing and promotions, sales and distribution. The implications for Canadian groundfish exporters are detailed through the competition for market share, the cost of competition, the chance to use quota cutbacks to rethink marketing strategies, and what the groundfish industry can learn from the catfish industry.

• CA CF EX FI SC

#### A Review of various approaches being undertaken by industrialized nations for the management and disposal of high-level nuclear waste

prepared for Federal Environmental Assessment Review Office. Niagara Falls, Ont. : Acres International Ltd., 1989. 133 p. : ill. Bibliogr. French ed. (Examen des diverses méthodes...) : 90-02370/2. ISBN 0-662-17238-8 MICROLOG 90-02369 2 fiche

The high-level nuclear waste (HLW) disposal concept proposed by Atomic Energy of Canada Ltd. was submitted for review by the federal environmental assessment and review process (EARP). This report summarizes the status of high-level nuclear waste management programs in other countries. A brief review of the Canadian HLW program is made for comparison with other countries' progress, particularly that of Belgium, France, the Federal Republic of Germany, Sweden, Switzerland, and the United States, which are described in detail. For each country, descriptions are given of

key organizations, disposal facility schedules, waste quantities, interim storage and transportation, site investigations, repository design, impact analysis, monitoring, licensing and other regulatory requirements, disposal concept assessment, and public participation processes.

• CA CI EN EV PS SC

#### Review of *Bacillus thuringiensis* var. *kurstaki* (Btk) for use in forest pest management programs in Ontario, with special emphasis on the aquatic environment

prepared for Aquatic Criteria Development Committee, Water Resources Branch ; by G.A. Surgeoner and M.J. Farkas. Toronto : Environment Ontario, 1990. vii, 87 p. Bibliogr. ISBN 0-7729-6453-X MICROLOG 90-06408 2 fiche

In response to the preparation of a class environmental assessment for timber management on Crown lands, a study of *Bacillus thuringiensis* var. *kurstaki* (Btk) was undertaken for use in the forest pest management programs of Ontario. This review focuses on the aquatic ecosystem effects of Btk and considers its effects on non-target terrestrial biota (wildlife and humans) through contact and ingestion of contaminated water and/or biota. The intent was to develop a provincial water quality objective (PWQO) from the review document. However, the difficulty in enumerating Btk in water has prohibited the development of a numerical PWQO. Instead, a narrative environmental impact statement has been prepared and is provided.

FO ON PR SC

#### Revised agricultural suitability classification for special crops in the Regional Municipality of Haldimand-Norfolk

by E.W. Presant. Toronto : Ontario Institute of Pedology, 1990. 51 p. (Report ; no. 57) MICROLOG 90-05774 1 fiche

These ratings are based on information obtained from field observations, agricultural research, extension personnel and relevant literature. The ratings are based on the type of soil identified in the area soil map. Ratings are given for tree fruits, grapes and small fruits; vegetable crops; and some field crops.

AG ON PR SC

#### Revised population estimates of the Yukon, June 1, 1989

Whitehorse : Executive Council Office, Bureau of Statistics, 1989. 21 p. : ill. CSI 79107.004. MICROLOG 90-00531 1 fiche

Provides information on the historical background of the population in the Yukon, and the process of developing the population estimates. The statistics are organized according to age, sex, and community.

NO PR SA ST

#### Révision de la méthode d'estimation de la fréquentation, lieu historique national des Fortifications-de-Québec : rapport d'analyse

par S. Daigle. Ottawa : Environnement Canada, Service canadien des parcs, 1989. 76 p. : ill. MICROLOG 90-06319 1 fiche

Les fortifications, ouvrages défensifs d'une longueur de 4,6 kilomètres qui ceinture la vieille ville, font de Québec un endroit unique en Amérique du Nord. Site de l'arrondissement historique inscrit par l'Unesco à la liste du patrimoine mondial, les fortifications de Québec comprennent plusieurs parcs urbains aménagés pour la détente, des couloirs pour piétons ainsi que des belvédères sur les murs et le long de ceux-ci. Le but de ce rapport de recherche est, dans un premier temps, de présenter la méthode cueillette des données et l'analyse qui en a été faite, de



détailler ensuite une nouvelle méthode d'estimation et, enfin, de décrire l'algorithme qui servira, au cours des années à venir, à calculer la fréquentation totale du site par secteur et par période.  
CU PR QU

### Revue de CANMET, 1976-77

Centre canadien de la technologie des minéraux et de l'énergie. Ottawa : le Centre, 1979. viii, 56 p. : ill. ISBN 0-660-90104-8  
MICROLOG 90-04682 1 fiche

Présente un rapport soulignant les aspects principaux des divers projets et activités de CANMET dans le cadre de ses deux programmes. Le texte est structuré selon les programmes et non pas en fonction des unités fonctionnelles, les travaux de recherche apparentés mais menés dans différents laboratoires se trouvent ainsi regroupés.  
● CA CM EN NR SC

### Revue de littérature sur les divers concepts de vergers à graines

par T. Morissette. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service de la régénération forestière, 1990. v, 32 p. Bibliogr. ISBN 2-550-20488-3  
MICROLOG 90-03640 1 fiche

Rapport visant à faire le point sur l'évolution du concept de verger à graines. Il fait état des quelques tentatives réalisées en peu partout dans le monde. Celles-ci visent à développer des concepts et des techniques permettant d'accélérer l'amélioration génétique des arbres par le croisement des meilleurs individus, suivi de l'identification des meilleurs clones et croisement et par la production de masse de semences améliorées pour le reboisement.  
EN FO PR QU SC

### Revue des documents de référence portant sur la santé mentale des migrants

Ottawa : Groupe chargé d'étudier les problèmes de santé mentale des immigrants et des réfugiés au Canada, 1988. iii, 55 p. Bibliogr. L'éd. anglaise (*Review of the literature...*) : 90-01558/1. ISBN 0-662-95221-9  
MICROLOG 90-02620 1 fiche

Inventorier les connaissances actuelles, fondées sur des travaux de recherche, relativement à l'état de santé mentale des immigrants et des réfugiés, et aux services de santé mentale auxquels ils ont, ou devraient avoir, accès sont parmi les mandats de ce document. De plus, le document se penche sur les points suivants : l'étendue de la revue des documents de référence; l'état de santé mentale des immigrants et des réfugiés; les services de santé mentale destinés aux immigrants et aux réfugiés; et, les solutions proposées pour remédier aux obstacles.  
BS CA EX HE SC

### Revue des opérations techniques de pulvérisations aériennes contre la tordeuse des bourgeons de l'épinette dans les forêts privées de l'est du Québec

par A. Juneau. Sainte-Foy, Québec : Forêts Canada, Région du Québec, Développement forestier, 1989. 219 p. : ill., cartes géogr. Bibliogr. L'éd. anglaise (*A Review of aerial spraying...*) : 90-07130/3. ISBN 0-662-95472-6  
MICROLOG 90-07131 3 fiche

L'identification des peuplements résineux se fait au cours de l'été précédant les opérations de traitement. Ce travail a pour but d'évaluer la superficie des secteurs qui regroupent des peuplements résineux contigus et susceptibles d'être traités. Il examine principalement les points suivants : les cartes forestières du

territoire concerné et détermine la localisation des peuplements résineux. De plus, le document porte sur : l'identification des peuplements résineux; la délimitation et l'observation des secteurs à traiter; la détermination des risques de défoliation du feuillage annuel; l'évaluation globale; et, la détermination des blocs de traitement.  
● CA FO QU SC

### Revue du marché des bestiaux, 1989

Ottawa : Agriculture Canada, Direction générale du développement agricole, Division du développement des productions animales, Section des viandes rouges, Service d'information sur les marchés, 1990. 48 p. Bilingue (*Livestock market review, 1989*). CSI 21100.017.  
MICROLOG 90-05411 1 fiche

Ce document présente une revue générale du marché des bestiaux et de la viande pour l'année 1989. Ensuite il donne des revues du bœuf, des moutons et agneaux, et du porc. Enfin, on inclut 30 tableaux statistiques qui traitent des tarifs, de la population des bestiaux, des importations et exportations, des prix moyens, des abattages, et des ventes.  
AG CA SC ST

### Revue du marché des pommes de terre, 1988-89

Ottawa : Agriculture Canada, Direction générale du développement agricole, Division du développement des productions végétales, Section d'horticulture, 1990. 62 p. Bilingue (*Potato market review...*). CSI 21100.023. ISBN 0833-1324  
MICROLOG 90-05402 1 fiche

Ce document passe en revue les faits saillants de la saison 1988-89 pour chaque province et donne un synopsis du marché nationale. On y retrouve aussi des statistiques sur l'ensemencement, les rendements, la production, la valeur à la ferme et d'autres données sur la production de la pomme de terre au Canada.  
AG CA ST

### Revue du marché des pommes, 1988-89

Ottawa : Agriculture Canada, Direction générale du développement agricole, Division du développement des productions végétales, Section d'horticulture, 1990. 93 p. Bilingue (*Apple market review...*). CSI 21100.022. ISBN 0833-1308  
MICROLOG 90-06779 1 fiche

Rapport pour l'année 1988-89 présentant la production de pommes au Canada. Traite du stock régulier et sous atmosphère contrôlée, de l'exportation et de la production dans certains pays et aux États-Unis. On trouve aussi un sommaire du marché et de la consommation, et une revue saisonnière par province et région.  
AG CA CO ST

### Revue du marché du capelan de l'Atlantique, avril 1990

Halifax : Ministère des pêches et des océans, Direction de l'économie et de la coordination des programmes, 1990. 14 p. : ill. (Rapport d'analyse économique et commerciale : no 59) L'éd. anglaise (*Atlantic capelin market...*) sur la même fiche. ISBN 0843-5626 ISBN 0-662-96121-8  
MICROLOG 90-05224 1 fiche

Le Capelan a mis en valeur le capelan, auparavant transformé en guano de poisson pour le marché étranger, pour en faire un produit alimentaire rentable. La pêche du capelan est essentiellement axée vers un marché unique, le Japon, qui constitue le marché principal d'importation du capelan femelle entier et de ses oeufs. Cet aperçu porte sur : l'examen des marchés et les possibilités d'expansion; la ressource, c'est-à-

dire l'offre de capelan; et, les prix et les perspectives de marché des produits du capelan.

● AP CA CF CO FI SC

### Revue sélectionnée des données relatives à la biologie, à la dynamique des populations et à l'exploitation du touladi *Salvelinus namaycush* applicables au Québec nordique

par F. Lévesque. Québec : Ministère du loisir, de la chasse et de la pêche, Direction régionale du Nouveau-Québec, 1989. iv, 29 p. Bibliogr. ISBN 2-550-19909-X  
MICROLOG 90-01791 1 fiche

Ce document passe en revue les ouvrages sélectionnés portant sur la biologie de l'espèce, la dynamique des populations et l'exploitation des stocks dans les régions septentrionales du continent nord-américain applicables au touladi du Québec nordique. De plus, il tire les conclusions se rapportant au potentiel de l'espèce à supporter l'exploitation dans cette région, dont la mise en valeur par la pêche commerciale.  
CU EV FI PR QU SC

### REXFOR (Québec) : Rapport annuel 1988-89

Sainte-Foy, Québec : REXFOR, 1989. 32 p. CSI 67228.001 ISSN 0706-4977 ISBN 2-550-19845-4  
MICROLOG 90-01010 1 fiche

Présente le rapport annuel des activités de la Société de récupération, d'exploitation et de développement forestiers du Québec pour l'exercice terminé le 31 mars 1989. On y fournit les résultats consolidés pour les cinq derniers exercices, le rapport sur les activités; les états financiers et le bilan consolidés; les résultats et bénéfices non répartis consolidés; l'évolution de la situation financière consolidée; et le sommaire des placements et des revenus de placements.  
FO PR QU SC

### REXFOR (Québec) : Rapport annuel 1989-90

Sainte-Foy, Québec : REXFOR, 1990. 32 p. : ill. CSI 67228.001 ISSN 0706-4977 ISBN 2-550-20887-0  
MICROLOG 90-07284 1 fiche

Rapport annuel de la compagnie REXFOR, la Société de récupération, d'exploitation et de développement forestier du Québec. Cette Société a pour objets de récupérer et d'exploiter toute agglomération de bois du domaine public, de revaloriser par toute mesure sylvicole appropriée, et de stimuler l'implantation et le développement de l'industrie forestière ainsi que la création d'emplois nouveaux. Le rapport fait le bilan des activités de REXFOR, des filiales, ainsi que des entreprises affiliées. Inclut les états financiers.  
FO PR QU SC

### The Rheology of heavy oils and water-in-heavy oil emulsions : final report

by R. Woo, G. Coskuner and B.B. Maini. Calgary, Alta. : Petroleum Recovery Institute, 1989. ii, 103 p. : ill. Bibliogr. CANMET contract : 89013-01-SQ  
MICROLOG 90-05676 2 fiche

Results of an investigation of the rheological properties of water-in-heavy oil emulsions. The investigation began with a literature review on oil field emulsions. An experimental apparatus was then developed for measuring rheological properties of water-in-heavy oil emulsions. The results of the measurements are presented, then the implications of these results for heavy oil production is discussed, identifying areas in which further research is needed.

● AL CA CM EN PS SC



**Rhizina root rot of conifers**

by B.E. Callan. Victoria : Forestry Canada, Pacific and Yukon Region, Pacific Forestry Centre, 1990. 4 p. : ill. Bibliogr. (Pest leaflet ; FPL 56)  
MICROLOG 90-05793 1 fiche

Rhizina root rot of conifers is caused by a fungus which commonly fruits on recently burned forest soil. This note describes hosts and distribution, the life history, symptoms and identification of the causal agent, damage done, and control

• BC CA FO SC

**Rhodes Township**

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 18 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 484)  
MICROLOG 90-01093 1 fiche

Geological data inventory for Rhodes Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical surveys, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

**Richesses minérales de l'Ontario**

Toronto : Entente Canada-Ontario sur l'exploitation minérale, 1989. 17, 17 p. : ill. *Bilingue (Ontario's mineral...)*. ISBN 0-7729-5645-6  
MICROLOG 90-00870 1 fiche

Ce document porte sur les richesses minérales de l'Ontario et examine particulièrement les aspects suivants : le dynamisme de la géologie en Ontario; la longue histoire de l'exploitation minière; la recherche des Minéraux; et comment les roches produisent des richesses minérales.

• CA NR ON SC

**The Right to be different : human rights in Canada : an assessment**

Ottawa : Canadian Human Rights Commission, 1988. 20, 20 p. : ill. *Bilingue (L'Egalité dans la différence...)*. ISBN 0-662-56278-X  
MICROLOG 90-01820 1 fiche

This publication presents the views of a number of Canadians concerning Canada's performance on human rights. They focus on the universal declaration of human rights, the Canadian Human Rights Act, and the pursuit of equality.  
CA CI JU SA

**Riparian rights and public foreshore use in the administration of aquatic crown land -- Rev.**

Victoria : Ministry of Crown Lands, Land Policy Branch, 1990. 25 p. Bibliogr. (Occasional paper ; no. 5) ISSN 0827-7354 ISBN 0-7726-1094-0  
MICROLOG 90-07184 1 fiche

In B.C., the Ministry of Crown Lands administers aquatic Crown lands. This paper reviews the riparian rights of property owners and provides guidelines on how to protect these rights and the privilege of public access, while making such land available for other uses. The paper demonstrates the ways in which riparian rights affect and, in turn, are affected by the administration of Crown land. The guidelines provided explain how the Ministry can protect riparian rights in carrying out its administrative function and how it can assert the Crown's right to eroded land. The paper also describes the mechanisms by which the Crown can retain or acquire riparian rights.  
BC PL PR PW SC

**Risk perception and drug safety evaluation**

by I.B. Vertinsky and D.A. Wehrung. Ottawa : Health and Welfare Canada, 1990. vi, 35, vi, 37 p. Bibliogr. *Bilingue (Perception du risque et...)*. ISBN 0-662-57252-1  
MICROLOG 90-05778 1 fiche

This report presents a framework for analyzing the relationships between public risk perceptions and the regulatory process in order to promote public safety based on the extant literature concerning risk perceptions. It also surveys the existing empirical evidence about the postulated relationships. The resulting framework is then applied to the role of public risk perceptions in drug safety evaluation to derive some general recommendations regarding communication strategies aimed at the attainment of higher safety levels.  
BS CA HE

**Risk, pooling, contract structure and organizational form of insurance firms**

by N.A. Doherty and G. Dionne. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 31 p. Bibliogr. (Publication ; no. 661) (Cahier ; 8935)  
MICROLOG 90-01427 1 fiche

Previous explanations of the contract choice and organizational form of insurance firms do not explain, by themselves, the recent proliferation of mutuals and new contract designs. This study presents risk bearing arguments to address these phenomena. It presents 2 forms of insurance. The first is a conventional transfer of risk whereas the second decomposes risk between idiosyncratic and non-idiosyncratic. It shows that the latter leads to more active trade in insurance markets with correlated exposures.  
CO PR QU

**Risk-benefit and quality-of-life analyses of prescription drugs**

by G. Torrance...et al. Ottawa : Health and Welfare Canada, 1990. viii, 53, viii, 55 p. : ill. Bibliogr. *Bilingue (Analyses risques-avantages et qualité...)*. ISBN 0-660-55555-7  
MICROLOG 90-05875 2 fiche

This document encourages the use of quality-of-life measurement techniques in the clinical trial for certain new drugs. It also endorses utility measurement in particular as a powerful technique for determining the balance of risks versus benefits for many new medicines.  
CA HE

**Risque d'érosion éolienne : Manitoba**

par D.R. Coote, R.G. Eilers et M.N. Langman. Ottawa : Agriculture Canada, Direction générale de la recherche, Centre de recherches sur les terres, 1989. 16 p. : carte géogr. Bibliogr. (Centre de recherches sur les terres contribution ; no 87-10) *Bilingue (Wind erosion risk...)*. Carte géogr. pliante non filmée. ISBN 0-662-56330-1  
MICROLOG 90-03442 1 fiche

La dégradation des sols est devenue une préoccupation majeure au Canada. L'un des processus de cette dégradation, l'érosion des sols, est une source d'inquiétude. La carte inclue dans ce document a été dressée dans le but de fournir des informations sur les risques d'érosion du sol par le vent. Les renseignements qu'il contient servent à : évaluer les risques d'érosion éolienne imputables aux caractéristiques naturelles; évaluer les probabilités d'exposition du sol au vent en raison des pratiques culturales et évaluer la protection apportée par les cultures ou leurs résidus; identifier les régions d'une province où des mesures de conservation des sols doivent

être prises; mettre les résultats des recherches, qui ont fait leurs preuves dans une région, en pratique dans d'autres régions possédant les mêmes caractéristiques; établir un lien entre les informations sur le sol et le terrain; et mettre ces connaissances à la disposition des étudiants postsecondaires.  
• AG CA MS SC

**Risque d'érosion hydrique : Manitoba**

par R.G. Eilers, M.N. Langman et D.R. Coote. Ottawa : Agriculture Canada, Direction générale de la recherche, Centre de recherches sur les terres, 1989. 13 p. : carte géogr. Bibliogr. (Centre de recherches sur les terres contribution ; no 87-12) *Bilingue (Water erosion risk...)*. Carte géogr. pliante non filmée. ISBN 0-662-56376-X  
MICROLOG 90-03444 1 fiche

Le Centre de recherches sur les terres de la Direction générale de la recherche d'Agriculture Canada a préparé une série de cartes des Pédopaysages du Canada. Pour chaque polygone de la carte, on trouve une base de données informatisée qui contient les caractéristiques du sol dominant et du sol sous-dominant principal ainsi que le paysage de chaque polygone. On a ajouté à cette base de données l'information nécessaire pour évaluer les risques de dégradation du sol relevés sur les cartes des pédopaysages, y compris les données sur les facteurs d'érosion hydrique. Les données ont été interprétées de façon à permettre d'évaluer les risques d'érosion hydrique dans les cas où les pratiques culturales ne fournissent pas la protection appropriée.  
• AG CA MS SC

**River Road Environmental Technology Centre : Annual report 1987-88**

Ottawa : The Centre, 1988. ii, 79 p. Bibliogr. CSI 22325.001.  
MICROLOG 90-03040 1 fiche

Annual report of the Centre, located in Gloucester, Ontario. The Centre is one of 2 such centres and is concerned mainly with technologies to measure and control air pollutants and spills of hazardous materials. Highlights of the year's activities are given for the divisions of pollution measurement, environmental emergencies technology, and analytical services, as well as the vehicle emissions testing laboratory. Project results are given in more detail by division. A list of reports and papers, and of employees, is also included.  
• CA EV SC

**Rivers Inlet echo sounding program, 1989 : summary report**

by I. Winther. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, Fisheries Branch, 1990. iii, 17 p. : ill. (Canadian data report of fisheries and aquatic sciences ; no. 795) ISSN 0706-6465  
MICROLOG 90-07170 1 fiche

Rivers Inlet is located in Statistical Area 9 in the Central Coast area of B.C. and has the largest returning sockeye stock in the Central Coast. The Rivers Inlet echosounding program was conducted from July 11-27, 1989. This report summarizes the field data collected.  
• BC CA CF FI SC

**Le Riz sauvage au Canada**

par S.G. Aiken...et al. Ottawa : Agriculture Canada, 1989. 142 p. : ill. Bibliogr. *L'éd. anglaise (Wild rice...)* : 90-04032/2. ISBN 0-660-92525-7  
MICROLOG 90-03214 2 fiche

Le riz sauvage est une graminée aquatique annuelle qui pousse dans les lacs et les cours d'eau peu profonds dans l'est et le centre-nord de l'Amérique du Nord. Ce document porte sur la plante; la taxonomie (genre, espèces,



variétés); l'habitat du riz sauvage; l'exploitation des peuplements naturels; les maladies et ravageurs; la récolte et le conditionnement du grain; et, l'industrie du riz sauvage.  
AG CA SC

#### The Road ahead for health promotion and disease prevention

by M. Terris. S.I. : Canadian Intergovernmental Conference Secretariat, 1989. 16, 23 p.  
Bibliogr. *Bilingual (La Voie de la promotion de la santé...)*. Presented to the National Symposium on Health Promotion and Disease Prevention.  
MICROLOG 90-00134 1 fiche

This paper identifies the most serious defect of current public health policy in both Canada and all other countries of the world as the assumption that creating a national medical care system is equivalent to establishing a national health program. Examples of differences in mortality rates in areas of Britain since the establishment of the National Health Service are given, as well as in Canada. The determinants of health are identified as the standard of living, prevention, and medical care and of these three, medical care is the least important element. These 3 factors are discussed both generally and in relation to the Canadian delivery of health care.  
● CA CI HE

#### Road and structure protection through weight control : economic and engineering issues

by S.C.J. Radbone, W.A. Phang and R.A. Bibliogr. Toronto : Ministry of Transportation and Communications, 1986. iii, 22 p. : ill.  
MICROLOG 90-01608 1 fiche

To ensure that vehicles and roads are compatible with each other and to attempt to keep the overall private and public expenditures on the total system to a minimum, it is necessary to establish design and maintenance standards for roads and limits on the weights and dimensions of trucks. A balance must be achieved between the limits that truckers may desire and the resultant highway costs that can be afforded. Since pavement damage increases rapidly with increasing axle loading, heavy trucks tend to cause the most pavement damage. Therefore, heavy trucks should bear more of the cost of providing the highway system than other users. This paper considers vehicle operating costs and road construction and maintenance costs, then suggests such user-pay methods as tonne-kilometre taxes, weight-distance tax, and flat rate and fuel taxes.  
ON PR PS SC TR

#### Roberts Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 24 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 486)  
MICROLOG 90-01091 1 fiche

Geological data inventory for Roberts Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical surveys, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

#### The Roblin Planning District development plan

Manitoba. Municipal Planning Branch. Dauphin, Man. : The Branch, 1987. 67 p. maps, fold. maps.  
MICROLOG 90-04947 2 fiche

The Roblin Planning District was established in November of 1983 and expanded in February

1986. It includes the Councils of Roblin, the rural municipality of Shell River, and the local government district of Park. This development plan is based on the findings, conclusions and recommendations derived from a series of background studies of the current and projected land use situations in the District, engineering studies in the urban area of the Town of Roblin and results of consultation with provincial, local officials and the public. The document sets out the general directives and policies, and more detailed policies for the settlement centres, agriculture/rural areas, the Lake of the Prairies and surrounding area, natural resources, aggregate resources, heritage resources, and transportation. A general implementation plan is also given.  
MS MU PL PR SC

#### Robot Navigation Workshop at IJCAI-89

by S.B. Nickerson. Toronto : Ontario Hydro, Research Division, 1989. 23 p. (Report ; no. 89-263-K)  
MICROLOG 90-04001 1 fiche

Report of a panel on robot navigation and the ensuing discussion. The panel discussed aspects of the robot's environment that need to be modeled internally by the robot, the type of sensory input appropriate/vital for navigation in natural terrains, fusion or diffusion of different sensor modalities, the amount of execution monitoring to be explained, and whether general purpose route planning is any easier a target than general purpose planning.  
ON PR PS SC

#### Robotic inspection of prototype titanium diffusion bond final closure weld : final report

by R.J. Piercy, J.R. Antonacci and M.D.C. Moles. Toronto : Ontario Hydro, Research Division, 1989. 22 p. : ill. Bibliogr. (Report ; no. 89-247-K)  
MICROLOG 90-03535 1 fiche

Description of the ultrasonic inspection of a prototype titanium diffusion bond for a nuclear used fuel container. A commercial industrial robot was used for the delivery system, controlled by a personal computer. The robot maps the container, then scans the container for defects.  
EN ON PR PS SC

#### Le Roche Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 558)  
Fold. maps not filmed.  
MICROLOG 90-04568 1 fiche

Geological data inventory for Le Roche Township, including a checklist of data sources, type of exploration work, topographical maps available, results of an OGS/ODM general index search, and selected references.  
NR ON PR SC

#### Rock grenadier

by L.N. Pechenik and F.M. Troyanovskii. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 6 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5387) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-01550 1 fiche

Two species of macrurids turn up as incidental catch in commercial perch and cod fishing, the roughhead grenadier and the rock grenadier. The roughhead grenadier forms commercial stocks at shelf depth, but currently commercial fishing remains unorganized. The rock grenadier inhabits the northern Atlantic along the slope of the continental shelf. This paper

describes the habitat and habits of the rock grenadier as it relates to commercial fishing.  
● CA CF FI SC

#### Rock Lake stabilization : soil bioengineering research project, phase 1 : Hwy. no. 60, Rock Lake, Algonquin Park

Harrington and Hoyle Ltd., Soil Bioengineering Corporation. Toronto : Ministry of Transportation, Research and Development Branch, 1988. ii, 49 p. : ill.  
MICROLOG 90-05583 1 fiche

Investigation into the application of soil bioengineering/biotechnical construction techniques for slope stabilization and revegetation. The objectives of the study were to learn some of the techniques and processes used in soil bioengineering installation and their associated costs, to evaluate the effectiveness of soil bioengineering in slope stabilization in Ontario; and to identify and document effective techniques and materials. The site selected is a cut slope on Highway 60 within Algonquin Park. The report reviews the original site conditions, problems encountered and the results of the project.  
ON PR SC TR

#### Rock Lake stabilization : soil bioengineering research project, phase 2 : Hwy. no. 60, Rock Lake, Algonquin Park

Harrington and Hoyle Ltd., Soil Bioengineering Corporation. Toronto : Ministry of Transportation, Research and Development Branch, 1988. 20 p. : ill.  
MICROLOG 90-05584 1 fiche

Report to document the process of the site stabilization following the soil bioengineering installation in the spring of 1986 at Rock Lake. This review was to include monitoring soil stability, growth of the installed material (rooted and unrooted) and the colonization of the soil surface by other plant species. As the review proceeded, it became apparent that many of the soil bioengineering structures which were alive the previous year were now dead or dying. In an effort to discover the cause, some additional investigation was begun into soil condition and the presence of insect or disease infestations. This report documents the progress of the site stabilization, summarizes the findings of these investigations and recommends further action.  
ON PR SC TR

#### Rocket immunoelectrophoresis to assay type D staphylococcal enterotoxin

by R.B. Naubet'yarov, M.L. Beilbayeva and Y.V. Yezepchuk. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 5 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5486) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-01682 1 fiche

The problem of quick and reliable interpretation of food poisoning caused by enterotoxigenic strains of staphylococci is still a pressing one. Since the nature of the disease in many cases depends not so much on the pathogenic type contributing to the infectious process as on the type of toxin produced by it, present-day diagnosis of infectious diseases should be based on identification of not only the causative agent, but also the type of toxin produced. Immunoserological methods based on the antigen-antibody reaction are being used extensively to solve these problems. This study obtained type D monospecific staphylococcal antienterotoxin serum and used it to detect D enterotoxin by means of rocket immunoelectrophoresis.  
● CA CF FI LS SC



**Rocky Mountain national parks utilization study : British Columbia : summary report**

Ruston-Tomany & Associates, Ltd.. Ottawa : Industry, Science and Technology Canada ; Victoria : Ministry of Regional Development ; Ministry of Tourism and Provincial Secretary, 1989. 44 p. : ill. ISBN 0-7726-0982-9  
MICROLOG 90-03821 1 fiche

This document presents information on annual and seasonal entrants and visitors to Yoho and Kootenay National Parks; annual entrants and visitors to Yoho and Kootenay National Parks by park; exclusive visitors; profile of visitor parties; party size and composition, place of residence; mode of entry to the Rocky Mountain National Parks; destination and main purpose of entire trip; impact of the 1988 Olympics on decision to visit the Rocky Mountain National Parks; use of parks services; length of visit; annual expenditure; incidence of expenditure in specific categories; and distribution of expenditures by categories  
BC CU PR

**Rocky-North Saskatchewan Integrated Resource Plan : Annual review 1986-87**

Edmonton : Alberta Forestry, Lands and Wildlife, 1988. i, 26 p. CS/ 34126.003. ISBN 0-86499-561-X  
MICROLOG 90-03751 1 fiche

Summarizes progress to date on the implementation of the Plan. It identifies completed projects, as well as those which have not been completed (and why) and provides some direction for the next year.  
MS NR PR SC

**Rocky-North Saskatchewan Sub-Regional Integrated Resource Plan : Annual report 1989-90**

Edmonton : Alberta Forestry, Lands and Wildlife, 1990. iv, 13 p. CS/ 34126.003. ISBN 0-86499-728-0  
MICROLOG 90-07228 1 fiche

Third annual report summarizing progress to date on implementation of the resource plan. The report identifies projects undertaken or to be undertaken in the areas of watersheds, surface materials, timber, wildlife, fisheries, recreation, forage, agriculture, ecological and historical resources, tourism, access, and land use administration. Information is given on management intent, results expected, results achieved and anticipated activities for the coming year for each project. Geographic locations of activities in the planning area are given by resource management areas.  
AL EV MS NR PR SC

**Rodent and deer control in orchards -- Rev.**

by K.W. Ker and K. Wilson. Toronto : Ministry of Agriculture and Food, 1989. 4 p. : ill. (Factsheet) ISSN 0225-7882  
MICROLOG 90-01819 1 fiche

Every year voles (mice), groundhogs, rabbits and deer cause significant economic injury to orchards throughout Ontario. Control of these nuisance animals is difficult and requires a long-term control strategy to be effective. This factsheet describes the damage done by each animal and the methods which can be used to discourage them.  
AG ON PR SC

**The Role and limitations of metro government in positive urban planning : a dialogue**

with Peter Self. Vancouver, B.C. : University of British Columbia, Centre for Human Settlements, 1987. 49 p. : maps. (Occasional papers ; 42) ISSN 0706-2559

MICROLOG 90-01590 1 fiche (Available on fiche only)

Focuses on regional or metropolitan planning and discusses the case for that kind of planning and what has happened to it. It also discusses examples of apparently successful urban regional planning, questions of structure and organization, planning today, and politics.  
• BC CA MU PL

**Role and mandate of Toronto Harbourfront Corporation policy review : preliminary report**

Canada. Public Works Canada. Ottawa : The Dept., 1987. ii, 83 p. : ill., maps.  
MICROLOG 90-00393 2 fiche

This preliminary report analyzes the policy framework within which Harbourfront Corporation operates. It also describes the current mandate, role and status of the Corporation, and aids public consideration and discussion of Harbourfront issues and possible future directions.  
CA MU ON PL

**Rôle des aéroplaneurs dans l'extinction aérienne des incendies de forêt**

par W.G. Murray. Chalk River, Ont. : Service canadien des forêts, Institut forestier national de Petawawa, 1989. v, 27 p. (Rapport d'information ; PI-X-82F) ISSN 0228-0736  
MICROLOG 90-00255 1 fiche

On a interviewé un certain nombre de responsables des opérations aériennes et d'aéroplaneurs d'organismes canadiens de protection contre les incendies de forêt en vue de déterminer les méthodes opérationnelles employées et le rôle de l'aéroplaneur dans l'extinction aérienne des incendies de forêt. Dans l'analyse présentée dans ce rapport, on se penche sur l'aéronef d'aéroplaneur, les communications, les méthodes opérationnelles et les qualités requises pour un emploi d'aéroplaneur.  
• CA FO SC

**Rôle des conseils de l'environnement en relation tout spécialement avec le Conseil consultatif canadien de l'environnement**

par P.M. Bird. Ottawa : Conseil consultatif canadien de l'environnement, 1989. v, 30 p. Bibliogr. L'éd. anglaise (On the role...) sur la même fiche. ISBN 0-662-95501-3  
MICROLOG 90-03089 1 fiche

Ce document passe en revue certaines études et observations qui ont été faites au sujet des diverses catégories de conseils et de leurs caractéristiques. Il donne l'historique du Conseil; les pressions externes en vue d'une réforme du Conseil; les trois types de conseils de l'environnement; la structure, les relations et fonctions des conseils gouvernementaux et des organismes consultatifs; les autres processus et mécanismes de présentation d'avis au Ministre et au public sur les questions de l'environnement; et, l'évaluation globale et les conclusions.  
CA EV SC

**The Role of a small agricultural watershed to address soil and water concerns**

by W. Nicholaichuk, B. McConkey and H. Steppuhn. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 4 p. Bibliogr. (NHRI contribution ; no. 88023) Prepared for the 17th Canadian Hydrology Symposium. ISSN 0838-1992  
MICROLOG 90-06475 1 fiche

Since 1947, the Swift Current research station has operated a small agricultural research basin at Swift Current and Davin to provide information on a number of different issues

from an agricultural viewpoint. This paper describes the research and the results.  
AG CA EV MS SC

**The Role of C-CORE in Canadian cold oceans resources development**

by J. Clark. St. John's : Centre for Cold Oceans Resources Engineering, 1989. 6 p. Presented at the Managing Transition on the Canadian Petroleum Frontiers Workshop. MICROLOG 90-00377 1 fiche (Available on fiche only)

Paper presenting the establishment and development of C-CORE, from 1975 to the present. The paper includes the mandate of the Centre, research programs, and objectives.  
• AP CA PS SC

**The Role of environmental assessment in promoting sustainable development : three views**

by J.E. Gardner, W.E. Rees and P. Boothroyd. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1988. 49 p. Bibliogr. (Discussion paper ; no. 13) ISSN 0828-2439  
MICROLOG 90-05485 1 fiche (Available on fiche only)

Three views on environmental assessment as a means of promoting sustainable development. The first paper identifies 9 approaches to decision-making for environmental assessment, planning and management to determine their support for principles of sustainable development. The second paper explores some of the conceptual and practical ways that environmental assessment-related activities might contribute to implementation of truly sustainable development. The final paper discusses ways to improve the role environmental assessment plays in supporting fair, sustainable development.  
BC EV PR SC

**Role of gas chromatographic retention index in compound identification system of mass spectra**

by K. Masumoto and T. Yamamoto. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 34 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5327) Originally published in Japanese, by the Osaka City Institute of Public Health and Environmental Studies at Osaka, in Japan. ISSN 0704-3716  
MICROLOG 90-02100 1 fiche

In the analysis of chemical substances in the environment, bulk analysis of multi-component chemical substances contained in samples are effectively analyzed using gas chromatographic mass spectrometry (GC/MS). This paper reports on the development of a data base of high quality containing GC data, as well as a GC/MS data search system suited to environmental analysis and applied to actual environmental samples.  
• CA CF EV SC

**Role of ice properties in wave-ice interaction during LIMEX, 1987**

by W.D. Winsor...et al. St. John's : Centre for Cold Oceans Resources Engineering, 1989. 5 p. : ill. Bibliogr. Presented at the 12th Canadian Symposium on Remote Sensing, IGARSS '89. MICROLOG 90-00376 1 fiche (Available on fiche only)

The Labrador ice margin experiment (LIMEX) was initiated as a pilot program in March 1987. An interdisciplinary group of research organizations gathered data from the marginal ice zone (MIZ) and in the open water adjacent to the ice edge. This paper presents results of the 1987 pilot program. The ocean data gathering program spectral ocean wave model was used to hindcast wind and wave fields for



the duration of the experiment. In addition, the C-CORE/MUN ice motion package (6 degrees of freedom) was placed on several ice floes to measure the wave induced ice motion at different locations along the MIZ. Analysis of the motion package records furnished time series plots of wave parameters as well as wave spectra within the ice cover. Interpretation of the aerial photographs provided measurements for floe size distribution, floe density and ice concentration.  
● AP CA NR PS SC

### The Role of local government in liquor licensing

Cumora Group. Victoria : Ministry of Labour and Consumer Services, Liquor Control and Licensing Branch, 1990. 27 p.  
MICROLOG 90-04418 1 fiche

Presents information on the new procedures required and the new administrative bodies in place to administer liquor licensing of hotels, clubs, cabarets, stadiums, retail stores, and neighbourhood and marine pubs.  
BC JU PA PR

### Rôles propres de l'homme et de la machine : une mise au point

par E. Macklovitch. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1988. 3 p. *En Circuit: numéro 19, 1987. L'éd. anglaise (The Proper place of man...) sur la même fiche.* ISBN 0-662-95070-4  
MICROLOG 90-05460 1 fiche

Dans un article publié en 1980 et intitulé The Proper Place of Man and Machines in Language Translation, Martin Kay, linguiste informaticien, soulève la controverse au sujet de la traduction automatique. Selon lui, la traduction entièrement automatique a peu de solutions pratiques à offrir pour venir en aide aux professionnels de la traduction devant la demande grandissante à laquelle ils doivent faire face. Ce document se penche sur la question et soulève plusieurs points d'intérêt.  
CA PS SC

### Rondeau Provincial Park preliminary management plan

Toronto : Ministry of Natural Resources, 1989. iii, 64 p. : maps. ISBN 0-7729-0544-4  
MICROLOG 90-00964 1 fiche (Available on fiche only)

Presents information on park policies, resource management, operation policies, development principles, and an implementation schedule. It also includes a summary of the planning program.  
CU ON PR

### Roots versus shoots in nutrient uptake by aquatic macrophytes in flowing waters

by P.A. Chambers...et al. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 7 p. Bibliogr. (NHRI contribution ; no. 89023) *In Canadian Journal of Fisheries and Aquatic Sciences: vol. 46, no. 3, 1989.* ISSN 0838-1992  
MICROLOG 90-06481 1 fiche

The role of sediments vs. open water in supplying nutrients to aquatic macrophytes has long been debated, particularly in the management of aquatic weeds and the control of lake eutrophication. This study determined the role of roots vs. shoots in nutrient uptake by aquatic angiosperms in flowing waters. A transplant experiment was conducted in the South Saskatchewan River. *Potamogeton crispus* L. was grown in pails containing natural sediments with different levels of nitrogen and phosphorus, at two sites with very different concentrations of nitrogen and phosphorus in the open water. The effects of variations in sediment to water phosphorus and

nitrogen ratios were examined in relation to plant growth and nutrient uptake.  
CA LS MS NR SC

### The Ross site (DIPd-3) 1980 research

by J. Roderick Vickers ; with appendices by Lynda Gullason and Jonathan C. Driver. Edmonton : Alberta Culture and Multiculturalism, 1989. xviii, 158 p. : ill. Bibliogr. (Manuscript series ; no. 14)  
MICROLOG 90-02284 2 fiche

The Ross site is a multicomponent, buried campsite located within a low terrace on the south side of the Oldman River, about 15 km northeast of Coaldale in southern Alberta. Cultural material is revealed intermittently along 205 m of the outbank and indicates that as many as 6 occupations are present, all of which are assigned to the Old Women's Phase of the Late Prehistoric Period. Erosion of the site terrace edge has been extensive. In order to determine if sufficient cultural deposits remained intact to warrant site designation as a provincial historical resource, a test excavation program was undertaken in 1980. This report presents the results of that investigation.  
AL CU PR

### The Rosssburn Planning District : background study

Dauphin, Man. : Municipal Planning Branch, 1990. v, 91 p. : ill., maps. *Fold. maps not filmed.*  
MICROLOG 90-05057 2 fiche

The local citizens and the councils of the Village of Rosssburn and the Rural Municipality of Rosssburn made the decision to accept responsibility for their local land resources, and joined to form the Rosssburn Planning District. A district planning board initiated preparation of a development plan, the first stage of which is this background study. This report is a compilation of background data, indicating the district's assets, liabilities, problems and trends. The study briefly outlines the local history of the Village of Rosssburn and the rural municipality; relates population characteristics and identifies socio-economic factors; examines the economic conditions of the District, including trading areas and consumer patterns and habits; delineates and assesses the existing land uses; and provides a financial profile of the Rosssburn Planning District, revealing its current debts and commitments.  
MS PL PR SC

### Rotary cuttings : reliable samples of subsurface till to minimal depth of 500 feet

by W.C. Ross. Saskatoon, Sask. : Saskatchewan Research Council, 1986. ii, 15 p. : ill. (SRC technical report ; no. 224) (SRC publication ; no. R-842-3-B-86)  
MICROLOG 90-03982 1 fiche

Report comparing rotary cuttings to sidewall cores using carbonate analyses and carbonate profile plots. The procedure for the recovery of rotary cuttings is also described.  
MS NR PR PS SC

### Les Rouages de l'impôt, 1987

Ottawa : Revenu Canada, Impôt, 1988. 100 p. : ill. *L'éd. anglaise (Inside taxation, 1987) : 90-02047/2.* CSI 22173.003F. ISBN 0-662-95201-4  
MICROLOG 90-02046 2 fiche

Cette publication décrit sommairement la politique du Ministère et la législation fiscale qui en est le fondement, les méthodes d'établissement des cotisations et de recouvrement, les responsabilités des contribuables en vertu de la législation et les services qui leur sont offerts. Le document tient aussi lieu de registre des activités du Ministère pour l'année civile 1987 et l'exercice

1986-1987 et des données statistiques de 1985.  
● CA CO PA

### Rout and seal cracks in flexible pavement : a cost-effective preventive maintenance procedure

by G.J. Chong. Downsview, Ont. : Ministry of Transportation, Research and Development Branch, 1989. iii, 26 p. : ill. Bibliogr.  
MICROLOG 90-00128 1 fiche

A comprehensive study on the feasibility of a rout and seal treatment of cracks in flexible pavement as a preventative maintenance measure was instituted in 1986. The study established the cost-effectiveness of this procedure based on the successful treatment of the distress, the resultant extension of pavement service life, and the optimum timing for application of this treatment to achieve maximum cost benefit. Monitoring of the treatment performance and pavement condition was completed for a period covering 3 winters. This report presents the results of that monitoring.  
ON PR PS SC TR

### Routes provinciales : projets de construction, 1990-91

Downsview, Ont. : Ministère des transports ; Ministère du développement du Nord et des mines, 1990. 77 p. : ill., cartes géogr. *L'éd. anglaise (Provincial highways : construction...) sur la même fiche. Inclut: Transports dans le nord de l'Ontario : projets de construction, 1990-91 (38 p.).* CSI 55120.004. ISSN 0714-1149  
MICROLOG 90-05142 3 fiche

Ce document présente les projets de construction des routes provinciales du ministère des Transports pour 1990-1991. Il énumère les projets lancés cette année et ceux qui sont repris des années précédentes. Il se penche particulièrement sur les réalisations importantes et les projets de construction, par région du Sud-Ouest, du Centre et de l'Est.  
ON PR SC TR

### Royal Canadian Mounted Police. 'J' Division (N.B.) : Annual report 1988

Fredericton : The Division, 1989. iii, 21, 21 p. *Bilingual.* CSI 46139.001.  
MICROLOG 90-00742 1 fiche

This annual report includes an organizational overview, a divisional personnel breakdown, and statistical comparisons of actual offenses. It also includes an overview of criminal operations, support services, division administration, and financial services and supply.  
AP CA JU ST

### Royal Canadian Mounted Police. 'J' Division (N.B.) : Annual report 1989

Fredericton : The Division, 1990. iii, 21, iii, 23 p. *Bilingual.* CSI 46139.001.  
MICROLOG 90-06066 1 fiche

This annual report gives an organization overview of 'J' Division. There is a divisional personnel breakdown, a definition of division sub/division boundaries and an overview of criminal operations. Support services such as the general investigation sections, the polygraph section, the police dog service, air services, provincial commercial crime, the underwater recovery team and tactical troops are reviewed. The document also covers division administration and financial services and supply.  
AP CA JU ST

### Royal Canadian Mounted Police. 'L' Division (P.E.I.) : Annual report 1989

Charlottetown : The Division, 1990. 27 p. : ill. *CSI 62124.001.*  
MICROLOG 90-05528 1 fiche

The RCMP has a mandate to maintain peace, order and security, to pursue crime prevention and law enforcement in accordance with



contracts with the Province and all the municipalities it serves. The annual report reviews activities of the Criminal Operations Branch which include forensic identification services, community policing section, criminal operations/support services, security systems section, special "I" section, Federal enforcement section, drug section, communications centre, commercial crime section, police dog services, traffic supervisor and drug awareness section. Financial and supply management, administration and personnel and informatics, provincial policing, municipal policing, traffic services, aboriginal policing, federal policing, recruiting, training, auxiliary policing program, the future and a comparative statistics chart is also included in this annual report.  
AP CA JU ST

**Royal Canadian Mounted Police.  
External Review Committee : Annual  
report 1989-90**

Ottawa : The Committee, 1990. 39, 41 p.  
*Bilingual. CSI 22279.004. ISBN*  
0-662-57523-7  
MICROLOG 90-06611 1 fiche

This annual report discusses some of the activities and accomplishments of the Committee during the year ending March 31, 1990. Caseload and cases, jurisdiction, delays, research programs, administration, streamlined grievance records, the right to establish a union in the RCMP, consultation procedure with the Provinces, legislation, and the Seminar on Police Human Resource Management. Acts and regulations are also cited in this annual report.  
CA JU

**Royal Canadian Mounted Police.  
Forensic Laboratory Services :  
Annual review 1988**

Ottawa : The Services, 1989. 72, 72 p. : ill.  
*Bibliogr. Bilingual. CSI 22279.003. ISSN*  
0840-5514 ISBN 0-662-57117-7  
MICROLOG 90-02583 2 fiche

Annual review of the laboratory services, describing the activities of the regional laboratories in Vancouver, Edmonton, Regina, Winnipeg, Montreal, Sackville, and Halifax as well as the central laboratory in Ottawa. The year's highlights are given, with information on staffing, training, and science and technology. Membership in professional associations, conference attendance, committee involvement, papers published, and employment considerations are also included.  
• CA JU

**Royal Canadian Mounted Police.  
Public Complaints Commission :  
Annual report 1989-90**

Ottawa : The Commission, 1990. xvii, 114, xvii, 120 p. : ill. *Bilingual. CSI 22333.001. ISBN*  
0-662-57337-4  
MICROLOG 90-05722 3 fiche

This document describes the mandate and organization of the Commission. It describes the type, distribution and volume of the complaints and also those complaints referred to the Commission for review. It addresses the need for reform in the complaints process and also looks at policy development for the future.  
CA JU ST

**Royal Commission on the Donald  
Marshall, Jr., Prosecution : digest of  
findings and recommendations**

Halifax : The Royal Commission, 1989. 41 p.  
MICROLOG 90-02886 1 fiche

The purpose of this Digest is to provide an easily accessible summary of the Commissioner's findings and the thrust of the recommendations.  
AP CI JU NP PR SA

**Royal Commission on the Donald  
Marshall, Jr., Prosecution :  
Government of Nova Scotia response  
to the recommendations of the Royal  
Commission on the Donald Marshall,  
Jr., Prosecution**

Halifax : The Royal Commission, 1990. 58 p.  
MICROLOG 90-02912 1 fiche

Contains the Commission's 82 recommendations and the government's response for each. It also includes an announcement of further initiatives to improve the justice system for all Nova Scotians and for visible minorities in particular.  
AP CI JU NP PR SA

**Royal Commission on the Donald  
Marshall, Jr., Prosecution, vol. 1 :  
findings and recommendations**

Halifax : The Royal Commission, 1989. xiv, 413 p. ISBN 0-88871-109-3  
MICROLOG 90-02822 5 fiche

This document reviews the incident, the police response, the trial process, the 1971 RCMP review, the 1974 and 1975 reviews, the 1982 reinvestigation, the years in prison, and the reference decision. It also includes recommendations for dealing with the wrongfully convicted.  
AP CI JU NP PR SA

**Royal Commission on the Donald  
Marshall, Jr., Prosecution, vol. 2 :  
public policing in Nova Scotia**

prepared for the Royal Commission on the Donald Marshall, Jr., Prosecution ; by Richard Apostle and Philip Stenning. Halifax : The Royal Commission, 1988. xv, 280 p. *Bibliogr. ISBN* 0-88871-111-5  
MICROLOG 90-02823 4 fiche

This study provides an overview of public policing in the province. It describes the organizational structure of policing, and analyzes the various governmental agencies most directly concerned with policing. It discusses each unit in terms of the legal principles which govern its activities, and its actual practices. It also discusses public complaints against the police and intervention in individual cases. In addition, it considers the recruitment and training policies and practices of municipal police departments and the RCMP, and examines investigative work and describes the distribution of serious crime and of investigative personnel. Finally, it uses national and provincial data to examine police/minority relations, and provides a set of recommendations and suggestions for future research.  
AP CI JU NP PR SA

**Royal Commission on the Donald  
Marshall, Jr., Prosecution, vol. 3 :  
the Mi'kmaq and criminal justice in  
Nova Scotia : research study**

prepared for the Royal Commission on the Donald Marshall, Jr., Prosecution ; by Scott Clark. Halifax : The Royal Commission, 1989. xiv, 109 p. *Bibliogr. ISBN* 0-88871-113-1  
MICROLOG 90-02810 2 fiche

The report examines the range of possibilities for the development of community-based or tribal courts, community-based policing, community-based Native Court Worker programs, diversion, fine option and alternative measures programs, and Native Justices of the Peace. It examines prior and ongoing examples from other parts of the country. It also includes findings and recommendations.  
AP CI JU NP PR SA

**Royal Commission on the Donald  
Marshall, Jr., Prosecution, vol. 4 :  
discrimination against blacks in Nova  
Scotia : the criminal justice system**

by W. Head and D. Clairmont. Halifax : The

Royal Commission, 1989. vi, 192 p. *Bibliogr. ISBN* 0-88871-115-8  
MICROLOG 90-02809 3 fiche

This study has as its chief objective a systematic description and analysis of the attitudes, experiences and suggestions of Blacks, especially with respect to the police, courts and the correctional system. Attention is also given to historical and contextual considerations including the history of the Black experience in Nova Scotia, current demographic and socio-economic patterns and the comparative views and experiences of the majority White population.  
AP CI JU PR SA

**Royal Commission on the Donald  
Marshall, Jr., Prosecution, vol. 5 :  
walking the tightrope of justice : an  
examination of the Office of the  
Attorney General : a series of  
opinion papers**

prepared for Royal Commission on the Donald Marshall, Jr., Prosecution ; by John L.J. Edwards. Halifax : The Royal Commission, 1989. x, 192 p. ISBN 0-88871-117-4  
MICROLOG 90-02808 3 fiche

Contains a series of opinions which represent endeavours to assist the Commission of Inquiry in identifying the major points of weakness in the prevailing constitutional systems relating to the investigation and prosecution of crime.  
AP CI JU NP PR SA

**Royal Commission on the Donald  
Marshall, Jr., Prosecution, vol. 6 :  
prosecuting officers and the  
administration of criminal justice in  
Nova Scotia : a study paper**

by B.P. Archibald. Halifax : The Royal Commission, 1989. xi, 217 p. ISBN 0-88871-119-0  
MICROLOG 90-02896 3 fiche

This study examines the structure and administration of Nova Scotia's prosecution service, and the manner in which prosecutorial discretion is exercised within the province. It examines one division of the province's 'public law firm' and after identifying its weaknesses proposes methods by which it might be improved.  
AP CI JU NP PR SA

**Royal Commission on the Donald  
Marshall, Jr., Prosecution, vol. 7 :  
consultative conference on  
discrimination against Natives and  
Blacks in the criminal justice system  
and the role of the Attorney  
General : proceedings**

Consultative Conference (1988 : Halifax, N.S.). Halifax : The Royal Commission, 1988. xvii, 125 p. ISBN 0-88871-21-2  
MICROLOG 90-02895 2 fiche

The conference brought together invited local and national experts on discrimination against Natives and Blacks in the criminal justice system, and the role of the Attorney General. The purpose of the sessions was to allow the invited participants to give the Commissioners their views on identification of the major problems in these areas, as well as recommendations for change. This document is an edited transcript of those proceedings.  
AP CI JU NP PR SA

**RS-1 regulations review : critique of  
proposals, with emphasis on housing  
retention and renovations : final  
report**

by P.B. Ohannesian. Vancouver, B.C. : Vancouver Planning Dept., 1987. 20 p. : ill.  
MICROLOG 90-03989 1 fiche

This report supplements and critiques the proposals for RS-1 Zoning Bylaw. It considers



the potential effect of such revisions upon Vancouver's existing housing stock, specifically as to: how the objectives of ensuring housing and land use flexibility are affected, possible impact of the proposals, and suggestions for further revisions to the RS-1 Bylaw to ensure a high-quality residential environment.  
BC MU PL

#### RS-1 regulations review : large lots : final draft copy

James K.M. Cheng Architects. Vancouver, B.C. : Vancouver Planning Dept., 1987. 21 p. MICROLOG 90-03990 1 fiche

This report reviews physical aspects of single-family lots having a frontage of 50 feet and more with an overlap of 40 foot lots.  
BC MU PL

#### RS-1 regulations small lot review, City of Vancouver, B.C.

Hulbert Group B.C. Ltd. Vancouver, B.C. : Vancouver Planning Dept., 1988. 42 p. : ill. MICROLOG 90-03991 1 fiche

In early July of 1987, the City of Vancouver Planning Department conducted a review of RS-1 Zoning Regulations. This document discusses the following objectives of this review: improve neighbourliness; improve the fit of new houses; make new houses more compatible; provide flexibility; enhance renovation and retention of existing stock; develop efficient regulations to implement.  
BC MU PL

#### RS-Feeds : fish silage and silage concentrates

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 41 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5349) *Originally published in Norwegian, by Royal Seafood gruppen, at Trondheim, Norway.* ISSN 0704-3716  
MICROLOG 90-01466 1 fiche

Description of the companies and products of RS-Feeds, a high quality feed for farmed fish. The paper covers the requirements of fish for feed and feeding, convertible energy and distribution of nutrients, energy received from protein, fat, and carbohydrates, vitamins and minerals included, signs of vitamin deficiency, correct feed composition, feed mixtures, and how to use the feed.  
● CA CF FI SC

#### Rural depopulation and the Saskatchewan economy

submitted to the Review of Demography and its Implications for Economic and Social Policy. Health and Welfare Canada. Ottawa : Health and Welfare Canada, 1988. vii, 195 p. : ill. MICROLOG 90-01566 3 fiche

This document analyzes changes in the rural elderly population and their effects on the small town economy focusing on the case of Saskatchewan, 1971-1986. It also studies the town of Hafford and rural municipality of Redberry, including a survey of ex-residents of these two areas.  
CO MS PR

#### Rural residential development in the Winnipeg region

Manitoba. Technical Advisory Committee on Large Lot Unserved Residential Development in Urban Fringe Areas. Winnipeg : Dept. of Urban Affairs, 1990. v, 100 p. : maps. Bibliogr.  
MICROLOG 90-07165 2 fiche

In October 1987 the government received a plan amendment to redesignate lands in South St. Boniface from a rural policy area to a large lot residential policy area. After discussions at the provincial level, a technical advisory committee was established to examine

the issue of rural residential development in the Winnipeg region. This report determined the nature of rural residential activity in Winnipeg and the adjacent rural municipalities; identified the problems associated with this activity, and suggested new directions in addressing the problems.  
MS MU PL PR SC

#### RVAN : research vessel analysis programs

edited by Douglas Clay. Moncton, N.B. : Dept. of Fisheries and Oceans, Gulf Fisheries Center, Marine and Anadromous Fish Division, 1989. vii, 133 p. : ill. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2044) ISSN 0706-6473  
MICROLOG 90-02023 2 fiche

Documentation of research vessel groundfish surveys conducted annually in the southern Gulf of St. Lawrence. The programs are written in Turbo Pascal and include a data editor/validation system, a report generator, an analysis system to provide biomass and catch at age estimates, and a plotting package to map the various forms of the data. The data can be either in the form used by the Gulf Region of the DFO or that used prior to 1984 by the Scotia Fundy Region of the DFO. The data formats are provided and source code listings are available.  
● CA CF FI PS SC

#### Safety of fuel pump circuits in fuel tanks of road vehicles using unleaded gasoline or methanol

by E.E. Dainty and G. Lobay. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. 9 p. : ill. Bibliogr. (Report ; MRL 89-11(TR))  
MICROLOG 90-01329 1 fiche

Previous work was conducted to determine whether sparks from electrical devices could ignite vapours above the fuel in a tank. This report supplements tests conducted with various alternative fuels with information about unleaded gasoline and methanol. These two fuels were tested at a range of temperatures, using a fuel pump circuit and IEC breakflash apparatus for ignition. High current levels associated with the fuel pump test circuit extended the upper and lower ranges of flammability for the respective vapours, relative to the lower levels of test current used previously.  
● CA CM EN PS SC TR

#### Les Sages-femmes : un nouveau statut

par M. Baker. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 31 p. Bibliogr. (Etude générale ; BP-217F) *L'éd. anglaise (Midwifery...) sur la même fiche.* ISBN 0-660-92871-X  
MICROLOG 90-05364 1 fiche

On retrouve les sages-femmes dans toutes les périodes de l'histoire et dans toutes les cultures. De tout temps, des femmes d'expérience ont apporté leur aide à d'autres femmes pendant la grossesse et l'accouchement, même si elles ne faisaient pas de l'exercice de cet art leur gagne-pain. Ce n'est qu'au XXe siècle, et dans quelques pays occidentaux, que les femmes ont cessé d'accoucher chez elles pour mettre leurs enfants au monde à l'hôpital, sous la surveillance de médecins. Ce document se penche sur cette question.  
CA HE

#### Saint John Fundy Region Development Commission : Annual report 1988-89

St. John, N.B. : The Commission, 1989. 58 p. CSI 89707 001.  
MICROLOG 90-03300 1 fiche

This annual report lists the Board of Directors, and reviews administration, provincial and federal government assistance, industrial parks activity, industry general, and special projects/promotion. It includes financial statements.  
AP MU PL

#### Un Salaire égal : les négociations collectives et la loi : document

Ottawa : Travail Canada, 1987. 50, 50 p. Bibliogr. *Rédigé en vue du colloque, Un Salaire égal : les négociations collectives et la loi. Bilingue (Equal Pay...paper)*  
MICROLOG 90-02833 2 fiche

Ce document a pour objet d'étudier le concept du salaire égal pour un travail d'égale valeur de même que les problèmes qu'il vise à résoudre. Il donne un aperçu des lois internationales, fédérales et provinciales en la matière, ainsi que des efforts actuels et passés qui ont été déployés au Canada en vue de mettre le principe en application par divers moyens, notamment le dépôt des plaintes et la négociation collective. Enfin, le document soulève certains points de discussion et certaines considérations liés à l'application future de ce principe.  
CA JU LA

#### Un Salaire égal : les négociations collectives et la loi : les textes des allocations

Un Salaire égal : les négociations collectives et la loi (1987). Ottawa : Travail Canada, 1987. 49, 45 p. *Bilingue (Equal Pay...)*. ISBN 0-662-55641-0  
MICROLOG 90-02832 2 fiche

En février 1986, lors d'un programme similaire, le Bureau de la main-d'œuvre féminine, secondé par la Division de l'équité salariale, a parrainé un séminaire sur l'égalité de rémunération à l'intention des gestionnaires supérieurs des grandes entreprises de compétence fédérale. Les textes des allocations prononcées lors de ce séminaire sont regroupés et publiés dans ce document.  
CA LA

#### Salinité des sols : Manitoba

par R.G. Eilers. Ottawa : Agriculture Canada, Direction générale de la recherche, Centre de recherches sur les terres, 1990. 9 p. : cartes géogr. (Centre de recherches sur les terres contribution ; no 87-15) *Cartes géogr. plantes non filmées. Bilingue (Soil salinity...)*. ISBN 0-662-57121-5  
MICROLOG 90-04937 1 fiche

La dégradation des sols est devenue une préoccupation majeure au Canada. L'un des processus de cette dégradation, la salinisation des sols, est une source d'inquiétude dans l'ouest du Canada. Elle est limitée presque entièrement aux régions agricoles du sud des trois provinces des Prairies. Ce document présente une carte préparée dans le but de donner un aperçu de l'étendue et de la gravité de la salinité du sol, abstraction faite de son origine et des changements de son étendue. Elle donne aussi des renseignements sur la qualité du sol de surface et du sous-sol quant à la présence de sels.  
● AG AL CA MS SC

#### Salmon feed experiments

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5411) *Originally published in Icelandic.* ISSN 0704-3716  
MICROLOG 90-01533 1 fiche

Research and development on Icelandic dry feed for salmonids has been under way for the last 2 1/2 years. This experiment developed salmon feed from Icelandic capelin produce and



established, by means of chemical analysis and feeding experiments on young fish, the quality limits that need to be set on capelin meal and capelin oil for them to be suitable for feed mixtures. Capelin meal and capelin oil are the main components of the fish feed used, and as farmed fish are very sensitive to the quality of feed, options must be carefully considered.

• CA CF FI SC

### Salmon pricing trends : a simulation model

Marvin Shaffer and Associates. Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1989. v, 38 p. Bibliogr. (Economic and commercial analysis report ; no. 53) ISSN 0843-5626 ISBN 0-662-17702-9 MICROLOG 90-04882 1 fiche

A simulation model to develop long term forecasts of salmon prices was developed, including specific forecasts and sensitivity results and price equations for different species, product forms and market destinations. The equations were derived by equating demand and supply, with demand specified as a function of per capita income, substitute prices, own prices, taste and population changes, and supply specified as a sum of exogenously-determined B.C. and rest of the world supply. Market linkages are developed through substitute salmon species-cross price elasticities of demand. The model is programmed in Lotus 1-2-3, with a parameter input block, a demand-determining variable input block, a supply input block and a price equation block.

• BC CA CF FI

### Salmonid Enhancement Program (Canada) : 1988-89 update

Vancouver, B.C. : The Program, 1989. 15 p. ill. CSI 21105 015 MICROLOG 90-02943 1 fiche

Annual report of the Program, giving information on their activities in stocking of rivers and constructing fishways for sport fishing. Data on production by fish species and location, and the contribution of the program to commercial and sport catches by region are also included.

BC CA CF FI SC ST

### Salt spray injury study : efficacy of film-forming chemicals for protecting roadside trees

by C. Chong. Toronto : Ministry of Transportation and Communications, Research and Development Branch, 1990. vi, 26 p. MICROLOG 90-05479 1 fiche

The effectiveness of a number of film-forming chemicals was evaluated in 3 field experiments for protecting fruit and landscape trees against salt spray injury and in reducing sodium and chlorine ion buildup in the twigs. In separate experiments, Folicate, Joncryl 1938, RD1725, RD1726, and Siloconate 51T were evaluated on peach trees and red pine. Burlap was also used to cover the trees and the results were evaluated. In an additional study, Foliconate, RD1725, RD2033, RD2034, RD2035, and RD2036 were evaluated on whole peach trees that were sprayed 4 times during the winter of 1987 with 2% rock salt solution.

ON PR SC TR

### Salt-water intrusion in a layered coastal aquifer at York Point, Prince Edward Island

by G. Van der Kamp. Saskatoon, Sask. Inland Waters Directorate, National Hydrology Research Institute, 1981. v, 11 p. ill. Bibliogr. (NHRI paper ; no. 14) (Scientific series ; no. 121) ISBN 0-662-11761-1 MICROLOG 90-05385 1 fiche

Detailed measurements of water levels and salinities were carried out in a layered coastal

aquifer, undisturbed by pumping, at York Point, Prince Edward Island. The position and movements of the sea water in the aquifer are analyzed in relation to density differences, and tidal, seasonal and secular changes of water levels.

AP CA EV SC

### Salvaging the partnership : 1989 AMO submission to Provincial Cabinet

Toronto Association of Municipalities of Ontario, 1989. 21 p. Bibliogr. (AMO report : report series 1989 ; 89-5) MICROLOG 90-01039 1 fiche (Available on microfiche only)

Reviews provincial policies affecting municipal budgets and presents conclusions and recommendations.

MU ON PA

### Sampling and analysis of refinery effluents to assess variations in trace contaminant concentrations

prepared for the Petroleum Association for Conservation of the Canadian Environment ; in association with the Ontario Ministry of the Environment, Environment Canada, and the Ontario Petroleum Association, by Canviro Consultants. Ottawa : Petroleum Association for Conservation of the Canadian Environment, 1987. vi, 94 p. : ill. Bibliogr. (PACE report ; no. 87-2) MICROLOG 90-01935 2 fiche

This study was conducted in fulfillment of the prerogation monitoring requirements under Ontario's Municipal Industrial Strategy for Abatement program for the petroleum sector and was intended to define the capability of petroleum refinery biological treatment processes to effect trace contaminant removal and to assess the variability of effluent quality. A comprehensive sampling program was carried out at the Esso Petroleum Canada Refinery in Sarnia and the Petro-Canada Trafalgar Refinery in Oakville. Six-hour flow-proportioned composite samples of the influent and effluent from the biological treatment plants at each refinery were collected on 6 occasions over 2 weeks. During the sampling periods, biological treatment system operating conditions and key refinery operating conditions were documented. The analytical program focused on conventional contaminants, metals, selected volatile aromatic compounds and polynuclear aromatic hydrocarbons. A comprehensive quality assurance program was conducted in conjunction with the sampling and analytical components of the investigation.

• CA EN EV ON SC

### Sampling and analysis of snow cores in the Yellowknife area

Stanley Associates Engineering Ltd. Yellowknife : Dept. of Renewable Resources, 1986. 49 p. : maps. Bibliogr. MICROLOG 90-02657 1 fiche

The City of Yellowknife is located on the north shore of Great Slave Lake in the Northwest Territories. There are 2 gold producing companies located close to the city. Due to concern over arsenic poisoning, a task force was set up in 1977, one of whose recommendations concerned the concentrations of arsenic in snow. This report gives the results of a snow core sampling and analysis program which is then compared with a 1975 Environment Canada study. The comparison was then used to assess changes in deposition of arsenic in the Yellowknife area as a result of the introduction of emission abatement equipment at the Giant Yellowknife Mines Ltd. gold roasting operation. The study also determined the present concentrations of sulfates and pH values of snow core samples as an initial step in examining sulphur dioxide emissions in the area and analyzed a number

of samples, randomly selected, for sulfate. EV NO PR SC

### Sand and gravel resources in the Flin Flon-Cranberry Portage area

by H.D. Groom. Winnipeg : Manitoba Energy and Mines, Geological Services Branch, 1989. iv, 34 p. : ill., maps. Bibliogr. (Aggregate report ; AR88-13) Fold. maps not filmed. MICROLOG 90-06306 1 fiche

An aggregate resource inventory was carried out during the summer of 1986 in the Flin Flon-Cranberry Portage area to delineate the sand and gravel resources at a scale of 1:50,000 and to provide an estimate of the aggregate reserves in the area. Regional till sampling was also undertaken. The report describes the bedrock and surficial geology of the area, and the methodology of the inventory.

MS NR PR PS SC

### Les Sans abri au Canada -- Rév.

par P. Begin. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 16 p. Bibliogr. (Bulletin d'actualité ; 89-8F) L'éd. anglaise (*Homelessness in Canada*) sur la même fiche ISBN 0-660-92934-1 MICROLOG 90-05729 1 fiche

L'Assemblée générale des Nations Unies pour l'Année internationale du logement des sans-abri (1987) a reconnu l'existence de deux catégories de sans-abri : ceux qui n'ont pas de logement et ceux dont le logement ne répond pas à certaines normes de base, dont la protection contre les intempéries, l'accès à l'eau potable et à des installations sanitaires, la sécurité des personnes, la garantie d'occupation, l'accès à l'emploi, à l'éducation et aux services de santé, ainsi qu'un prix abordable. Ce document se penche sur la question et en fait ressortir les points importants.

CA SA

### Les Sans-abri au Québec : étude exploratoire

Québec : Gouvernement du Québec, Ministère de la main-d'œuvre et de la sécurité du revenu, Direction de la recherche, Service des études prévisionnelles et structurelles, 1988. 138 p. : ill. Bibliogr. CSI 66113.205. ISBN 2-550-18722-9 MICROLOG 90-06885 2 fiche

On estime qu'entre 10 000 et 15 000 itinérants sont apparus dans les rues de Montréal depuis les années 70. Les organismes communautaires leur venant en aide de même que les médias ont pris l'habitude de découper cette population de sans-abri en différents sous-groupes soit, les jeunes itinérants, les femmes victimes de violence et en difficulté, les ex-psychiatrisés, les ex-contrevenants, les alcooliques et toxicomanes et les personnes démunies. Ce document présente le contexte de la recherche et se penche sur les points suivants : la vision des organismes du milieu ; le portrait statistique du Québec ; l'enquête sur la situation à Montréal ; et, l'aperçu régional.

PR QU SA ST

### Santé 2000 : vers une stratégie globale en matière de santé

Fredericton : la Province, 1989. 10, 10 p. Bilingue (*Health 2000 : toward...*). MICROLOG 90-04123 1 fiche

Les principaux thèmes énoncés dans ce rapport sont : la planification provinciale ; l'efficacité ; la santé en général/l'accent sur les résultats ; et, le partage des responsabilités. De plus, il examine les points suivants : la définition de la santé ; une vision de la santé ; les principes directeurs ; les objectifs en matière de santé ; et, l'élaboration d'une stratégie globale en matière de santé.

AP HE PR



**Santé et inégalités sociales : un problème de distance culturelle**

par G. Paquet. Québec : Institut québécois de recherche sur la culture, 1989. 131 p.  
Bibliogr. (Documents de recherche ; no 21)  
ISSN 0823-0447 ISBN 2-89224-129-4  
MICROLOG 90-01967 2 fiche

Dans un premier chapitre, on dresse, à partir de diverses études, enquêtes et rapports, un bilan des constatations relatives aux disparités sociales dans le domaine de la santé. On propose également une courte synthèse de deux types de déterminants sociaux: les facteurs économiques et les facteurs culturels. Dans le deuxième chapitre, on traite de certaines particularités de la culture populaire dans le but de déduire les attitudes à l'égard de la santé et de la maladie et les représentations qui en découlent. Quant au dernier chapitre, il examine la distance culturelle qui sépare le système de santé du milieu populaire.  
CU HE PR QU SA SC

**La Santé, c'est aussi l'affaire des municipalités! Intervenants/es en santé communautaire**

Québec : Gouvernement du Québec, Ministère des affaires municipales, 1989. 59 p. ISBN 2-550-19607-4  
MICROLOG 90-02488 1 fiche

Divisé en deux parties, ce document présente d'abord un bref coup d'oeil sur le fonctionnement des municipalités, en insistant sur l'organisation du système municipal au Québec, sur le rôle des principaux intervenants dans la municipalité et sur le processus de prise de décision particulier à cette instance. La seconde partie s'intéresse aux relations entre la municipalité et la santé. Après un bref historique des interventions municipales dans ce domaine, on retrouve un inventaire des pouvoirs municipaux qui ont un impact sur la santé publique. Le contenu de ce document s'appuie sur les articles de lois en vigueur au 1er janvier 1989.  
HE MU PR QU

**Sapphirine coronas from Sipiwes Lake, Manitoba**

by J.J. Macek. Winnipeg : Manitoba Energy and Mines, Geological Services, 1989. iv, 42 p. Bibliogr. (Geological paper ; GP85-1)  
MICROLOG 90-06383 1 fiche

The occurrence of sapphirine in rocks substantially enriched in magnesium and aluminum is commonly interpreted as an indicator of extremely high P-T metamorphic conditions. This paper provides a basic petrographic record of the Sipiwes sapphirine occurrence and points out some deficiencies of the traditional approach.  
MS NR PR PS SC

**Saskatchewan. Criminal Injuries Compensation Board : Year end report 1988-89**

Regina : The Board, 1989. 27 p.  
CSI 72176.001  
MICROLOG 90-06075 1 fiche

This report includes a program description, statistical summaries, and examples of decision made on claims.  
JU MS PR

**Saskatchewan. Dept. of Telephones : Annual report 1989**

Regina : The Dept., 1990. ii, 6 p.  
CSI 71107.001  
MICROLOG 90-05510 1 fiche

Annual report of the Department, covering the activities of the rural telephone system going to private lines, including various grant programs, rural companies assimilated by SaskTel and upgrading of equipment. A financial statement

rounds out this report.  
MS PR SC ST TE

**Saskatchewan. Environmental Protection Fund : Annual report 1988-89**

Regina : The Fund, 1989. 11 p.  
CSI 72211.001  
MICROLOG 90-03496 1 fiche

This annual report reviews the operations of the Fund, and provides an auditor's report and financial statements.  
EV MS PR

**Saskatchewan. Indian and Native Affairs Secretariat : Annual report 1988-89**

Regina : The Secretariat, 1989. 11 p.  
CSI 71109.001  
MICROLOG 90-03470 1 fiche

The Secretariat is charged with the responsibility of working with Saskatchewan's aboriginal people to ensure that the issues facing them are properly addressed. This annual report reviews programs and other activity areas.  
MS NP PR

**Saskatchewan. Judges of the Provincial Court Superannuation Fund : Annual report 1988-89**

Regina : The Fund, 1989. 13 p.  
CSI 72192.001  
MICROLOG 90-05822 1 fiche

The Commission's objective is to provide superannuation allowances to employees who retire and to the dependents of deceased superannuates and employees. The report presents information on contributions and membership, pensions, investments and administration. Financial statements on the financial position, members' accumulated balances, unallocated fund balance, changes in cash resources, notes to financial statements and a schedule of investments.  
MS PA PR

**Saskatchewan. Municipal Financing Corporation : Annual report 1989**

Regina : The Corporation, 1990. 12 p.  
CSI 72160.001  
MICROLOG 90-04693 1 fiche

The Corporation was established to assist in making capital funds available for the financing of school, hospital and other essential construction and local improvement projects throughout the Province's cities, towns, villages and rural areas. The annual report contains financial statements.  
MS MU PA PR

**Saskatchewan. Office of the Ombudsman : Annual report 1989**

Regina : The Office, 1990. 62 p.  
CSI 72161.001 ISSN 0317-7319  
MICROLOG 90-04724 1 fiche

The Ombudsman investigates complaints from the public against government officials and agencies. The annual report discusses complaints investigated for the year, effectiveness in dealing with complaints, and the National Ombudsman Conference. The report also provides information on staff and summaries of cases settled along with the distribution of complaints by region and status of complaint. Includes copy of Ombudsman legislation.  
JU MS PR ST

**Saskatchewan. Public and Private Rights Board : Annual report 1989**

Regina : The Board, 1990. 14 p.  
CSI 72166.001  
MICROLOG 90-05526 1 fiche

The annual report reviews the Board's general activities for the year, and presents statistical data on investigations and negotiations by the Board by expropriating authority involved.  
CO MS PR ST

**Saskatchewan. Public Service Commission : Annual report 1988-89**

Regina : The Commission, 1989. 17 p. : ill.  
CSI 72140.001  
MICROLOG 90-03467 1 fiche

Contains 1988-1989 highlights, a description of the Commission's executive structure, divisional reports, and a forecast for the 1990's.  
MS PA PR

**Saskatchewan. Public Service Superannuation Board : Annual report 1988-89**

Regina : The Board, 1989. 41 p.  
CSI 72165.001  
MICROLOG 90-05820 1 fiche

The primary objective of the Board is to provide superannuation allowances to employees who retire and to the dependants of deceased superannuates and employees. This annual report reviews the Board's program and activities. It also provides tabular information on superannuation allowances.  
CO MS PA PR

**Saskatchewan. Saskatchewan Agriculture : Annual report 1988-89**

Regina : The Ministry, 1989. ii, 31 p.  
CSI 71113.001  
MICROLOG 90-03458 1 fiche

This annual report reviews Branch activity. It also provides an auditor's report for the Cattle Marketing Deductions Fund, the Farm Purchase Program Fund, and the Horned Cattle Fund.  
AG MS PR SC

**Saskatchewan. Saskatchewan Consumer and Commercial Affairs : Annual report 1988-89**

Regina : The Ministry, 1989. 26 p. : ill.  
CSI 71114.001  
MICROLOG 90-03485 1 fiche

This annual report lists Acts administered by the Department, and reviews the activities of the various Branches. It includes an auditor's report.  
CO MS PR

**Saskatchewan. Saskatchewan Economic Development and Tourism : Annual report 1988-89**

Regina : The Ministry, 1989. 23 p. : ill.  
CSI 71127.001  
MICROLOG 90-03461 1 fiche

The Department's mandate is to develop, co-ordinate, promote and implement policies and programs of the Government of Saskatchewan that facilitate the development and diversification of the Saskatchewan economy. This annual report presents the year in review, and reviews tourism development  
CO CU MS PR

**Saskatchewan. Saskatchewan Education : Annual report 1988-89**

Regina : The Ministry, 1989. vi, 78 p. : ill.  
CSI 71102.001  
MICROLOG 90-03498 1 fiche

Presents highlights of the year, and reviews primary and secondary education, university education, skill training, regional colleges, community education, french education, special education, northern education, literacy training, distance education, services to students, the provincial library, and support services.  
ED MS PR ST



**Saskatchewan. Saskatchewan Energy and Mines : Annual report 1988-89**

Regina : The Ministry, 1989. 32 p. : ill.  
Bibliogr. *CSI 71117.001*.  
MICROLOG 90-03451 1 fiche

This annual report includes Division reports, a Precambrian bedrock compilation geology map, and figures showing wells drilled and metres drilled by area, remaining oil and gas reserves, oil production, average crude oil prices, and wells capable of production.  
EN MS NR PR SC ST

**Saskatchewan. Saskatchewan Environment and Public Safety : Annual report 1988-89**

Regina : The Ministry, 1989. 64 p. : ill.  
*CSI 71118.001*.  
MICROLOG 90-03489 1 fiche

The Department's mandate is to protect and enhance the environment in a manner that promotes the physical, economic and social well-being of the people of the province. This annual report includes divisional highlights.  
EV MS PR SC ST

**Saskatchewan. Saskatchewan Health : Annual report 1988-89**

Regina : The Ministry, 1989. viii, 31 p. : ill.  
*CSI 71120.001*.  
MICROLOG 90-03495 1 fiche

This annual report includes Department highlights, and reviews the activities of the Department's various services. It lists Saskatchewan Health Expenditures, and includes a summary of legislation.  
HE MS PR

**Saskatchewan. Saskatchewan Highways and Transportation : Annual report 1988-89**

Regina : The Ministry, 1989. 67 p. : ill.  
*CSI 71121.001*.  
MICROLOG 90-03471 1 fiche

The Department's mandate is to plan, implement and manage an integrated multi-modal transportation system which provides for the safe, efficient movement of people and goods at a level of service acceptable to the public for the economic and social development of the province. This annual report reviews Division activities, and construction accomplishments  
MS PR SC ST TR

**Saskatchewan. Saskatchewan Human Resources, Labour and Employment : Annual report 1988-89**

Regina : The Ministry, 1989. 24 p.  
*CSI 71130.001*.  
MICROLOG 90-04915 1 fiche

The Department monitors, promotes, and coordinates the continued development and implementation of programs relating to employment and economic development in the Province. The annual report includes an organizational chart, and a description of the Department's full mandate.  
LA MS PR ST

**Saskatchewan. Saskatchewan Justice : Annual report 1988-89**

Regina : The Ministry, 1989. 39 p. : ill.  
*CSI 71104.001*.  
MICROLOG 90-05505 1 fiche

The Department coordinates and seeks to increase its efficiency in the delivery of provincial justice services. The annual report reviews the year's activities in the different divisions of the Department. Public Law and Policy, Corrections and Justice Services and Administration. Included is the activities reports of their Boards and Commissions.  
JU MS PR ST

**Saskatchewan. Saskatchewan Parks, Recreation and Culture : Annual report 1988-89**

Regina : The Ministry, 1989. 46 p. : ill.  
*CSI 71123.001*.  
MICROLOG 90-03487 1 fiche

This annual report describes the organization of the Department, and includes operating and management highlights. It also lists program accomplishments and provides financial statements.  
CU MS PR SC ST

**Saskatchewan. Saskatchewan Public Participation : Annual report 1988-89**

Regina : The Ministry, 1989. 14 p.  
*CSI 72226.001*.  
MICROLOG 90-03457 1 fiche

Public Participation provides opportunities for large numbers of Saskatchewan people to participate directly in the development of the economy and in the delivery of government services. This annual report reviews bond and share offerings for 1988-89, employee ownership, new forms of service delivery, and asset development.  
CO MS PR

**Saskatchewan. Saskatchewan Rural Development : Annual report 1988-89**

Regina : The Ministry, 1989. iv, 45 p. : ill.  
*CSI 71125.001*. ISSN 0831-9073  
MICROLOG 90-03452 1 fiche

This organization's mission is to build together for a strong and prosperous rural community. This annual report describes their overall principles as well as describing the function and activities for each division within the Ministry.  
MS MU PL PR SC ST

**Saskatchewan. Saskatchewan Science and Technology : Annual report 1988-89**

Regina : The Ministry, 1989. 27 p. : ill.  
*CSI 71105.001*.  
MICROLOG 90-03469 1 fiche

Saskatchewan Science and Technology is responsible for all matters relating to the development, co-ordination, application and promotion of science and technology activity in the province. This annual report reviews Department activities and accomplishments, and suggests future directions. It includes a financial review.  
MS PR PS SC

**Saskatchewan. Saskatchewan Social Services : Annual report 1988-89**

Regina : The Ministry, 1989. 30 p.  
*CSI 71126.001*.  
MICROLOG 90-03462 1 fiche

This annual report summarizes the performance of the Department during the fiscal year ended March 31, 1989. The report is divided into four sections: introductory and organizational information, public programs and services, internal support services, and fiscal statement.  
MS PR SA ST

**Saskatchewan. Saskatchewan Trade and Investment : Annual report 1988-89**

Regina : The Ministry, 1989. 12 p.  
*CSI 71116.001*.  
MICROLOG 90-03459 1 fiche

The Department is responsible for the maintenance and expansion of exports from Saskatchewan, the diversification of exports, increasing inflows of investment from outside the province, and the development of investment projects that will enhance the export base of the province. This annual report reviews the activity of the Trade Division, the Investment

Division, and the Public and Corporate Affairs Branch.  
CO MS PR

**Saskatchewan. Saskatchewan Urban Affairs : Annual report 1988-89**

Regina : The Ministry, 1989. 28 p.  
*CSI 71128.001*. ISSN 0715-2159  
MICROLOG 90-04177 1 fiche

This annual report outlines the major activities and accomplishments of the Department and its Services.  
MS MU PR

**Saskatchewan. Teachers' Superannuation Commission : Annual report 1988-89**

Regina : The Commission, 1989. 56 p. : ill.  
*CSI 72189.001*.  
MICROLOG 90-03472 1 fiche

The Commission is responsible for the administration of the Teachers' Superannuation Act, the Teachers' Life Insurance Act, the Teachers' Dental Plan Act and the regulations to these Acts. This annual report covers the superannuation plans, group life insurance, and the dental plan. It includes financial statements.  
CO ED LA MS PR

**Saskatchewan accident statistics, 1985**

Regina : Saskatchewan Health, Vital Statistics, 1986. 57 p. *CSI 71120.005*. ISSN 0380-5425  
MICROLOG 90-00500 1 fiche

The first two sections of the report deal with mortality and hospital admissions, respectively. The third section focuses on motor vehicle accidents, and the fourth provides information on interprovincial comparisons. The final section lists population data from 1964 to 1988. Appendices provide detailed listings of mortality and hospital data, and an explanation of the accident classifications used in the report.  
MS PR SC ST TR

**Saskatchewan Alcohol and Drug Abuse Commission : Annual report 1988-89**

Regina : The Commission, 1989. 25 p. : ill.  
*CSI 72214.001*.  
MICROLOG 90-03463 1 fiche

The mandate of the Commission is to reduce alcohol and other drug problems. This annual report reviews provincial services and regional services, and presents financial statements.  
BS HE MS PR SA

**Saskatchewan Arts Board : Annual report 1988-89**

Regina : The Board, 1989. 52 p. : ill.  
*CSI 72107.001*.  
MICROLOG 90-03448 1 fiche

The objectives of the Board are to make available opportunities to engage in theatre arts, visual arts, music, literary arts, film and video arts, and handicrafts. This annual report reviews the Board's programs and services, grants received 1948-1988, personnel 1948-1988, and chronological highlights 1948-1988. It includes an auditor's report.  
CU MS PR

**Saskatchewan Assessment Management Agency : Annual report 1989**

Regina : The Agency, 1990. 26 p. : ill.  
*CSI 72222.001*.  
MICROLOG 90-04716 1 fiche

The Agency is responsible for the valuation of all properties, businesses, equipment and special franchises in the province with the exception of those located in Moose Jaw, Prince Albert, Regina and Saskatoon. Presents a profile of assessed values for the year and



reviews assessment activity (number of components and values) by region. Also reports on administrative activities and includes financial statements.  
CO MS PA PR

**Saskatchewan Beef Stabilization Board : Annual report 1987-88**

Regina : The Board, 1988. 23 p. : ill.  
CSI 72109.001.  
MICROLOG 90-07031 1 fiche

The Board administers 2 market insurance programs for cattle and provides contract holders with a cattle selling system. This annual report contains data on operations and marketing including an industry review. A financial statement is included, as well as a 5-year summary.  
AG CO MS PR ST

**Saskatchewan Beef Stabilization Board : Annual report 1988-89**

Regina : The Board, 1989. 23 p. : ill.  
CSI 72109.001.  
MICROLOG 90-05507 1 fiche

Annual report of the Board, containing data on operations and marketing in the province and comparisons to other provinces. A financial statement is included, as well as a 5-year summary.  
AG CO MS PR SC ST

**Saskatchewan Cancer Foundation : Annual report 1988-89**

Regina : The Foundation, 1989. 40 p. : ill.  
Bibliogr. CSI 72110.001  
MICROLOG 90-03484 1 fiche

The Foundation is responsible for the development and operation of the Saskatchewan Cancer Program. This annual report reviews the Cancer Control Program, and the organization of the Foundation. It also includes financial statements.  
HE MS PR

**Saskatchewan Centre of the Arts : Annual report 1988-89**

Regina : The Centre, 1989. 18 p.  
CSI 72111.001  
MICROLOG 90-03477 1 fiche

The Centre's mission is to enhance the quality of life of the people of the province by providing quality facilities, programs, and services for entertainment, educational, and cultural activities in a cost effective manner. This annual report reviews the operations and activities of the Centre and presents financial statements.  
CU MS PR

**Saskatchewan Communications Network : Annual report 1988-89**

Regina : The Network, 1989. 4 p. : ill.  
CSI 72229.001  
MICROLOG 90-07376 1 fiche

First annual report of the Network, a Crown corporation whose mandate is the provision of equal access to information for all Saskatchewan residents. This report describes the tasks to be undertaken, the services which it will offer and its activities in its first 3 months of operation. The services now offered include a narrowcast network of one-way video and 2-way audio conferencing for credit education classes; a public information network providing a range of educational and informational programming over existing cable TV systems; and a data network which in the future will provide distance education and public information.  
MS PR SC TE

**Saskatchewan Computer Utility Corporation : Annual report 1989**

Regina : The Corporation, 1990. 6 p.  
CSI 72113.001.  
MICROLOG 90-04699 1 fiche

The annual report of this Crown Corporation states that its activities during 1989 were inactive as substantially all of its assets and liabilities were sold in 1988 as part of the transactions that formed Westbridge Computer Corporation. An Auditor's report is included.  
MS PR PS SC

**Saskatchewan construction, upgrading and maintenance : 1989-90 Annual report**

by J.H. Chubak. Regina : Environment Canada, Water Resources Branch, Saskatchewan District, 1990. ii, 69 p. : ill. CSI 21147.005.  
MICROLOG 90-06953 1 fiche

The Saskatchewan District, Water Resources Branch has a continuing program to maintain its network of about 330 hydrometric gauging stations. The program is carried out by in-house personnel except for specialized tasks, such as, earthwork, and supplying rocks, gravel and concrete, which are contracted out. The 1989-90 construction program consisted of 66 projects (8 upgrading and 58 maintenance). The original construction program was modified, 12 projects deleted and 14 projects added, during the year to maintain safety and operational standards. This report also contains cost summaries, definitions, a history of expenditures from 1982-83 to 1989-90. A brief description and cost breakdown for projects completed in 1989-90, a description of construction practices, materials and equipment, photographs, and a location map are included in appendices.  
CA MS NR PS SC

**Saskatchewan Crop Insurance Corporation : Annual report 1988-89**

Regina : The Corporation, 1989. 36 p. : ill., maps. CSI 72115.001.  
MICROLOG 90-03466 1 fiche

This annual report includes a corporate directory, and describes program features. It presents a summary of 1988, financial statements, an auditor's report, and an analysis of insurance.  
AG MS PR SC ST

**Saskatchewan Development Fund Corporation [and] Saskatchewan Development Fund : Annual report 1989**

Regina : The Corporation, 1990. 36 p. : ill.  
CSI 72116.001.  
MICROLOG 90-04697 1 fiche

The Saskatchewan Development Fund Corporation was established in 1974 to perform the duties of trustee, custodian and manager of the Fund, an open-end investment trust. The annual report contains brief highlights and data on annuity liability and contracts outstanding, as well as the year's financial statements.  
CO MS PR ST

**Saskatchewan economic and financial position, November 1989**

Regina : Saskatchewan Finance, 1989. 27 p.  
CSI 71119.006.  
MICROLOG 90-01209 1 fiche

Provides the latest information on the province's economic performance for the 1988 calendar year and the Government's preliminary financial results for the fiscal year ended March 31, 1989.  
CO MS PR ST

**Saskatchewan Economic Development Corporation : Annual report 1989**

Regina : The Corporation, 1989. 19 p. : ill

CSI 72117.001.  
MICROLOG 90-04161 1 fiche

This annual report outlines the major activities and accomplishments of the Corporation. It includes financial statements.  
CO MS PR

**Saskatchewan Farm Ownership Board : Annual report 1988-89**

Regina : The Board, 1989. 5 p. : ill.  
CSI 72215.001.  
MICROLOG 90-05513 1 fiche

The Board was established to administer the Saskatchewan Farm Ownership Act which seeks to improve and stabilize the economic and social environment in the province and to facilitate ownership and control of Saskatchewan farmland by residents or Saskatchewan corporations primarily engaged in the business of farming. Reports the activities of the board and gives some comparative statistics.  
AG CO MS PR SC ST

**Saskatchewan food processors directory, 1990**

Ottawa : Agriculture Canada ; Winnipeg : Saskatchewan Agriculture and Food, 1990. 101 p.  
MICROLOG 90-05938 2 fiche

The directory provides a listing of Saskatchewan food processors and their products and has been designed to assist the agri-food industry in promotion and development.  
• AG CA MS PR

**Saskatchewan Forest Products Corporation : Annual report 1988-89**

Regina : The Corporation, 1989. 15 p.  
CSI 72118.001  
MICROLOG 90-04698 1 fiche

Annual report of the Corporation, presenting an overview of the year's operations, including logging operations, the Carrot River Sawmill, Hudson Bay Plywood plant, and the discontinuation of the Prince Albert treatment plant. A financial statement is included.  
FO MS PR SC

**Saskatchewan Government Growth Fund Management Corporation : Annual report 1989**

Regina : The Corporation, 1990. 9 p.  
CSI 72230.001.  
MICROLOG 90-07377 1 fiche

The Corporation administers a venture capital fund under the federal Immigrant Investor Program. This annual report provides an auditor's report and a statement of the financial position of the Corporation.  
CO MS PA PR

**Saskatchewan Government Insurance : Annual report 1989**

Regina : The Company, 1990. 24 p. : ill.  
CSI 72186.001  
MICROLOG 90-04694 1 fiche

This document reports on the company's financial situation, product performance, accomplishments, special projects, and business goals. Also presented is a statement of operations and retained earnings, statement of changes in financial position, and notes to the financial statements.  
CO MS PR

**Saskatchewan Government Printing Company : Annual report 1989**

Regina : The Company, 1990. 9 p.  
CSI 72121.001  
MICROLOG 90-04712 1 fiche

The annual report supplies an auditor's report, a statement of financial position, a statement of



operations and deficit, a statement of changes in financial position, and notes to the financial statements  
MS PA PR TE

**Saskatchewan Grain Car Corporation : Annual report 1988-89**

Regina : The Corporation, 1989. 15 p.  
CSI 72196.001. ISSN 0822-241X  
MICROLOG 90-03450 1 fiche

Annual report of the Corporation, describing its activities and giving data on grain transported, origin of movements, destinations, round trip car cycles, delays and damaged cars. Current data is compared to that of the previous year. A financial statement is included.  
AG MS PR SC ST TR

**Saskatchewan Health Research Board : Annual report 1988-89**

Regina : The Board, 1989. 23 p.  
CSI 72179.001.  
MICROLOG 90-03478 1 fiche

The Board is responsible for assisting and stimulating research in the healing arts and health sciences. This annual report reviews the Saskatchewan Health Research Fund, competitions and award categories, competition and the review process, the ninth general competition, and the strategic and matching grants programme. It also suggests directions for the future.  
HE MS PR

**Saskatchewan Heritage Fund : Annual report 1987-88**

Regina : The Fund, 1988. 16 p.  
CSI 72123.001.  
MICROLOG 90-03465 1 fiche

The Fund provides Saskatchewan citizens with statement of the management of their non-renewable resource revenues. This annual report describes how the Fund works, and the divisions of the Fund. It provides an auditor's report.  
CU MS PR

**Saskatchewan Heritage Fund : Annual report 1988-89**

Regina : The Fund, 1989. 16 p.  
CSI 72123.001.  
MICROLOG 90-04180 1 fiche

The Fund provides the citizens of the province with a clear statement of the management of their non-renewable resource revenues. This annual report includes an auditor's report, and financial statements.  
CO MS PA PR

**Saskatchewan Horse Racing Commission : Annual report 1989**

Regina : The Commission, 1990. 23 p.  
CSI 72124.001. ISSN 0829-1187  
MICROLOG 90-05506 1 fiche

The objectives of the Commission are to direct and regulate horse racing in the province in any or all of its forms. A primary objective of the Commission is to maintain the integrity of horse racing in Saskatchewan. The report summarizes the activities of the year, and presents information on grants to the industry, statistics on races, and financial statements.  
CU MS PR ST

**Saskatchewan Housing Corporation : Annual report 1986**

Regina : The Corporation, 1987. 41 p. : ill., maps. CSI 72126.001.  
MICROLOG 90-06565 1 fiche

The Corporation provides initiatives which improve the affordability and availability of housing in the province. The annual report discusses the Saskatchewan Home and First Time New Home Buyers programs, enriched

housing, property management, loans and grants, land operations and construction. Financial statements are included.  
MS PL PR SA

**Saskatchewan Housing Corporation : Annual report 1988**

Regina : The Corporation, 1989. 40 p. : ill.  
CSI 72126.001.  
MICROLOG 90-02155 1 fiche

This annual report reviews 1988 program activity, and covers the following topics: innovative housing, service enriched housing, special purpose housing, housing disabled people, 1988 housing projects, supporting economic development in the province, property management, northern job creation, and land operations. It includes financial statements.  
MS PL PR PW SA

**Saskatchewan Housing Corporation : Annual report 1989**

Regina : The Corporation, 1990. 31 p. : ill.  
CSI 72126.001.  
MICROLOG 90-04717 1 fiche

The Corporation provides initiatives which improve the affordability and availability of appropriate housing in the province. The annual report discusses housing for seniors, families, the disabled, northern residents of the province and the Corporation's Home Improvement Program. Financial statements are included.  
MS PL PR SA

**Saskatchewan Human Rights Commission : Annual report 1989**

Saskatoon, Sask. : The Commission, 1990. 31 p. : ill. CSI 72127.001.  
MICROLOG 90-05512 1 fiche

The Commission protects fundamental freedoms and equality rights with regard to freedoms of conscience, religion, expression, association, the right to vote, and ensures that no discrimination in housing, employment, public services, education, contracts and publications exists on the basis of race or color, creed or religion, nationality, sex, marital status, physical disability and age. The annual report reviews the cases heard before the Board for the year, and affirmative action programs operating in the Province.  
JU MS PR ST

**Saskatchewan Legal Aid Commission : Annual report 1988-89**

Regina : The Commission, 1989. 20 p. : ill. CSI 72129.001.  
MICROLOG 90-03464 1 fiche

This annual report contains a profile of the Commission, a directory of legal aid area offices, a summary of disposition of appeals/complaints directed to the office of the chairperson, and a list of applications received. It includes an auditor's report.  
JU MS PR SA ST

**Saskatchewan Legislative Assembly Members Superannuation Fund : Annual report 1988-89**

Regina : The Fund, 1989. 12 p.  
CSI 72191.001.  
MICROLOG 90-05819 1 fiche

The Members of the Legislative Assembly Superannuation Fund was created to provide a pension to individuals who are elected and provide service to the Province of Saskatchewan as Members of the Legislative Assembly. This annual report outlines the major activities and accomplishments of the Fund. It includes financial statements  
JU MS PR

**Saskatchewan Liquor Board : Annual report 1988-89**

Regina : The Board, 1989. 38 p. : ill. CSI 72153.001.  
MICROLOG 90-05387 1 fiche

The Board operates licensing and sales of liquor throughout the province and the annual report reviews retail operations products and distribution, financial operations, personnel, permits issued, operating graphs and statistics, and schedules of sales and purchases. Includes financial statements.  
CO MS PA PR ST

**Saskatchewan manufacturers' guide, 1990**

Regina : Saskatchewan Economic Development and Tourism, 1990. 251 p. CSI 71127.004.  
MICROLOG 90-03341 3 fiche

This document lists products manufactured in Saskatchewan, and lists Saskatchewan manufacturers alphabetically, by product, by S.I.C. coding, and by location.  
CO MS PR

**Saskatchewan Market Development Fund : Financial statements 1988-89**

Regina : Office of the Provincial Auditor, 1989. 7 p. CSI 72156.002.  
MICROLOG 90-03353 1 fiche

This document includes an auditor's report, a balance sheet, and a statement of revenue, expenditure and fund balance.  
CO MS PR

**Saskatchewan Milk Control Board : Annual report 1988**

Regina : The Board, 1989. 29 p.  
CSI 72157.001.  
MICROLOG 90-00666 1 fiche

The annual report reviews milk production and utilization, producer pools, transportation, the national dairy policy, Board activities, and legislation. It includes an auditor's report and statistical tables.  
AG CO MS PR ST

**Saskatchewan Milk Control Board : Annual report 1989**

Regina : The Board, 1990. 30 p.  
CSI 72157.001.  
MICROLOG 90-05613 1 fiche

Annual report of the Board, presenting information on producer pools, milk production and utilization, transportation, national dairy policy, legislation and financing. A financial statement is included. Detailed data is given for whole milk requirements, production and sales by control area, market share quota utilization, and the average monthly pool price.  
AG CO MS PR SC ST

**Saskatchewan Minerals : Annual report 1989**

Regina : The Corporation, 1990. 6 p.  
CSI 72132.001.  
MICROLOG 90-04700 1 fiche

Early in 1988, the assets relating to the operating divisions of Saskatchewan Minerals were sold, and the Corporation ceased operations. An Auditor's report and a financial statement is included.  
MS NR PR PS SC

**Saskatchewan Mining Development Corporation : Annual report 1989**

Regina : The Corporation, 1990. 10 p.  
CSI 72133.001.  
MICROLOG 90-04701 1 fiche

This annual report outlines the major activities and accomplishments of the Corporation. It provides an auditors' report.  
MS NR PR



**Saskatchewan Municipal Board :  
Annual report 1989**

Regina : The Board, 1989. 40 p.  
CSI 72155.001.  
MICROLOG 90-04176 1 fiche

Consolidating the former Saskatchewan Local Government Board, Assessment Appeal Board, Provincial Planning Appeals Board, and Municipal Boundary Commission, the new board is responsible to approve and advise on debt financing and other financial matters, to review applications for alterations of municipal boundaries, to hear appeals by the public on planning and development matters, and to handle assessment appeals. This report describes the organization of the board and the activities of its committees including the status of appeals before each committee.  
MS MU PR

**Saskatchewan Natural Products  
Marketing Council : Annual report  
1989**

Regina : The Council, 1990. 20 p. : ill.  
CSI 72134.001. ISSN 0701-7030  
MICROLOG 90-05093 1 fiche

Annual report of the Council, giving information on the organization and operation, the supervision of marketing boards and commissions, approval of Board and Commission marketing orders, new marketing plans, and appeals under the Act. Marketing boards administered include vegetables, broiler hatching egg producers, chickens, commercial egg producers, pork producers, pulse crops, sheep and wool and turkeys.  
AG CO MS PR SC ST

**Saskatchewan Pension Plan : Annual  
report 1988**

Regina : The Plan, 1989. 12 p.  
CSI 72213.001.  
MICROLOG 90-03460 1 fiche

This annual report includes a Plan description, reviews the activities of 1989, and looks to the year ahead. It contains financial statements and a schedule of investment activity.  
CO MS PR

**Saskatchewan Pension Plan : Annual  
report 1989**

Regina : The Plan, 1990. 21 p. : ill.  
CSI 72213.001  
MICROLOG 90-05821 1 fiche

The Pension Plan is intended to provide a mechanism for the residents of Saskatchewan to plan for their own retirement and was introduced in the Spring of 1986. The report outlines eligibility, features and benefits payable. Includes financial statements.  
CO MS PA PR

**Saskatchewan Police Commission :  
Annual report 1988-89**

Regina : The Commission, 1989. 17 p. : ill.  
CSI 72135.001.  
MICROLOG 90-05498 1 fiche

The Commission has a mandate to promote the preservation of peace and the prevention of crime, and improve efficiency of police relationships with the communities in the province. The annual report reviews activities for the year for each division and detachment with information on police use of firearms, police training at the Saskatchewan Police College, National Crime Prevention Week, public complaints, public inquiries held, and courses given by the Police College.  
JU MS PR ST

**Saskatchewan Power Corporation :  
Annual report 1989**

Regina : The Corporation, 1990. 24 p. : ill.  
CSI 72136.001  
MICROLOG 90-04714 1 fiche

Annual report of the Corporation, which administers the electrical and natural gas utilities in the province. A financial statement is included.  
EN MS PR SC

**Saskatchewan Public Employees  
Superannuation Plan : Annual report  
1985-86**

Regina : The Plan, 1986. 33 p. : ill.  
CSI 72139.001.  
MICROLOG 90-05085 1 fiche

This Plan is established by section 38 of the Superannuation (Supplementary Provisions) Act. The Plan was established for permanent employees and other participating public sector employers. The annual report reviews the operations of the Plan, membership status, administration, investments, schedules of investment transactions and concludes with financial statements.  
MS PA PR

**Saskatchewan Research Council :  
Annual report 1988-89**

Saskatoon, Sask. : The Council, 1989. 32 p. : ill.  
CSI 72141.001.  
MICROLOG 90-04162 1 fiche

Annual report of the Council, giving information on research programs in energy and minerals, biomass resources, engineering and technology services, environment and resources, sedimentary resources, remote sensing, atmospheric processes, aquatic biology, terrestrial ecology and archaeology, technology transfer and business development, innovation, product and process development. Information is also given on the Canadian Centre for Advanced Instrumentation and the Bovine Blood Typing Laboratory. A financial statement is included.  
EN MS NR PR SC

**Saskatchewan Student Aid Fund :  
Annual report 1987-88**

Regina : The Fund, 1988. v, 14 p. : ill.  
CSI 72169.001.  
MICROLOG 90-05609 1 fiche

The Fund was established by the provincial government in 1949 to provide financial assistance to Saskatchewan's post-secondary students. This annual report reviews all lending activity administered by the Student Financial Services Unit of Saskatchewan Education in 1987-88, along with activities funded through the Student Aid Fund.  
ED MS PR ST

**Saskatchewan Superintendent of  
Insurance : Annual report 1988**

Regina : The Superintendent, 1989. vi, 69 p.  
CSI 72204.001.  
MICROLOG 90-00329 1 fiche

This annual report contains comparative totals for premiums and claims for 1963-1988, and insurance exhibits.  
CO MS PR ST

**Saskatchewan Superintendent of  
Insurance : Annual report 1989**

Regina : The Superintendent, 1990. iii, 66 p.  
CSI 72204.001.  
MICROLOG 90-06156 1 fiche

This annual report provides information on companies, fraternal and mutual benefit societies limited; fraternal societies; mutual benefit societies; and a comparative summary. In addition, it provides comparative totals and insurance exhibits for the following sorts of insurance: accident and sickness; aircraft; automobile; boiler and machinery; guarantee; hail; liability; life, marine; and property.  
CO MS PR ST

**Saskatchewan Transportation  
Company : Annual report 1989**

Regina : The Company, 1989. 12 p.  
CSI 72144.001.  
MICROLOG 90-04715 1 fiche

The Company provides scheduled passenger and parcel express service to over 400 Saskatchewan communities. This annual report gives an overview of the year's operation and a 5-year statistical profile. Financial statements are included.  
MS PR SC TR

**Saskatchewan Water Appeal Board :  
Annual report 1988-89**

Regina : The Board, 1989. 9 p.  
CSI 72190.001.  
MICROLOG 90-03468 1 fiche

The mandate of the Board is to hear and determine appeals against decisions, orders and actions made by the Water Corporation with respect to drainage complaints and drainage permit applications. This annual report lists board members, and includes a summary of appeals, together with financial statements.  
EV MS NR PR PW SC

**Saskatchewan Water Corporation :  
Annual report 1989**

Regina : The Corporation, 1990. 52 p. : ill.  
CSI 72146.001.  
MICROLOG 90-05534 1 fiche

Annual report of the Corporation, which is responsible for the stewardship and development of water and related land resources. The report gives an overview of the year's work in resource management, special projects (irrigation, construction development), operations in the regions and the Water Supply Utility, and financial matters. A financial statement is included.  
CO MS PR PW SC ST

**Saskatchewan Workers'  
Compensation Board : Annual report  
1989**

Regina : The Board, 1990. 34 p. : ill.  
CSI 72171.001.  
MICROLOG 90-04719 1 fiche

Workers' compensation is the occupational insurance system whereby workers give up their right to take legal action against their employer in order to receive compensation for workplace injuries. The annual report looks at client, support and other services they provide. Statistical highlights and financial information from investments, the Auditor and the Actuary along with administrative expenses are included.  
LA MS PR ST

**Saskatoon Rural Health Region  
(Sask.) : Annual report 1988-89**

Saskatoon, Sask. : The Region, 1989. 38 p. : ill.  
CSI 72178.001.  
MICROLOG 90-00346 1 fiche

This annual report contains the public health nursing report, the public health inspection report, the chiropody program report, the early childhood psychology report, the public health nutritionist's report, the speech/language pathology report, dental health education program report, and the community therapists' report.  
HE MS MU PR ST

**SaskAuto : Annual report 1989**

Regina : SaskAuto, 1990. 24 p. : ill.  
CSI 72120.001  
MICROLOG 90-07378 1 fiche

Saskatchewan Government Insurance ensures that everyone receives basic vehicle insurance and it issues driver's licences and licence plates. This annual report consists of a presentation of the year in review, an auditor's



report, a statement of financial position, a statement of the operations and rate stabilization reserve, a statement of changes in the financial position, and notes to the financial statements  
CO MS PR

#### Saskoil : Annual report 1989

Regina : The Company, 1990 58 p. : ill.  
CSI 72172 001  
MICROLOG 90-04718 1 fiche

Saskoil is a senior Canadian energy company with interests in western Canada and selected international exploratory basins. This annual report contains an operations overview, financial statements, a five year summary, and corporate information.  
MS NR PR ST

#### Sault Ste. Marie Canal : socio-economic impact evaluation

P.G. Whiting and Associates. Ottawa : Canadian Parks, Ontario Region, 1989. vii p.  
MICROLOG 90-06417 1 fiche

Since July 22 of 1987, the Canal has been closed because of a structural failure in the sixty metre section of the south lock chamber wall. The Canadian Parks Service has initiated a process which included engineering investigations, as well as planning and public consultation programs, since the closure to navigation. As part of the examination of future options, this study was commissioned to estimate the potential economic and social effects of five alternative courses of action. This document contains a brief summary of the key points and findings of the report.  
CA CO CU

#### Savoir enseignant et idéologie réformiste : la formation des maîtres, 1930-64

par M. Mellouki. Québec : Institut québécois de recherche sur la culture, 1989 392 p. : ill. Bibliogr. (Documents de recherche, no 20)  
ISSN 0823-0447 ISBN 2-89224-118-9  
MICROLOG 90-01981 5 fiche

Ce document donne tout d'abord une description de l'évolution des effectifs scolaires, de la morphologie du corps enseignant et du développement des institutions de formation des maîtres. Ensuite, le chapitre deux met ensemble quelques éléments dont le jeu donne lieu à l'émergence d'un savoir enseignant caractérisé par son ouverture. Le chapitre suivant est consacré à une étude détaillée de la réforme des programmes des écoles normales mise en vigueur à partir de septembre 1953. Par après, on présente quelques autres moments dans l'élaboration de l'idéologie réformiste et dans le resserrement de ses liens avec un savoir enseignant de plus en plus vendu à la psychologie; et, on termine sur ce qui semble constituer une mise en scène du rite de passage d'un ordre scolaire et social donné à un autre.  
ED PR QU

#### Scale model simulation of impact of a rail locomotive coupler on the irradiated fuel transportation cask

by R.M. Zane and J.D. Tulk. Toronto : Ontario Hydro, Research Division, 1989. 33 p. : ill. Bibliogr. (Report ; no. 89-197-K)  
MICROLOG 90-03515 1 fiche

Ontario Hydro has developed a transportation cask for large-scale shipments of irradiated fuel from CANDU reactors. This package was licensed for use on public highways by a series of 9-metre drop tests, in accordance with the Atomic Energy Control Board regulations for radioactive materials transport. The tests described here go beyond the regulatory requirements and were designed to simulate a collision between a freight locomotive travelling at 105 km/h (65 mph) and an irradiated fuel transport cask. The test was

carried out to resolve the question of whether or not a stiff, blunt 'projectile' - such as the coupler on a fast-moving train - could penetrate the wall of the cask. The test featured a 7th scale model of the cask striking a 7th scale model locomotive. To achieve the impact velocity, a small rocket motor was used to help accelerate the cask model.  
EN ON PR PS SC TR

#### Scallop *Pecten maximus* restocking program in France : goals, results and prospects

by J.C. Dao...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 21 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5343) Originally published in French. ISSN 0704-3716  
MICROLOG 90-01781 1 fiche

Since 1973, a great deal of research has been conducted into the natural resource management and extensive aquaculture of scallops. The findings over the first 10 years made it possible to develop and implement a 5-year program (1983-87) involving restocking demonstration activities in Brest harbour and new management techniques in St. Brieuc Bay. This paper presents the technical findings concerning resource management techniques and aquacultural operations, as well as the major economic, social and legal constraints involved.  
● CA CF FI SC

#### Scenarios for end-use energy demand in Quebec, 1986-2006 : summary report

Québec (Province). Secteur énergie. Groupe de l'analyse quantitative et de l'information statistique. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, 1987. iii, 72 p. : ill. (Etudes et recherches) CSI 66110.203  
MICROLOG 90-04760 2 fiche

As part of studies on energy demand trends in Québec over the long term, energy consumption for 1986-2006 was analyzed using 3 different socio-economic scenarios, based on 2 economic growth assumptions (strong growth and slow growth) and 3 assumptions for increases in the price of international crude oil (major increase, moderate increase, limited increase). Scenario 1 combines strong growth with a substantial rise in oil prices, while scenario 2 is based on low growth and moderate price increases. Scenario 3 uses a combination of strong growth and a limited increase in oil prices. In addition to the 3 scenarios, 2 alternative simulations were performed, each of which varied certain financial ratios of Hydro-Québec. This report presents the results of this study as well as a preliminary analysis.  
EN PR QU SC ST

#### Schedule of rental rates for construction equipment, 1990-91

Edmonton : Alberta Transportation and Utilities, 1990. 144 p. : ill. CSI 34117.003.  
MICROLOG 90-07230 2 fiche

Provides rental rates for the following varieties of equipment: self propelled, pull type, cranes, crawler tractors, excavators, rubber tired loaders, skid steer loaders, track type loaders, miscellaneous equipment, motor graders, motor scrapers, pull type scrapers, skidders, farm and industrial tractors, loader/backhoes tractors, trucks and transporting equipment, and truck haul rates 1990/91.  
AL PL PR SC

#### Scheduling tasks and vehicles in a flexible manufacturing system

by J. Blaciewicz...et al. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 19 p. : ill. Bibliogr.

(Publication ; no. 694)  
MICROLOG 90-06638 1 fiche

Due to their increasing applicability in modern industry, flexible manufacturing systems (FMS), their control and their design have been studied extensively recently. One of the most important issues in this context is the scheduling problem. This paper is concerned with a new model of an FMS system, motivated by the practical application that takes into account both machine and vehicle scheduling. For the case of a given machine schedule, a simple polynomial time algorithm is presented that checks the feasibility of a vehicle schedule and constructs it whenever one exists. Then a dynamic programming approach is proposed constructing optimal machine and vehicle schedules. This technique results in a pseudopolynomial time algorithm for a fixed number of machines.  
PR PS QU SC TR

#### Scholes Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 29 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 459)  
MICROLOG 90-01089 1 fiche

Geological data inventory for Scholes Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical survey, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

#### School attendance and non-attendance in Canada and the United States : an overview of the project

by J.D. Pauker, J. Desnoyers and R. Pauker. Toronto : Ministry of Education, 1988. v, 97 p. French ed. (Fréquentation scolaire...) : 90-00862/2. ISBN 0-7729-3546-7  
MICROLOG 90-00863 2 fiche

Organizes the 1975-86 literature on attendance and non-attendance. It also surveys the following topics: compulsory school attendance legislation; methods and programs to increase school attendance, and decrease absenteeism; and classifies male young offenders with school attendance problems.  
ED ON PR

#### School attendance and non-attendance in Canada and the United States : survey of methods and programs to increase school attendance, decrease absenteeism, and deal with drop-out

by J. Desnoyers and J.D. Pauker. Toronto : Ministry of Education, 1988. 90 p. ISBN 0-7729-3547-5  
MICROLOG 90-00861 2 fiche

This document focuses on the attendance tracking process, attendance follow-up, and current research in program evaluation. It also presents descriptions of examples of model programs or program components.  
ED ON PR

#### School counsellors and the law : a handbook for New Brunswick school counsellors

by C. Layden-Stevenson. Fredericton : Dept. of Education, Student Services Branch, 1989. 42 p. Bibliogr.  
MICROLOG 90-00976 1 fiche

This document provides a description of the court structure in the province. It also distinguishes between liability arising from criminal and civil law, and explains criminal code offences.  
AP ED JU PR



**School district planning of curriculum implementation**

by A. Taylor and W. Werner. Victoria : Ministry of Education, Educational Program Implementation Branch, 1989. 38 p. Bibliogr. ISBN 0-7726-0992-6  
MICROLOG 90-02647 1 fiche

Summarizes some of the general factors that can be taken into account when implementation is planned for a district, taking a district perspective on planning. The discussion is designed to facilitate the work of district administrators and committees  
BC ED PR

**School finance '90 : changes to the school finance system**

Victoria : Ministry of Education, 1990. 14 p. MICROLOG 90-03063 1 fiche

Presents a news release, and discusses the previous school finance system, the new block funding system, economic adjustment, the distribution of the block, accountability, and financing.  
BC CO ED PR

**Schools in Manitoba, 1989-90**

Manitoba. Manitoba Education and Training. Winnipeg : The Ministry, 1990. 57 p. : maps. MICROLOG 90-03948 1 fiche

Contains a comprehensive listing of all schools, school divisions and school districts. It includes the number of teachers and students for each school. The directory was compiled from information submitted by school divisions in September, 1989.  
ED MS PR

**Schools, computers, and learning project : interim report no. 2 from the Kingston Regional Pilot Test Centre : integrating computers in the junior division curriculum**

by J. Olson and D. Pothaar. Toronto : Ministry of Education, 1988. vii, 107 p. Bibliogr. (Education and technology series) ISBN 0-7729-3747-8  
MICROLOG 90-06457 2 fiche

This study is an investigation of children's learning and thinking about combustion in order to understand their conceptions. It also investigates the role the computer can play in helping teachers adapt the learning environment to children's natural ways of learning.  
ED ON PR TE

**Science and technology in Nova Scotia : a directory of public sector research and development**

prepared by B.M. Newman, K. Crinean and the Technology Transfer Office ; with the support of the Nova Scotia Dept. of Industry, Trade and Technology and the Atlantic Canada Opportunities Agency. Halifax : Technology Transfer Office, 1989. 125 p. : ill. ISBN 0-9694165-0-4  
MICROLOG 90-00453 2 fiche

Comprehensive listing of science and technology R&D in the public sector in Nova Scotia. The information in the directory was provided by the 20 institutions involved in response to a questionnaire designed specifically to document their science and technology expertise. Coverage was restricted to institutions performing R&D; training establishments were excluded. The main body of the directory contains standardized profiles of each of the institutions, including main areas of R&D with a detailed breakdown; major facilities and equipment; major programs and services; ways to access these R&D capabilities; and key contact personnel. The directory also includes an index to R&D activities, additional sources of technical expertise and information, and brief descriptions of government programs relevant

to industrial R&D and technology investments, with contacts.

• AP CA PA PS SC

**Science Council of British Columbia : Annual report 1988-89**

Burnaby, B.C. : Secretariat on Science, Research and Development, 1989. 35 p. : ill. CSI 38169.001. ISSN 0710-8419  
MICROLOG 90-00879 1 fiche

Annual report of the Council, including a summary of the province's new science policy. An overview of the year's activities includes publication of the Spark Report in August 1988 laying out major objectives for the next 12 years, with the steps to be followed by government, industry and knowledge based institutions. The report concludes with a description of research grants, projects, and awards, as well as outreach programs to the public and industry. A listing of the grants, fellowships, and scholarships awarded, by subject, is also given. A financial statement is included.  
BC PR PS SC

**Science Council of British Columbia : Annual report 1989-90**

Burnaby, B.C. : The Council, 1990. 58 p. : ill. CSI 38169.001. ISSN 0710-8419  
MICROLOG 90-07035 1 fiche

Annual report of the Council and the Secretariat, listing the members of each organization, as well as the year's activities, including various grants and fellowships awarded. A listing of assistant grants, with title of project and amount committed is also included. Financial statements conclude the document.  
BC PR SC

**Science Council of Canada : Annual report 1988-89**

Ottawa : The Council, 1989. 26, 26 p. Bilingual. CSI 22169.001. ISBN 0-662-56919-9  
MICROLOG 90-01654 1 fiche

This annual report of the Council gives a summary of its function and a list of members, presents highlights of the year's activities, and lists meetings of the Council, projects underway and publications. A financial statement is included.  
CA PA SC

**Science Institute of the Northwest Territories : Annual report 1988-89**

Yellowknife : The Institute, 1989. 6 p. : ill. Year-end statements (8 p.) laid in. CSI 75111.001.  
MICROLOG 90-01662 1 fiche

Annual report of the Institute, giving highlights of the year's activities, and more detailed information on programs administered and community activities. These include policy advice to the territorial government, the Industrial Research Assistance Program for small businesses, science fairs, and the summer job programs. A financial statement is included.  
NO PR SC

**Science review, 1988-89**

Canada. Dept. of Fisheries and Oceans. Pacific Region. Ottawa : The Region, 1989. 142 p. ill., maps. CSI 21105.032. ISBN 0-662-17463-1  
MICROLOG 90-04373 2 fiche

This report describes the programs and activities of the Science Sector, Pacific Region, Department of Fisheries and Oceans during the fiscal year 1988-89. It is intended to review the activities of the Biological Sciences Branch (headquartered at the Pacific Biological Station with facilities at West Vancouver, Cultus Lake and the Institute of Ocean Sciences) and

Hydrography and Physical and Chemical Sciences at the Institute of Ocean Sciences (IOS). Coverage includes these fields of study: marine cartography, tides and currents, hydrography engineering services, aspects of ocean physics, the Centre for Ocean Climatic Chemistry, ocean chemistry, data assessment, salmon production, research into various species of aquatic animals, fish habitat, science and survey support, and scientific computing. A list of permanent staff is also included.  
CA CF FI LS SC

**Les Sciences de la nature et la mathématique au deuxième cycle du secondaire**

avis au Ministre de l'éducation et Ministre de l'enseignement supérieur et de la science. Québec : Gouvernement du Québec, Conseil supérieur de l'éducation, 1989. 99 p. Bibliogr. ISBN 2-550-14706-5  
MICROLOG 90-04184 2 fiche

Ce document rapporte d'abord quelques données essentielles relatives aux choix qui ont fait l'école secondaire d'aujourd'hui. Il identifie ensuite quelques zones grises qui subsistent et qui se dessinent plus nettement, maintenant que les réformes entreprises ont commencé à faire sentir leurs effets. Il le fait en décrivant aussi les principales contraintes de système qui rendent difficile la gestion de ces zones grises. Des rappels et des recommandations, que le Conseil juge fondamentaux pour la solution des problèmes soumis par le ministre sont ensuite traités dans le développement de ce document. Il se penche finalement sur les visées de l'école secondaire; l'arrimage du secondaire et du collégial; l'enseignement de la mathématique; et l'enseignement des sciences de la nature.  
ED PR QU

**Les Sciences de la terre au Canada, 1988 : rapport annuel**

rédauteur, Alan V. Morgan. Ottawa : Commission géologique du Canada, 1989. 56, 52 p. : ill. (Etude ; 89-6) Bilingue (The Geosciences in Canada...). CSI 22190.001. ISSN 0068-7650. ISBN 0-660-55548-4  
MICROLOG 90-06056 2 fiche

Le Conseil géoscientifique canadien sert de tribune aux représentants des grandes sociétés, des universités et des organismes gouvernementaux qui s'emploient ensemble à encourager le développement des sciences de la Terre. Ce document contient des rapports de l'administration du Conseil, des sociétés membres, des sociétés membres associées, des comités permanents, des comités chargés de rapports, et des comités consultatifs et d'examen.  
CA NR PS SC

**Les Sciences de la terre au service de la nation : rapport sur la Commission géologique du Canada**

publié pour le Conseil géoscientifique canadien. Ottawa : Énergie, mines et ressources Canada, Commission géologique du Canada, 1989. 29, 29 p. (Etude ; 89-25) Bilingue (Earth sciences in the service...). ISSN 0068-7650. ISBN 0-660-55557-3  
MICROLOG 90-01853 1 fiche

En 1988, le Conseil géoscientifique du Canada a décidé d'entreprendre un examen prospectif de la fonction globale et du rôle de la Commission géologique du Canada (CGD) en fonction des besoins du Canada et des Canadiens. Il a pris cette décision en qualité d'organisme responsable de l'examen des programmes et des politiques de la Commission géologique du Canada et des divers organismes géoscientifiques provinciaux en plus d'être le porte-parole des organismes géoscientifiques au Canada. La présente étude porte principalement sur la Commission géologique du Canada, d'hier à aujourd'hui; les défis et les orientations futures, la structure et



l'organisation; et, le rôle de la CGD au sein du gouvernement.  
CA NR PS SC

#### Scientific activities in Alberta : statistics wrap-up, 1986-87

Edmonton : Alberta Technology, Research and Telecommunications, 1989. 14 p. Bibliogr.  
CSI 34125 201.  
MICROLOG 90-06395 1 fiche

Data on the activities of the federal and provincial governments and industry in funding science activities. Details are given on funding on health, fossil fuels, manufacturing, in-house activities, industry, the federal government, and universities. Comparisons are made with funding levels in other provinces.  
AL PR PS SC ST

#### Scientific activities of Alberta industry : industry R&D, 1986

Edmonton : Alberta Technology, Research and Telecommunications, 1989. 8 p. Bibliogr.  
CSI 34125 002  
MICROLOG 90-06397 1 fiche

Survey of industrial performed R&D in the natural sciences and engineering fields, based on reports from companies. Respondents are grouped by Standard Industrial Classification and information is given on national results, sources of R&D, current R&D, capital R&D, the talent pool, Alberta and its energy industry, and outputs of industry R&D.  
AL PR PS SC ST

#### Scientific activities of the Government of Alberta : 1987-88 overview

Edmonton : Alberta Technology, Research and Telecommunications, 1989. 8 p.  
CSI 34125 002  
MICROLOG 90-06782 1 fiche

Brief overview of the results of the 1987/88 survey of the activities of the Alberta government in science, covering health, environmental protection, industrial and social development and the advancement of local scientific competence. The survey offers a series of indicators of provincial government expenditures, the allocation of those expenditures, human resources, and provincial priorities/objectives. Comparisons of annual expenditures in these areas from 1980 to the present are given, along with comparisons to expenditures of other provinces.  
AL PR PS SC ST

#### Scientific activities of the Government of Canada : 1986-87 overview

Edmonton : Alberta Technology, Research and Telecommunications, 1989. 14 p. : ill.  
CSI 34125 202.  
MICROLOG 90-06398 1 fiche

Overview of the Government of Canada's resource commitment to scientific activities and the participation of Alberta organizations in the federal science agenda. All data is taken from the annual survey of government departments and agencies conducted by Statistics Canada. The survey gives a series of indicators of federal government expenditures, the allocation to those expenditures, and priorities/objectives in the scientific arena.  
AL CA PR PS SC ST

#### The Scientific justification of management of whale populations in the International Whaling Commission

by K. Lankester. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 11 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5408). Originally published in *Dutch, in the Netherlands*. ISSN 0704-3716  
MICROLOG 90-01536 1 fiche

Paper summarizing the history of whaling and the establishment of the International Whaling

Commission (IWC), pointing out that the IWC was established by whaling nations in 1946 '...to provide for the proper conservation of whale stocks and thus make possible the orderly development of the whaling industry'. The paper includes the change in the IWC's status from an organization controlled by whaling nations to one controlled by non-whaling nations who were more interested in preservation, a situation which led to a moratorium on whaling beginning in the 1985/86 season. The paper concludes with a discussion on the scientific basis of whale management as established by procedures adopted in 1987.  
● CA CF FI SC

#### Scientific research activities at the St. Andrews Biological Station

B.D. Chang, editor. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Biological Sciences Branch, Biological Station, 1990. v, 47 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2054)  
ISSN 0706-6473  
MICROLOG 90-04326 1 fiche

Overview of the various scientific research projects undertaken at the St. Andrews Biological Station, New Brunswick, from 1987-89. Coverage includes projects in the branches of aquaculture and invertebrate fisheries, marine fish, and marine chemistry. Projects in the Atlantic salmon demonstration and development farm, the Salmon genetics research program, and the Atlantic Reference Centre are also included. The report also includes a staff list, publications by staff in 1987 and 1988, and seminars and workshops held at the station from 1987-89.  
● AP CA CF FI LS SC

#### The SCONE report : building our economic future

Northwest Territories. Legislative Assembly. Special Committee on the Northern Economy. Yellowknife : The Assembly, 1989. vii, 76 p. : ill. Bibliogr. ISBN 0-7708-5823-6  
MICROLOG 90-05701 1 fiche

Describes two distinct kinds of communities in the Northwest Territories: the developed communities and the underdeveloped communities. It offers a single economic development strategy, which can adapt itself to the distinctive needs of each type of community. It includes 30 recommendations outlining how this strategy might be implemented.  
CO NO PR

#### Scotia-Fundy county profiles

Ottawa : Dept. of Fisheries and Oceans, Economic and Commercial Analysis Directorate, 1990. vi, 70 p. (Economic and commercial analysis report ; no. 48) ISSN 0843-5626 ISBN 0-662-17517-4  
MICROLOG 90-03258 1 fiche

This document presents summary data from the fishing industry in the region. In addition to the regional profile, information is provided for 18 counties.  
AP CO FI PR

#### The Scotia-Fundy lobster fishery, phase one : issues and considerations

Canada. Dept. of Fisheries and Oceans. Scotia-Fundy Region. Program Coordination and Economics Branch. Halifax : Dept. of Fisheries and Oceans, Scotia-Fundy Region, Communications Branch, 1989. x, 111 p. : ill., maps. Bibliogr. ISBN 0-662-17637-5  
MICROLOG 90-04339 2 fiche

In April 1988 a major in-depth study of the Scotia-Fundy lobster fishery was announced by the federal government to review all the major issues facing the industry and address the long-term social and economic viability of the fishery and of the communities which depend on it. The study would include the biological, licensing,

management, marketing, and enforcements aspects. This study contains a comprehensive overview of the fishery, emphasizing recent developments. It examines the community base in which the fishery takes place and analyzes the resource according to current scientific understanding. It examines the harvesting, processing and marketing components and describes the DFO management regime and its related costs. On the basis of an extensive consultative process, with generally good participation by the industry, it presents the current views and concerns of fishermen on issues they consider of primary importance.  
AP CA CF FI SC

#### Sea ice fluctuations in the western Labrador Sea, 1963-88

by I.K. Peterson and S.J. Prinsenberg. Dartmouth, N.S. : Bedford Institute of Oceanography, 1990. iv, 130 p. : ill., maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 123)  
ISSN 0711-6774  
MICROLOG 90-03399 2 fiche

Atlas describing sea ice fluctuations in the western Labrador Sea for 1963-88 inclusive. The data set consists of ice concentration data on a 0.5 degree latitude by 1.0 degree longitude grid, derived from weekly ice charts. The data set was compiled from several sources, each covering different periods. The ice charts were digitized between 45N and 65N for total ice concentration, and the concentration of individual ice types (new, grey, grey-white, first-year and old). Monthly maps showing total ice concentration and the relative concentrations of the various ice types are presented. Time series of sea ice extent, ice extent anomalies, air temperature and geostrophic wind are also included.  
● AP CA CF FI SC

#### Seafloor topography over the Phalen Colliery, phase 2 : Sydney Coalfield, Cape Breton, Nova Scotia

submitted to Cape Breton Coal Research Laboratory ; by McGregor GeoScience Ltd. Halifax : McGregor GeoScience Ltd., 1989. 75 p. : ill., maps. Bibliogr. Fold. maps not filmed. CANMET contract: 89004-04-SQ.  
MICROLOG 90-00178 2 fiche

A 67 line-km grid of marine, high resolution echosounder and subbottom profiler data was acquired over the Cape Breton Development Corporation's Phalen Colliery, off New Waterford, Nova Scotia. The survey was conducted in August 1988 as the 2nd phase of a multi-year program designed to evaluate mining-induced seafloor subsidence by comparing pre-mining seafloor profiles with post-mining seafloor profiles. The tracks of survey lines and the echosounder profiles acquired along these tracks were digitized, then individual line, plan and profile drawings were produced. The software permits superposition of the 1988 results with earlier 1987 ACAD diagrams. This report describes the data collected, its accuracy and the methodology used to process and analyse it. The field work aspect of this project is both summarized and detailed in reports on operations, survey systems, personnel and navigation. A data inventory and quality survey is also given.  
● AP CA CM NR PS SC

#### Sealing and insulating specific areas of bulk tobacco kilns : final report

by D.L. Van Hooren. Guelph, Ont. : Agricultural Energy Centre, 1989. 12 p. : ill. (Report ; no. 89-6508)  
MICROLOG 90-03936 1 fiche

The majority of bulk tobacco kilns manufactured prior to the 1980s were constructed with fibreboard in their roofs. After many cycles of curing and conditioning tobacco, the fibreboard deteriorated so badly that it is separating from



the metal roof and rafters. In addition, many of the kilns constructed with fibreboard in the roofs only have insulation in the walls of the curing compartment. In 1987, a project began to determine the effects of removing fibreboard from kiln roofs and applying polyurethane foam in its place, as well as retrofitting uninsulated areas with the same material. This report describes the methods used and evaluates the results.  
AG EN ON PR SC

**Seals and nematodes : a paper concerned with the granting of a bounty by the Icelandic Nematode Committee**

by S. Helgadóttir, A. Petersen and S. Bergmann. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 166 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5207) Originally published in Icelandic, by Landvernd (the Icelandic Society for Nature Conservation), in Iceland. ISSN 0704-3716  
MICROLOG 90-02702 2 fiche

The Nematode Committee was appointed by the Icelandic government in the early 1980s to deal with grey and harbour seals on the coast of Iceland. These seals were considered to be infecting the fish populations of the area with nematodes, a type of roundworm which are parasitic in fish as larvae, thereby reducing the catch. The Committee offered a bounty for the killing of the seals. When this came to the public's attention, much concern was expressed. This report gives an overview of the biology of the seals, the history of seal hunting and its effects on the seal population around Iceland, a discussion of nematode infection of fish, and an examination of the Nematode Committee's operations. Sources include both Icelandic and non-Icelandic publications and research reports.  
● CA CF FI SC

**Seasonal influence on plantation survival and growth on mainland Nova Scotia**

Truro, N.S. : Dept. of Lands and Forests, 1989. 12 p. : ill. Bibliogr. (Forest research report ; no. 17)  
MICROLOG 90-02230 1 fiche

Many of Nova Scotia's forest stands are inadequately stocked with natural softwood regeneration after harvesting. In some regions of Canada, survival and height were found to vary according to planting data, whereas other studies indicated that planting can take place from spring throughout the summer months and into the fall without adversely affecting growth or survival. A study undertaken on the Cape Breton Highlands of Nova Scotia showed that white and black spruce multipots can be planted throughout the growing season without adversely affecting survival or growth. To determine whether the same is true for mainland Nova Scotia, where moisture deficiencies are more common, a trial involving 7 species was established at Delaney Settlement, Colchester County.  
AP FO PR SC

**Seasonal influence on plantation survival and growth on the Cape Breton Highlands of Nova Scotia**

Truro, N.S. : Dept. of Lands and Forests, 1988. 8 p. : ill. Bibliogr. (Forest research report ; no. 4)  
MICROLOG 90-02224 1 fiche

Many of Nova Scotia's forest stands are inadequately stocked to natural softwood regeneration after harvesting. In some regions of Canada, survival and height growth were found to vary according to planting data, whereas other studies indicated that planting can take place from spring throughout the summer months and into the fall without

adversely affecting growth or survival. To determine the situation in Nova Scotia, biweekly planting trials were established at several locations. This report summarizes the results of the trials located on the Cape Breton Highlands.  
AP FO PR SC

**Seasonal salinity, temperature and density data for Tuktoyaktuk Harbour and Mason Bay, N.W.T., 1980 to 1988**

by G.E. Hopky...et al. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. v, 231 p. : ill., maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 801) This is the 48th data report from the Central and Arctic Region, Winnipeg. ISSN 0706-6465  
MICROLOG 90-06736 3 fiche

The salinity, temperature and density data presented in this report are from 4 different research programs conducted from 1978-88 in, or very near to, Tuktoyaktuk Harbour and Mason Bay, and two coastal embayments located along the southeast coast of the Beaufort Sea in the Mackenzie River estuary.  
● CA CF NO NR PS SC

**Seat belt survey, September 7, 1989 : results**

by M. Murphy. St. John's : Dept. of Transportation, Policy Development and Planning, 1989. 24 p. Bibliogr. (Research report ; no. 41) CS/ 48117.003.  
MICROLOG 90-03172 1 fiche

Presents data on the provincial average wearing rate for 1989 and compares it with the 1988 rate.  
AP PR SC ST TR

**Les Sécheresses, l'agriculture et l'intervention gouvernementale**

par J.-D. Fréchette. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 17 p. Bibliogr. (Bulletin d'actualité ; 89-3F) L'éd. anglaise (Drought, agriculture...) sur la même fiche. ISBN 0660-92723-3  
MICROLOG 90-01846 1 fiche

De mémoire d'homme, la sécheresse de 1988 dans les provinces de l'Ouest a été la pire jamais vue, mais la mémoire repose sur des critères d'évaluation que la science ne reconnaît pas toujours. Au cours de leur histoire, les Prairies ont connu divers types de sécheresse, allant du phénomène isolé d'un an jusqu'à des périodes de dix années consécutives de précipitations sous les normales. Cette analyse repose principalement sur l'historique des sécheresses.  
AG CA PA SC

**Second growth Douglas-fir : its management and conversion for value : a report of the Douglas-Fir Task Force**

compiled and edited by Robert M. Kellogg. Vancouver, B.C. : Forintek Canada Corporation, 1989. ii, 173 p. : ill. Bibliogr. (Special publication ; no. SP-32) ISSN 0824-2119  
MICROLOG 90-03918 2 fiche

The forest industry in Canada will become increasingly dependent on managed second-growth timber for its wood supply. The transition to this resource may result in reductions in log size and changes in the characteristics of the raw material. The Douglas-Fir Task Force was established to estimate the physical, mechanical and chemical properties of the intensively managed coastal Douglas-fir resource of the future, to determine the value of this resource for conversion to dimension lumber and pulp, and to develop a computer model capable of evaluating the effects of silvicultural treatments in terms of

end-product value. Six 50-year-old stands were identified as being representative of the anticipated rotation age of future managed stands. This report presents the results of the Task Force effort, covering the characterization of the resource, conversion of the resource into solid wood and pulp, and managing the resource. Recommendations are included.  
BC CA FO SC

**Second Mines Branch Seminar on Environmental Improvement**

Ottawa : Dept. of Energy, Mines and Resources, Mines Branch, 1971. i, 57 p. (Report ; ADM 71-1)  
MICROLOG 90-04495 1 fiche

Summary of contributions made by Mines Branch toward abatement of pollution from fuel combustion, mining and mineral processing. Coverage includes a description of international and national pollution research collaboration and research to combat pollution in mining, diesel testing facilities, mineral processing and waste recirculation, extraction metallurgy, mineral sciences, physical metallurgy, metals reduction and energy, fuels, and combustion. A progress report is also included on the mine wastewater treatment research program.  
● CA CM EV NR PS SC

**Second report : Builders Lien Act**

British Columbia. Select Standing Committee on Labour, Justice and Intergovernmental Relations. Victoria : Legislative Assembly of British Columbia, 1990. 55 p. Bibliogr.  
MICROLOG 90-07001 1 fiche

This publication examines the purposes of the continuing relevance of the legislation in today's society; the policy consideration behind the Act, the desirability of repeal or reform to any or all of the provision within the Act; and the policy direction which would guide any reform.  
BC JU PR

**Second report on the monitoring data for the petroleum refining sector**

Ontario. Water Resources Branch. Toronto : Environment Ontario, 1990. iii, 64 p. : ill. ISBN 0-7729-7331-8  
MICROLOG 90-06304 1 fiche

Monitoring data for the petroleum refining sector was collected beginning December 1, 1988 and ending November 3, 1989. The first report was published in December 1989. This 2nd report covers June 1-November 3, 1989 for process effluent streams. The data for effluent streams such as once-through cooling water, storm water, landfarm leachate and emergency overflow are provided for the 12 months of monitoring, since these data were not presented in the first report.  
EN EV ON PR SC

**Second report to the Workers' Compensation Board on certain issues arising from the report of the Royal Commission on Asbestos**

Toronto : Industrial Disease Standards Panel, 1990. 115 p. Bibliogr. (IDSP report ; no. 7) ISSN 0840-7274 ISBN 0-7729-7105-6  
MICROLOG 90-04959 2 fiche

Recommendations by the Panel on cancers related to occupational asbestos exposure and recommendation 12.12 of the Royal Commission's report. This report reviews occupational diseases and mechanisms for their compensation, the findings and eligibility rules in compensating occupational asbestos exposure; and the relationship of various cancers to occupational exposure to asbestos and their eligibility for compensation. Dissenting reports from the majority decision are also included.  
CI HE LA ON PR



## Second supplement to tabulation of reports prepared by the Mining Research Centre, 1967

by D.M. Varette Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1968. 11 p. (Report ; MR 68/5-ID)  
MICROLOG 90-04493 1 fiche

Lists of reports, papers presented, and other publications released by the Branch, arranged by report number.

• CA CM NR PS SC

## Secondary suites in RS-1 areas, enforcement and family suites : reports to council

Vancouver, B.C. : Vancouver Planning Dept., 1988. 78 p.  
MICROLOG 90-01620 1 fiche

This consolidation of documents includes the following reports: Background Information on Suites/Enforcement; Definition of Family and Regulations to Permit Family Suites; Proposed RS-1 Illegal Suite Phase-out, Secondary Suite Enforcement Program, Enforcement Policies for Legally Non-conforming, Appeal, Moratorium, Hardship, Parent and Child Suites; and Staffing Needs for Implementation of Long Term Enforcement Program in Joyce Area.  
BC MU PL SA

## Secrétariat des conférences intergouvernementales canadiennes : Rapport aux gouvernements 1988-89

Ottawa : le Secrétariat, 1989. ii, 14, ii, 14 p. Bilingue. CSI 22198 001  
MICROLOG 90-02573 1 fiche

Le Secrétariat des conférences intergouvernementales canadiennes (SCIC) a été créé en 1973 par les Premiers ministres canadiens afin d'assurer aux conférences fédérales-provinciales et interprovinciales tous les services nécessaires à leur organisation et à leur administration. Le document porte particulièrement sur: les conférences, les états financiers; le personnel, le Centre de documentation intergouvernementale (CDI); et, l'avenir.

• CA PA

## Le Secteur canadien de la transformation d'aliments et de boissons : considérations en vue de l'élaboration d'une stratégie agro-alimentaire nationale

Conférence fédérale-provinciale des ministres et des sous-ministres de l'agriculture (1989 : Prince Albert, Sask.). Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 16, 15 p. Bibliogr. Bilingue (The Canadian food and beverage...).  
MICROLOG 90-02622 1 fiche

Le document traite de la contribution du secteur de la transformation d'aliments à l'économie agricole du Canada ainsi que des défis et des occasions auxquels fait face le secteur. Il fait ressortir le lien entre les secteurs de la production agricole, de la transformation d'aliments et de boissons, de la distribution des aliments et des services, et souligne la nécessité d'élargir la portée de l'examen de la politique de manière à inclure le secteur des aliments comme condition pour poursuivre l'élaboration d'une stratégie agro-alimentaire nationale

• AG CA SC

## Le Secteur des industries culturelles de langue française en Ontario : rapport

par Jean-Pierre Cloutier, pour la Direction des industries et organismes culturels, Ministère de la culture et des communications. Toronto : le Ministère, 1990. 92, 84 p. Bibliogr. Bilingue (The French cultural

industry...). ISBN 0-7729-6609-5  
MICROLOG 90-06615 2 fiche

On admet depuis longtemps que les industries culturelles de langue anglaise en Ontario jouent un rôle important dans la vie culturelle et économique de la province et du pays en général. Ce document présente les résultats d'un projet d'étude touchant les dimensions, les besoins et le potentiel du secteur des industries culturelles de langue française en Ontario. Ses activités ont été évaluées en fonction de leurs impacts économique, culturel et social. Il porte sur le panorama; l'édition de livres; l'édition de périodiques; l'enregistrement sonore; le théâtre commercial, le film et la vidéo; et, les conclusions et recommandations.  
CU ON PR

## Le Secteur des sciences sociales : voies de développement et cibles d'action

avis au Ministre de l'enseignement supérieur et de la science. Sainte-Foy, Québec : Gouvernement du Québec, Conseil des universités, 1990. i, 46 p. Bibliogr. (Avis ; no 89.14) ISSN 0709-3985 ISBN 2-550-20714-9  
MICROLOG 90-04615 1 fiche

Document évoquant l'ensemble des déterminants de système à l'intérieur desquels il importe de situer les diagnostics et les projets d'action relatifs au secteur des sciences sociales. Il expose également les cinq grandes orientations stratégiques que le conseil recommande pour le développement - et, à certains égards, la relance - des sciences sociales dans les universités québécoises.  
ED PR QU

## Section 16 of the Matrimonial Property Act

Edmonton : Alberta Law Reform Institute, 1990. ii, 31 p. (Report ; no. 57) ISSN 0317-1604 ISBN 0-8886-4160-5  
MICROLOG 90-05564 1 fiche

The Institute undertook a review of Section 16 because of the many criticisms of the Section voiced by lawyers who practice matrimonial property law. This document examines the existing law, and discusses reform.  
AL JU PR

## Section 54 report to the Solicitor General of Canada on CSIS' use of its investigative powers with respect to the labour movement

Security Intelligence Review Committee (Canada). Ottawa : The Committee, 1988. 18, 18 p. Bilingue (Rapport présenté, aux termes...).  
MICROLOG 90-03327 1 fiche

This report is a synthesis of investigations conducted by the Inspector General of the Canadian Security Intelligence Service and the Security Intelligence Review Committee.

• CA LA

## Sécurité des données en bureautique : exploration des questions et des préoccupations suscitées par le programme de la bureautique -- Rév.

par J.V.T. Knoppers. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 53 p. Bibliogr. L'édition anglaise (Data security...) : 90-05470/1. Ce document fut révisé pour le Carrefour international sur l'information électronique.  
MICROLOG 90-05466 1 fiche

Ce rapport expose une première étude sur les questions et les préoccupations relatives à la sécurité des données, en particulier celles qui ont trait à l'information confidentielle non reliée à la sécurité nationale, que suscite l'instauration de systèmes de bureautique au gouvernement

fédéral. L'étude est fondée sur des entretiens avec les gestionnaires des essais entrepris, une analyse des politiques législatives, des directives et des lignes directrices, en vigueur ou envisagées pour la gestion et la protection de l'information, une revue de la documentation existante, l'ouvrage précédent de l'auteur concernant la gestion de l'information, la Loi sur l'accès à l'information et la Loi sur la protection des renseignements personnels et les questions de vulnérabilité des systèmes de communications et informatiques.  
CA LA PS SC TE

## La Sécurité du revenu, fin de la période de transition : qu'arrive-t-il des droits acquis?

Québec : Gouvernement du Québec, Ministère de la main-d'œuvre, de la sécurité du revenu et de la formation professionnelle, 1990. 21 p. ISBN 2-550-20888-9  
MICROLOG 90-05553 1 fiche

La clientèle de la sécurité du revenu fait souvent appel à des intervenants sociaux et communautaires afin d'obtenir diverses formes d'assistance complémentaires à l'aide financière que lui apporte le ministère de la Main-d'œuvre, de la Sécurité du revenu et de la Formation professionnelle. Cette brochure a été conçue à l'intention de ces personnes-ressources. Elle rappelle les trois volets de la Loi sur la sécurité du revenu, les effets de la fin de la période de transition et les diverses mesures de préparation et d'intégration à l'emploi.  
LA PR QU

## La Sécurité ferroviaire -- Rév.

par J.-D. Bélanger. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 17 p. Bibliogr. (Bulletin d'actualité ; 87-9F) L'édition anglaise (Railway safety) sur la même fiche. ISBN 0-660-92790-X  
MICROLOG 90-03028 1 fiche

Ce sont les déraillements et les collisions entre trains qui ont suscité les discussions récentes: technologie désuète, réductions de personnel, réglementation dépassée et laxisme dans le respect des règles de sécurité sont, entre autres, au centre des débats sur les causes des problèmes touchant la sécurité ferroviaire. Ce sont ces deux types d'accidents que ce bulletin examine.  
CA SC TR

## La Sécurité sociale et le bien-être social : législation canadienne

par H. McKenzie. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. ii, 33 p. Bibliogr. (Etude générale ; BP-93F) L'édition anglaise (Social security and social welfare...) sur la même fiche. ISBN 0-660-92684-9  
MICROLOG 90-01918 1 fiche

Ce document effectue un survol rapide de l'évolution de la législation fédérale en matière de sécurité du revenu, d'assurance sociale et de bien-être social au Canada et du rôle du ministère fédéral le plus actif dans son application, soit Santé et Bien-être social Canada. Il se penche particulièrement sur la sécurité du revenu; l'assurance sociale; les programmes de services sociaux; et, l'application de la législation.  
CA JU SA

## Sécurité, limitation des armements et défense au Canada : les attitudes du public canadien : le sondage d'opinion de l'ICPSI, 1989

par M. Driedger et D. Munton. Ottawa : Institut canadien pour la paix et la sécurité internationales, 1989. 103 p. : ill. L'édition anglaise (Security, arms control...) : 90-01925/2. ISBN 0-662-95746-6  
MICROLOG 90-01926 2 fiche



Le document étudie particulièrement la mesure où la population canadienne craint une guerre nucléaire et un affrontement entre les superpuissances. Il aborde ensuite d'autres menaces possibles, comme les problèmes reliés à l'économie et à l'environnement, et il révèle une évolution assez surprenante des attitudes du public. Il aborde particulièrement les perceptions des menaces militaires, non militaires, et des superpuissances; le degré de confiance dans les grandes puissances et dans leurs dirigeants; les préférences au sujet des politiques canadiennes; et, le Canada et les superpuissances.

● BS CA EX

### Security and sovereignty

Toronto : Canadian Institute of Strategic Studies, 1989. 17 p.  
MICROLOG 90-04489 1 fiche (Available on fiche only)

Discusses how Canadian security, sovereignty and national independence can be preserved in an increasingly interdependent world, Canada's place in the world, the ever-changing international environment, and achieving security and sovereignty for Canada.

● CA EX

### Security, arms control and defence : public attitudes in Canada : the 1989 CIIPS public opinion survey

by M. Driedger and D. Munton. Ottawa : Canadian Institute for International Peace and Security, 1989. 97 p. : ill. *French ed. (Sécurité, limitation...)* : 90-01926/2. ISBN 0-662-17383-X  
MICROLOG 90-01925 2 fiche

The paper examines the perceptions of military threats to Canada and to global peace and security. It considers other possible threats, such as economic and environmental problems, and reveals some startling developments in public attitudes. It also focuses on some specific international policies Canadians favour to deal with the perceived threats to their security and the danger of war. Finally, it considers the important differences in attitudes among various groups of Canadians.

● BS CA CI EX

### Sediment data : Alberta, 1987

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xix, 67 p. *Bilingual (Données sur les sédiments : Alberta.)* CSI 22296 027. ISBN 0-662-56618-1  
MICROLOG 90-00675 1 fiche

Annual suspended sediment data and an historical data summary for the sediment survey investigations conducted in Alberta. Descriptive information about sediment stations is given, including location, latitude and longitude, drainage area, natural or regulated flow, type of gauge, and total suspended sediment load in tonnes. International gauging stations are identified, with names of cooperating agencies who supply data. The publication contains data on streamflow, instantaneous suspended sediment concentration, daily mean suspended sediment concentration, daily suspended sediment loads, dissolved solids concentration, load summary, particle-size distribution of suspended sediment in percent sand, silt and clay, bed load and bed material, water temperature when samples were collected, types of sampler and single sampling vertical location.

AL CA EV NR PS SC ST

### Sediment data : Alberta, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xix, 65 p. *Bilingual (Données sur...Alberta...)*. CSI 22296.027. ISBN 0-662-57437-0  
MICROLOG 90-06927 1 fiche

Data on streamflow and instantaneous suspended sediment concentration, daily mean suspended sediment concentration; daily suspended sediment loads; dissolved solids concentration; load summary, particle-size distribution of suspended sediment in percent sand, silt and clay; bed load and bed material, water temperature when samples were collected; type of sampler and the single sampling vertical location. An historical sediment data summary includes such information as sampled concentration maximum and minimum; suspended sediment load maximum daily and the total for period. The period of record and the type of operation for each year of data are also given. A summary for the months of record gives the period of record mean, the mean for period of record, and the standard error of mean as a percent.

AL CA EV PS SC ST

### Sediment data : Atlantic Provinces, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xix, 43 p. *Bilingual (Données sur...l'Atlantique...)*. CSI 22296.023. ISBN 0-662-57433-8  
MICROLOG 90-06926 1 fiche

Annual report containing descriptive information about sediment stations in the Atlantic Provinces for the current year, plus historical summaries. This publication contains data on streamflow, instantaneous suspended sediment concentration, daily mean suspended sediment concentration; daily suspended sediment loads, dissolved solids concentration; load summary, particle-size distribution of suspended sediment in sand, silt and clay; bed load and bed material, water temperature when samples were collected; type of sampler and the single sampling vertical location.

AP CA EV PS SC ST

### Sediment data : British Columbia, 1987

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xix, 23 p. *Bilingual (Données sur les sédiments : Colombie-Britannique...)*. CSI 22296.028. ISBN 0-662-56620-3  
MICROLOG 90-00676 1 fiche

Annual suspended sediment data and an historical data summary for the sediment survey investigations conducted in B.C. Descriptive information about sediment stations is given, including location, latitude and longitude, drainage area, natural or regulated flow, type of gauge, and total suspended sediment load in tonnes. International gauging stations are identified, with names of cooperating agencies who supply data. The publication contains data on streamflow, instantaneous suspended sediment concentration, daily mean suspended sediment concentration, daily suspended sediment loads, dissolved solids concentration, load summary, particle-size distribution of suspended sediment in percent sand, silt and clay, bed load and bed material, water temperature when samples were collected, type of sampler and single sampling vertical location.

BC CA EV NR PS SC ST

### Sediment data : Manitoba, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xix, 35 p. *Bilingual (Données sur...Manitoba...)*. CSI 22296.025. ISBN 0-662-57435-4  
MICROLOG 90-06928 1 fiche

This publication contains data on streamflow, instantaneous suspended sediment concentration, daily mean suspended sediment concentration; daily suspended sediment loads; dissolved solids concentration; load summary, particle-size

distribution of suspended sediment in percent sand, silt and clay; bed load and bed material, water temperature when samples were collected; type of sampler and the single sampling vertical location. Information is also given on location of sampling stations, drainage area, type of flow, type of gauge, international gauging station designation, and contributed data.

CA MS NR PS SC ST

### Sediment data : Ontario, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xix, 49 p. *Bilingual (Données sur les sédiments...)*. CSI 22296 024. ISBN 0-662-57434-6  
MICROLOG 90-06298 1 fiche

Annual report containing descriptive information about sediment stations in Ontario for the current year, plus historical summaries. This publication contains data on streamflow, instantaneous suspended sediment concentration; daily mean suspended sediment concentration, daily suspended sediment loads; dissolved solids concentration; load summary, particle-size distribution of suspended sediment in sand, silt and clay, bed load and bed material, water temperature when samples were collected; type of sampler and the single sampling vertical location. Each station is listed alphabetically concluding with indexes on station numbers and an alphabetical index listing the rivers and creeks.

CA EX NR ON PS SC ST

### Sediment data : Saskatchewan, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xix, 15 p. *Bilingual (Données sur...Saskatchewan...)*. CSI 22296 026. ISBN 0-662-57436-2  
MICROLOG 90-06933 1 fiche

Annual suspended sediment data, with an historical data summary. Descriptive information about sediment stations includes location, latitude and longitude, drainage area and whether the flow is natural or regulated, type of gauge, and total suspended sediment load in tonnes for the period of record. International gauging stations are identified. Data is given on streamflow; instantaneous suspended sediment concentration; daily mean suspended sediment concentration, daily suspended sediment loads, dissolved solids concentration; load summary; particle-size distribution of suspended sediment in percent sand, silt and clay, bed load and bed material; water temperature when samples were collected, type of sampler; and the single sampling vertical location.

CA MS NR PS SC ST

### Sediment data : Yukon and Northwest Territories, 1987

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xix, 19 p. *Bilingual (Données sur les sédiments : Yukon...)*. CSI 22296.029. ISBN 0-662-56621-1  
MICROLOG 90-00654 1 fiche

Annual suspended sediment data and an historical summary for the sediment survey investigations conducted in Yukon and Northwest Territories. Descriptive information about sediment stations is given, including location, latitude and longitude, drainage area, natural or regulated flow, type of gauge, and total suspended sediment load in tonnes. International gauging stations are identified, with the names of cooperating agencies who supply data. The publication contains data on streamflow, instantaneous suspended sediment concentration, daily mean suspended sediment concentration, daily suspended sediment loads, dissolved solids concentration, load summary, particle-size distribution of suspended sediment in percent sand, silt and clay, bed load and bed material, water temperature when samples were



collected, type of sampler and single sampling vertical location.

CA EV NO NR PS SC ST

#### Sediment data reference index : Canada, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xxvi, 109 p. *Bilingual (Données sur...index...Canada...)*.  
CSI 21147 005. ISBN 0-662-57625-X  
MICROLOG 90-06932 2 fiche

The sediment survey program has the following objectives: collection and provision of data related to sediment transport in Canadian rivers for applications in water resource engineering, water quality and environmental studies, provision of information and advice related to sediment transport; and assessment, improvement and standardization of equipment and techniques used in Canada's sediment survey program. This document provides a tabulation of sediment stations, a station number index, and an alphabetical index.

CA NR PS SC ST

#### Sediment station analysis : South Saskatchewan River at Highway no. 41 05AK001

by M.A. Cashman and M.O. Spitzer. Calgary, Alta. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Western and Northern Region, Water Resources Branch, 1989. 2 v. : ill. Bibliogr. Contents: Vol. 1 : Report -- vol. 2 : Appendices.  
MICROLOG 90-03124 4 fiche

Report presenting basic sediment yield and channel characteristics, as well as examining the data to determine whether sufficient data are available to meet most engineering application needs and to determine whether suspended sediment data can be generated, to a sufficient degree of accuracy, from streamflow discharge data.

• CA EV MS SC

#### Sediment station analysis : South Saskatchewan River at Saskatoon, 05HG001

Hardy BBT Limited. Ottawa : Environment Canada, Conservation and Protection, Inland Waters Directorate, Western and Northern Region, Water Resources Branch, Saskatchewan District, 1989. x, 180 p. : ill. Bibliogr.  
MICROLOG 90-06265 3 fiche

In June 1961, a sediment sampling program was established on the South Saskatchewan River at Saskatoon as part of the network of Canadian sediment monitoring stations gathering data on sediment yield for water development projects. The Saskatoon site was established to determine the impacts of the Gardiner Dam (and its reservoir, Lake Diefenbaker) on the sediment regime of the South Saskatchewan River. This report presents a summary and assessment of the existing sediment data; evaluates the impacts of Gardiner Dam/Lake Diefenbaker on sediment loads; the relationship between sediment loads at Saskatoon and the morphology of the South Saskatchewan River; the role of the South Saskatchewan River in transporting sediment which may impact Codette Reservoir on the Saskatchewan River; and the adequacy of the existing sediment data base for possible engineering, environmental and water quality applications.

• CA MS NR PS SC

#### Seed production of scallop, I : artificial seed collection

by H. Ogawa...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 10 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5320) *Originally published in Japanese, by the Aquaculture*

Centre, Aomori Prefecture at Aomori, Japan.  
ISSN 0704-3716

MICROLOG 90-02107 1 fiche

Paper describing the seed production of scallop using artificial seed collection. Free-swimming larvae were reared in still-water tanks, lightly ventilated. Attached spatulae were reared in breeding baskets suspended in the sea in front of the centre. The results of these methods are reported here.

• CA CF FI LS SC

#### Seed treatment of cereal, oilseed and pulse crops, 1990

by I.R. Evans. Edmonton : Alberta Agriculture, 1990. 2 p. (Agri-tax)

MICROLOG 90-03547 1 fiche

Short description of methods of seed treatment against many diseases and some insect pests for cereal, oilseed and pulse crops. Methods of treatment, costs and trade names are given for fungicides, insecticides and combination formulations.

AG AL PR SC

#### Seedling microclimate

by D.L. Spittlehouse and R.J. Stathers. Victoria : Ministry of Forests and Lands, 1990. vi, 28 p. : ill. Bibliogr. (Land management report ; no. 65) ISBN 0-4418-8890-2

MICROLOG 90-04617 1 fiche

This report presents information on the 7 environmental variables (light, precipitation, wind, humidity, air temperature, soil moisture, and soil temperature) that determine seedling microclimate. Each section describes how the variable affects seedling survival and growth, how site, vegetation, and soil factors interact with macroclimatic factors, and how site preparation treatments can modify seedling microclimate.

BC FO PR SC

#### Seismic activity in OWMC candidate areas

Gartner Lee Associates. Toronto : Ontario Waste Management Corporation, 1988. 10 p. : maps. Bibliogr.  
MICROLOG 90-02864 1 fiche

Working paper prepared to address the potential problems associated with seismic activity in the Golden Horseshoe area of Ontario specifically as it relates to the proposed Ontario Waste Management Corp. site selection and development of facilities. The paper gives a general background on seismic activity; the situation in Canada and Ontario; and the significance in relation to the facilities siting development.

EV ON PR PS SC

#### Selected bibliography of CANMET publications pertaining to the activities of the Canadian Carbonization Research Association (CCRA), 1965-80

compiled by Graham Taylor and Roger Hardy. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1981. i, 11 p. (Report ; ERP/TID 81-14(LS))  
MICROLOG 90-04509 1 fiche

Bibliography selectively listing reports, papers and articles published or authored by CANMET in connection with the research and coal evaluation activities of the Canadian Carbonization Research Association. Reports are listed alphabetically by author under the broad categories of general Canadian metallurgical coals, general industrial operations, research and development, and annual reports.

• CA CM NR PS SC

#### A Selected bibliography of scallop literature : supplement 1

by L.D. Townsend...et al. Nanaimo, B.C. : Dept.

of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iii, 87 p. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2031) ISBN 0706-6473

MICROLOG 90-02302 1 fiche

Update of a 1988 publication which listing 589 references mainly in the field of scallop culture. This bibliography gives an additional 305 references. References are listed alphabetically by author's name and include year of publication, title, journal or publishing agency, and key words. Indices are given for author(s), species, geographic region and subject.

• CA CF FI SC

#### A Selected bibliography on Toronto's port and waterfront

by R. Merrens. Toronto : Canadian Waterfront Resource Centre, 1989. 13 p. (Working papers ; no. 1) ISSN 0847-320X  
MICROLOG 90-03577 1 fiche

This bibliography is a guide to the diversity of material pertaining to Toronto's port and waterfront that has been produced in recent years by a variety of people, including scholars, journalists, architects, planners, and engineers.

MU ON PL

#### Selected findings from the 1981 Edmonton area study

by C. Kinzel. Edmonton : University of Alberta, Dept. of Sociology, Population Research Laboratory, 1981. 12 p. Bibliogr. (Edmonton area series report ; no. 20) CSI 99241.206. ISSN 0703-8763  
MICROLOG 90-05128 1 fiche

This paper describes the sampling design and data collection method of the 1981 Edmonton Area Study. It also presents some preliminary findings.

AL MU SA ST

#### Selected forestry statistics : Canada, 1988

Ottawa : Forestry Canada, Economics Branch, 1989. xxiii, 194 p. : ill. (Information report ; E-X-41) *French ed. (Recueil de statistiques...)* : 90-03352/3. CSI 22189.009 ISSN 0834-938X ISBN 0-662-17146-2  
MICROLOG 90-02044 3 fiche

Series of tables on Canadian forest resources and related management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial data, and economic indicators. Some transportation, construction, and international data were added to complete the picture. A glossary of the main forestry and economic terms used is included. Data mainly covers the 1980s, with some historical information from 1975.

CA FO SC ST

#### Selected interviews on the future of downtown Vancouver

Vancouver, B.C. : Vancouver Planning Dept. ; Vancouver City Planning Commission, 1989. ii, 112 p.  
MICROLOG 90-03100 2 fiche

The content of this report is based on interviews with academics, architects, business people, artists, and community activists. It is based on answers given by those interviewed to the following questions: In your view, how has Vancouver's downtown changed over the past fifteen years? In your interpretation of the current trends, what might happen in the next twenty years? In terms of values and aspirations, what should happen in the next twenty years? What can the community and what can the City do to ensure that what occurs in the next twenty years reflects our ideas of what should happen?

BC MU PL



### Selected physical and chemical characteristics of Dauphin Lake, Manitoba, 1983-85

by J.A. Babaluk and M.K. Friesen. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. iv, 25 p. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 789) This is the 44th data report from the Central and Arctic Region, Winnipeg. ISSN 0706-6465 MICROLOG 90-05549 1 fiche

From 1982-85 surveys of selected physical and chemical characteristics of Dauphin Lake, Manitoba were conducted as part of a fisheries rehabilitation research program to develop and test new biological and hydrological techniques for the rehabilitation of fisheries in the freshwaters of Canada. Emphasis was on the rehabilitation of the walleye, one of the most economically important freshwater fish species in Canada. This report presents physical and chemical data collected from 1983-85, including analyses for elements and nutrients and data for mercury levels in muscle tissue of individual walleye.

• CA CF FI MS NR SC

### Selecting indicators for state of the environment reporting -- Draft

by R. Gélinas and J. Slaats. Ottawa : Canadian Wildlife Service, State of the Environment Reporting Branch, Strategies and Scientific Methods Division, 1989. 25 p. Bibliogr. (Technical report series ; no. 8) MICROLOG 90-06282 1 fiche

The federal government has recently established a national state of the environment (SOE) reporting program to provide a better understanding of environmental conditions and trends to Canadians. An important step in the program is to identify which indicators will be used to represent the state of the environment. This report defines the indicators and describes the role of SOE reporting and indicators; discusses the desirable characteristics of SOE indicators; and describes current and proposed indicator research.

• CA EV SC

### Selection and testing of payload monitors for hydraulic loading equipment

by V. Srajer. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1989. v, 12 p. : ill. Bibliogr. (Report ; CRL 89-53(TR)) MICROLOG 90-00167 1 fiche

Two payload monitoring systems were investigated by Westar's mine engineering staff for application at Greenhills mine in Elkford, B.C. The systems are the WT-4000, developed by Wray Technologies of Sydney, Australia, and Loadrite, developed by Teledyne Canada of Thornbury, Ontario. The WT-4000 system was installed on a Demag H-241 hydraulic shovel at the mine and was operated for 2 months in early 1989. This report describes both monitoring systems, and gives the advantages and disadvantages of the WT-4000 system during testing at the mine.

• BC CA CM NR PS SC

### A Selection index with desired gains to rogue jack pine seedling seed orchards

by Y.S. Park...et al. Fredericton : Canadian Forestry Service - Maritimes, 1989. iii, 18 p. : ill. Bibliogr. (Information report ; M-X-176) ISSN 0834-406X ISBN 0-662-17283-3 MICROLOG 90-02519 1 fiche

Jack pine is second only to black spruce in importance as a reforestation species in New Brunswick. A program for jack pine, based on available genetic and biological information, was initiated in 1977. This report describes

the results of jack pine family tests at 4 locations in New Brunswick at age 10 for height, diameter, volume, stem straightness, branch characteristics, and wood density.

• AP CA FO SC

### A Selection of program models

Toronto : Ministry of Education, 1990. ii, 93 p. Bibliogr. (Student retention and transition series) *Bilingual (Un Recueil...)* ISSN 0839-5039 ISBN 0-7729-5854-8 MICROLOG 90-06671 2 fiche

This publication outlines selected program models developed by school boards across Ontario. It includes information on projects piloted during the 1988-89 school year. The selection presents a range of approaches aimed at retaining potential dropouts or encouraging students who have already dropped out to return to school.

ED ON PR

### The Selection of ultrasonic transducers for inspection of pipeline girth welds

by M.P. Fingerhut, R.I. Coote and D. Hodgkinson. Edmonton : NOVA, An Alberta Corporation, 1986. 4 v. : ill. Bibliogr. Contents: Pt. 1 / M.P. Fingerhut, R.I. Coote, D. Hodgkinson -- pt. 2 / M.P. Fingerhut, A.G. Glover, D.V. Dorling -- pt. 3 : Evaluation of the pitch-catch technique for examination of the body region / A.G. Glover, M.P. Fingerhut, D.V. Dorling -- pt. 4 : Evaluation of inspection criteria on full scale girth welds / A.G. Glover, M.P. Fingerhut, D.V. Dorling. CANMET contract: OSQ82-00244. MICROLOG 90-01202 4 fiche

Description of a program to develop an ultrasonic inspection design for the nondestructive evaluation of pipeline girth welds made by the mechanized gas metal arc welding process for onshore and offshore pipelines. Vol. 1 describes a design approach using specialized ultrasonic beams chosen to detect specific imperfections in the well-defined regions of the weld and evaluated on simulated and real weld imperfections. Vol. 2 investigates the feasibility of using creeping waves for examination of the cap region, resulting in the development and evaluation of specifications for an experimental creeping wave transducer. Vol. 3 studies the use of the pitch-catch technique to examine the body of the weld, carried out on simulated and real weld defects. Vol. 4 combines the technology developed in the 3 previous reports into the overall inspection of field girth welds using 2 full scale welds in 9.8 mm and 20.6 mm thick pipe.

• AL CA CM EN PS SC

### The Selection, design, and operation of large combustion equipment to burn Cape Breton coal

by E.R. Mitchell and F.D. Friedrich. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1960. i, 24 p. (Report ; FMP 60/59-MECH) MICROLOG 90-04533 1 fiche

Report discussing the principal properties of Cape Breton coal influencing combustion, with recommendations concerning selection, design and operation of large equipment to burn it successfully. These recommendations deal primarily with combustion equipment capable of burning 500 lb of coal per hr or more.

• AP CA CM NR PS SC

### The Selective trainer-trainee scheme of the International Development Research Centre

by P.V. Flores. Ottawa : International

Development Research Centre, 1989. 105 p. Bibliogr. (Manuscript report ; 245e) MICROLOG 90-01578 2 fiche (Available on fiche only)

Reviews, quantitatively and qualitatively, the processes involved in trying to apply the scheme. It also provides descriptive, research-based data for the purpose of clarifying how the scheme worked in practice -- its strengths, problems constraints and/or critical elements, who benefited, why and how. Finally it draws implications for the Fellowships and Awards Division's training policies and strategies.

CA EX LA

### Selenium : an important nutrient for salmonids

by O. Ringdal and K. Julshamn. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 6 p. (Canadian translation of fisheries and aquatic sciences ; no. 5195) *Originally published in Norwegian.* ISSN 0704-3716 MICROLOG 90-00062 1 fiche

Need for minerals and trace elements among salmonid fishes was recently presented as a factor possibly connected with the Hitra disease. The need of fish for these nutrients is different from that of terrestrial animals, and therefore experiences gained with domestic animals cannot be transferred directly. Fish, therefore, must be studied independently. This article summarizes today's knowledge of selenium as a necessary trace element in the diet of fish, in view of what is known about selenium metabolism in mammals.

• CA CF FI LS SC

### A Self-evaluation guide to starting a business of your own, stage 1 : assessing your potential for an entrepreneurial career

Winnipeg : Manitoba Industry, Trade and Tourism, 1989. 27 p. MICROLOG 90-03421 1 fiche

This document introduces the concept of entrepreneurship and gives some idea of what is required to be successful as an entrepreneur. It provides an opportunity to self-assess personal attitudes and attributes and see how they compare with "practising" entrepreneurs. It also presents a method for evaluating managerial and administrative skills, and for determining financial capacity.

CO MS PR

### A Self-evaluation guide to starting a business of your own, stage 2 : finding and evaluating a product or service idea

Winnipeg : Manitoba Industry, Trade and Tourism, 1989. 23 p. MICROLOG 90-03420 1 fiche

Describes a number of sources from which to obtain ideas for a prospective new venture, and presents a variety of techniques that can be used to evaluate the conceptual, technical and financial aspects of the business idea.

CO MS PR

### A Self-evaluation guide to starting a business of your own, stage 3 : should you start a new business or buy an existing one?

Winnipeg : Manitoba Industry, Trade and Tourism, 1989. 23 p. MICROLOG 90-03419 1 fiche

This publication discusses how to find a business to buy, important factors to consider, how to determine an appropriate price to pay for a business, and the advantages and disadvantages of buying an existing business. It also includes a checklist for business acquisitions.

CO MS PR



**Selkirk Township**

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 18 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 563) Fold maps not filmed. MICROLOG 90-04572 1 fiche

Geological data inventory for Selkirk Township, including a checklist of data sources, a reference list of mineral commodities, mineral occurrences, type of exploration work done and by whom, topographical maps available, results of an OGS/ODM general index search, and selected references. NR ON PR SC

**Semi-intensive lobster cultivation : transfer of technology from experimental production to pre-commercial production**

by P. Fradette, M. Coté and L. D'Amours. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 122 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5319) Originally published in French. ISSN 0704-3716 MICROLOG 90-02108 2 fiche

A suspended floating system for the semi-intensive cultivation of lobsters of commercial size was designed in 1983 and brought encouraging results. This report covers the development of the suspended floating system and its trial use on a pre-commercial basis, the time required for the various operations and the number of personnel needed, and the capacity of the system. A biological follow-up was conducted, along with an economic feasibility study for a firm engaging in the semi-intensive cultivation of lobsters. Various technological and biological improvements are proposed to enable such a firm to become economically viable. • CA CF FI SC

**Séminaire scientifique sur les tendances migratoires actuelles et l'insertion des migrants dans les pays de la francophonie : actes**

Séminaire scientifique sur les tendances migratoires actuelles et l'insertion des migrants dans les pays de la francophonie (1987 : Montréal, Québec). Montréal : Gouvernement du Québec, Ministère des communautés culturelles et de l'immigration, 1989. 409 p. : ill. Bibliogr. ISBN 2-551-08404-0 MICROLOG 90-02633 5 fiche

Le contenu de cette publication a été réalisé par les conférenciers qui ont participé au Séminaire scientifique sur les tendances migratoires actuelles et l'insertion des migrants dans les pays de la francophonie et par le ministère des Communautés culturelles et de l'immigration. Le document porte sur les tendances migratoires récentes dans les pays de la francophonie et l'insertion des migrants dans les pays de la francophonie: l'Europe migratoire, l'Afrique subsaharienne, l'Afrique du Nord et le Moyen-Orient, les Caraïbes, le Canada, et le Québec, et, les bilans et les perspectives bilans régionaux et bilan de la francophonie. CU EX PR QU

**Seminar on Information Technology and Innovation : copy of speakers' presentations/slides**

Ottawa : Environment Canada, 1989. 284 p. : ill. MICROLOG 90-02439 3 fiche

Speakers' presentations and slides on the use of departmental office technology in office management throughout Environment Canada.

Presentations also cover the use of microcomputers and other office technology by senior managers and by the regional offices. CA EV PS SC

**Semitrailer liftable axles**

a cooperative project between Transportation Development Centre, Transport Canada, Ministère des transports du Québec [and] Ontario Ministry of Transportation. Montreal : Transport Canada, Transportation Development Centre ; Quebec : Ministère des transports ; Toronto : Ministry of Transportation, 1990. 17, 19 p. Bilingual (Essieux relevables...). MICROLOG 90-07203 1 fiche

The heavy vehicle fleet in Quebec and Ontario includes semitrailers fitted with multiple axle units to permit carriage of very heavy loads. Flexible axles are installed on these vehicles so that when lifted they reduce tire side forces during turning movements and minimize damage to suspension, tires, and vehicle frame and improve maneuverability. While Ontario, Quebec, some Maritime provinces and B.C. tolerate liftable axles, studies indicate that they have major shortcomings in stability, produce a modest increase in pavement damage, and when misused, produce heavy damage to the roadway. This project was conducted to develop, test and demonstrate improved liftable axles for highway heavy vehicles that incorporate lift and load control devices for maintenance of constant axle load to reduce road wear and maintain allowable lift axle payload while improving self-steering capabilities to enhance vehicle handling and stability through improved turning ability. CA ON PS QU SC TR

**Senate reform**

by L. Massicotte and F. Coulombe. Ottawa : Library of Parliament, Research Branch, 1988. 42 p. Bibliogr. (Backgrounders ; BP-96E) French ed. (*La Réforme du Sénat*) on the same fiche. ISBN 0-660-13285-0 MICROLOG 90-01919 1 fiche

The commitment in the 1987 Constitutional Accord to put Senate reform on the agenda of yearly constitutional conferences, and the growing support in some quarters for an elected Senate, have rekindled the long-standing debate on the future of the upper chamber of the Canadian Parliament. The purpose of this paper is to take stock of this question. CA CI JU PA

**Sensibilité des lacs de l'Ontario aux dépôts acides, 1989**

Toronto : Environnement Ontario, 1990. 30 p. Bilingue (*Acid sensitivity of lakes...*). CSI 55133.002. ISSN 0833-546X MICROLOG 90-05750 1 fiche

Il existe plus de 250 000 lacs en Ontario. D'après une étude récente, au moins 19 000 d'entre eux sont atteints par les pluies acides, notamment dans la région de Muskoka-Haliburton, grande région de tourisme et de villégiature. La plupart des lacs ont la capacité de neutraliser une certaine quantité d'acide. Cette capacité se mesure au degré d'alcalinité découlant de la présence de bicarbonate dans l'eau. Si un lac a un degré élevé d'alcalinité, il peut résister aux arrivées d'acides, et donc ne pas changer de pH. Par contre, on peut observer des baisses de pH dans les lacs à faible degré d'alcalinité à l'époque de la fonte des neiges ou lors de pluies abondantes, qui provoquent des arrivées d'acides considérables dans les lacs. Ce document étudie la question des dépôts acides dans les lacs. EV ON PR SC

**Sensory analysis of fish protein concentrate**

by T. Gjelsen and K. Eikre. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988.

5 p. (Canadian translation of fisheries and aquatic sciences ; no. 5395) Originally published in Norwegian. ISSN 0704-3716 MICROLOG 90-01545 1 fiche

Experiences based on the use of Norwegian fish protein concentrate (FPC) for human consumption indicate that its properties (taste, odour, etc.) require modification and that a standardization of deliveries to each market must be carried out. Four fish species as well as press cake and whole meal were compared, as well as 2 samples of FPC from the same batch after 8 months storage in Norway and the Philippines. • CA CF FI SC

**Sentencing Now and in the Future : summary of proceedings**

Sentencing Now and in the Future (1989 : Halifax, N.S.). Halifax : Dept. of the Attorney General ; Dept. of the Solicitor General, 1989. 228 p. Bibliogr. MICROLOG 90-01315 3 fiche

A two day seminar sponsored by the Nova Scotia Departments of Attorney General and Solicitor General, was convened at the Hotel Nova Scotia on March 3 and 4, 1989. Approximately 200 registered delegates from all sectors of the criminal justice system attended. This document provides a brief summary of the papers presented during this seminar, and an overview of the discussion which took place following each of six panel presentations. AP JU PR

**Separation of Atlantic herring stocks in the southern Gulf of St. Lawrence using digitized otolith morphometrics and discriminant function analysis**

by S.N. Messieh, C. MacDougall and R.R. Claylor. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 22 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1647) ISSN 0706-6457 MICROLOG 90-02624 1 fiche

The identification of Atlantic herring stocks inhabiting both sides of the northern Atlantic has been the subject of numerous investigations for many years. In more recent years, the discreteness of the spring and autumn herring populations in the Gulf of St. Lawrence was established, a separation important for delineating proper fishery management units. Otolith characteristics, such as shape and first year's growth, were used in both the Gulf and Newfoundland regions, but the method used requires well-trained technicians and was criticized because of its subjectivity. A semi-automated microcomputer-based measuring system was developed for otolith measurements in the Gulf region to eliminate such subjectivity. The method uses a microscope with a drawing tube and a digitizer interfaced to a personal computer which analyzes the digitized otolith measurements using software packages. This report presents results using this system to separate herring spawning groups by otolith morphometrics. • AP CA CF FI LS SC

**Separation of sulphurous compounds in synthetic crude fraction -- Rev.**

Calgary, Alta. : Geotechnical Resources Ltd., 1990. 201 p. : ill. Bibliogr. CANMET contract: 59136-01-SQ MICROLOG 90-05644 3 fiche

Report on the selection of 10 organosulphur compounds representative of the sulphurous constituents of crude oil, the development of gas chromatographic methodology for the separation and quantitation of these compounds in a toluene matrix, and the evaluation of a variety of sorbents for their efficiency in removing the sulphurous constituents from a synthetic crude oil mixture. Sorbents which were evaluated include zeolites, activated



carbon, clay minerals, cation exchange resins, anion exchange resins and organoselective adsorption resins. Cation exchangers including zeolites, clays and resins were evaluated using a variety of metals as the exchangeable cation. Sorbents were also characterized for surface area and elemental composition where applicable.

• CA CM EN PS SC

### Septième atelier sur la grande faune : compte rendu

édité par Laurier Breton. Québec : Gouvernement du Québec, Ministère du loisir, de la chasse et de la pêche, Direction de la gestion des espèces et des habitats, 1989. xiii, 295 p. : ill. Sur la couv.: Document de régie interne.

MICROLOG 90-02852 4 fiche

Le compte rendu du septième atelier sur la grande faune est publié sous la gouverne de la Direction de la gestion des espèces et des habitats, qui assure la coordination de cette rencontre en collaboration avec la Direction générale des opérations régionales. Le présent document regroupe les résumés de l'ensemble des présentations qui s'y sont déroulées. Il aborde particulièrement les sujets suivants: les dossiers d'actualité; l'interprétation des statistiques de chasse et les résultats des inventaires aériens; et, les présentations scientifiques.

EV LS PR QU SC

### Sequential spatial equilibria under incomplete information

by M. Boyer...et al. Montréal : Université de Montréal, Centre de recherche sur les transports, 1990. 74 p. : ill. Bibliogr. (Publication ; no. 691) (Cahier ; 9011)

MICROLOG 90-06427 1 fiche

This paper studies a model of spatial duopoly competition with sequential entry on a segment in the choice of locations (stage 1 of the game) and then simultaneous Bertrand competition in delivered prices (stage 2). The second mover at stage one has incomplete information on the marginal cost (high or low) of the first mover. A classical model of signalling in which there exists natural constraints of the range of possible signals is obtained. The analysis is focused on the identification and characterization of perfect Bayesian equilibria robust to various refinement criteria (the intuitive criterion and D1) when the constraints on signalling are tight.

PR PS QU SC TR

### Service canadien de la faune : Rapport annuel 1987-88

Hull, Québec : le Service, 1988. 65, 59 p. Bilingue. CSI 22210.001.

MICROLOG 90-00548 2 fiche

Le Service canadien de la faune (SCF) fait partie du ministère fédéral de l'Environnement. Son mandat de protection et de gestion des oiseaux migrateurs prévoit, entre autres, l'établissement de règlements, la gestion des habitats et le soutien de la recherche et des inventaires. Avec l'aide des provinces et des territoires, le SCF entreprend des programmes de recherche et de gestion concernant d'autres espèces fauniques d'intérêt national et agit comme conseiller auprès d'autres organismes fédéraux. Ce rapport donne le résumé des ententes et des programmes internationaux sur la conservation de la faune.

CA EV SC

### Service centre study

by W.K.D. Davies. Edmonton : Alberta Municipal Affairs, 1979. 175 p. : maps. Bibliogr.

MICROLOG 90-04820 2 fiche

Study of Alberta towns to define the basic structure of the service centres in terms of economic character and retail-service trade

importance, and to measure the interaction between these centres. The information provides a critical background into the spatial variations of the economy of these towns, as a prelude to analyzing influences which will change the system of towns. This preliminary report concentrates upon the identification of data sources and available research techniques needed to analyze the character of Alberta today. Data sources and their limitations are discussed. The study is based upon the 1971 and 1976 censuses, as well as 1977 telephone call flows through the various areas. The results of the analysis show the spatial variation in economic character of the towns in 1971, the degree of specialization of towns in particular categories of employment, and the relationship between population size, change and economic character.

AL CO PL PR

### Service hydrographique du Canada : Rapport d'activités 1987-88

Ottawa : Ministère des pêches et des océans, Direction générale des communications, 1989. 36, 36 p. : cartes géogr. Bilingue. CSI 22196.001. ISBN 0-662-56508-8

MICROLOG 90-00332 1 fiche

Ce rapport décrit les activités du Service hydrographique du Canada (SHC) pour l'année financière 1987-1988. Les renseignements sont donnés par région (Scotia-fundy, Québec, Centre et Arctique et Pacifique). On y présente également de l'information sur les publications, la Direction du SHC, les cartes publiées en 1987-1988, et une liste des acronymes.

CA CF NR PS SC

### Service improvement

Calgary (Alta.). Calgary, Alta. : The City, 1989. 77 p. : ill.

MICROLOG 90-04863 1 fiche

Report on the progress of service improvements in the various departments of the Calgary municipal government. The program was begun in 1982 and has expanded and been refined to take in both managers and employees in a very successful fashion. This report describes the projects conducted by each of the departments within the municipal government.

AL MU PA PW

### Service industries in regional development

by William J. Coffey and James J. McRae ; with the collaboration of Martine M. Desbois and Mario Polèse. Halifax : Institute for Research on Public Policy, 1989. xxii, 166 p. Bibliogr. ISBN 0-88645-103-5

MICROLOG 90-04263 2 fiche

This document presents a broad empirical picture of the national, regional, and urban structure of the Canadian economy. It identifies the factors which may be causing the relative shift towards employment in service industries and occupations, and shows that the lack of actual data on interregional flows of service outputs effectively precludes the empirical testing of regional general equilibrium models involving service industries. It concludes by bringing forth the regional policy implications embedded in the conceptual and empirical work on service industries.

• CA CO

### Le Service intégré des ressources d'information, SIRI

par L. Carmel et P. Bergeron. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'information du travail, 1988. 11 p. L'éd. anglaise (Integrated service for information...) : 90-04196/1. ISBN 0-662-95153-0

MICROLOG 90-04206 1 fiche

Le Service regroupe des services d'information documentaire et stratégique, de gestion de documents et de bases de données. Ce service vise à satisfaire les besoins d'information de documentation des chercheurs et gestionnaires du Centre canadien de recherche sur l'information du travail (CCRIT) en favorisant la diffusion de l'information auprès de ses différentes clientèles. Ce document se penche sur la question et en donne les points saillants.

CA TE

### The Services agenda

by R. de C. Grey. Halifax : Institute for Research on Public Policy, 1990. xxv, 200 p. Bibliogr. (Essays in international economics) ISSN 0826-4384 ISBN 0-88645-095-0

MICROLOG 90-05967 3 fiche

This study examines the proposal of the United States, and supported by Canada and the EC, that the trading nations should negotiate new international, multilateral rules to control restrictions on trade in services, including services provided by establishments, such as branches or subsidiaries of foreign controlled firms, as well as services sold across frontiers, such as computer services.

• CA CO EX

### Services and facilities of the Alcoholism and Drug Dependency Commission of New Brunswick

by R.A. Alain. Fredericton : The Commission, 1990. 19, 19 p. Bilingue (Services et installations...). CSI 46100.003. ISSN 0843-4344

MICROLOG 90-04127 1 fiche

Describes the various divisions and treatment centres of the Commission. It includes a map of regions, and lists regional offices.

AP PR SA

### Services de santé pour les travailleurs canadiens : répertoire commenté des organismes externes

par E. Counter. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1987. i, 27 p. Bibliogr. ISBN 0-660-92382-3

MICROLOG 90-01080 1 fiche

Dans le but de répondre aux demandes de renseignement qu'on lui adresse concernant les services de santé, le Centre canadien d'hygiène et de sécurité au travail a cherché à dresser une liste des organismes qui oeuvrent dans ce domaine en dehors des lieux de travail au Canada. Le présent répertoire décrit ces organismes et comprend un résumé des réponses qu'ils ont données au questionnaire qu'on leur a adressé.

• CA HE LA

### Services dispensés aux personnes âgées atteintes de troubles mentaux dans les établissements de soins prolongés : guide

voir Guide pour l'établissement de normes régissant les services dispensés aux personnes âgées atteintes de troubles mentaux dans les établissements de soins prolongés : guide

### Services et installations de la Commission de l'alcoolisme et de la pharmacodépendance du Nouveau-Brunswick

par R.A. Alain. Fredericton : la Commission, 1990. 19, 19 p. Bilingue (Services and facilities...). CSI 46100.003. ISSN 0843-4344

MICROLOG 90-04127 1 fiche

Décrit les différentes divisions et centres de traitement de la Commission. Inclut également une carte des régions et dresse la liste des bureaux régionaux.

AP PR SA



### Les Services gériatriques dispensés dans les hôpitaux de soins actifs : guide

voir Guide pour l'établissement de normes régissant les services gériatriques dispensés dans les hôpitaux de soins actifs : guide

### Services to elderly residents with mental health problems in long-term care facilities : guidelines

see Guidelines for establishing standards for services to elderly residents with mental health problems in long-term care facilities : guidelines

### Sesame diseases : an annotated bibliography from the 1900-88 literature

compil. G.S. Saharan. Ottawa : International Development Research Centre, 1989. vi, 75 p. (Manuscript report ; 227e)  
MICROLOG 90-00254 1 fiche (Available on fiche only)

Sesame is the subsistence crop for most farmers in East Africa and South Asia and sesame research support was included in projects in Egypt, Sudan, Ethiopia and India. This bibliography provides current information in sesame diseases and contains 680 citations dating from 1903-88, with annotations. Citations are arranged alphabetically within the categories of types of disease. Indices are provided for author, pathogen, disease, and subject  
AG CA SC

### Settlement and development trends in the R.M. of Ste. Anne : background report to the development plan

Manitoba. Municipal Planning Branch. Steinbach, Man. : The Branch, 1989. ii, 43 p. : ill., maps. *Fold. maps not filmed.*  
MICROLOG 90-07183 1 fiche

The Rural Municipality of Ste. Anne is one of the fastest growing municipalities in the south-eastern region of the province due to population pressure from the City of Winnipeg and the Town of Steinbach. In 1979 the municipality began a planning process which was never adopted. This background study is the first step in the second round of the process, 10 years later. The study provides a description of the rural area, its location and political structure, physiographic features, demographics and school enrollment; rural land use and development trends, settlement centres, including Richer, Giroux and Greenland; and the state of municipal finance.  
MS PL PR SC

### The Settlement of Ethiopian refugees in Toronto : an exploratory study, research abstract

by G. Neuwirth. Ottawa : Employment and Immigration Canada, Immigration, 1989. 6, 6 p. *Bilingual (Etablissement des réfugiés éthiopiens...)*. ISBN 0-662-57119-3  
MICROLOG 90-03240 1 fiche

This pilot study explores some of the difficulties which refugees from Ethiopia have experienced in their settlement and adaptation. The study focuses primarily on the linguistic, economic and social dimensions of adaptation.  
• CA CI EX SA

### The Settlement of Salvadoran refugees in Ottawa and Toronto : an exploratory study, research abstract

by G. Neuwirth. Ottawa : Employment and Immigration Canada, Immigration, 1989. 8, 8 p. *Bilingual (Etablissement des réfugiés...)*. ISBN 0-662-57120-7  
MICROLOG 90-03239 1 fiche

This pilot study explores some of the difficulties which refugees from El Salvador have experienced in their settlement and adaptation.

The study focuses primarily on the linguistic, economic and social dimensions of adaptation.  
• CA CI EX SA

### Seventeenth annual Conference of the New England Governors and the Eastern Canadian Premiers

Montebello, Que. : Canadian Intergovernmental Conference Secretariat, 1989. 16 p.  
MICROLOG 90-04278 1 fiche

The Conference of New England Governors and Eastern Canadian Premiers is an international organization unique in North America. It has four components: the Annual Conference itself, the Coordinating Committee, the New England Governors' Conference and the Eastern Canadian Secretariat. This document gives an overview to the conference structure, the committees, and the main issues of the 17th annual conference. An organization chart is included.  
• CA EV EX

### Severn River Provincial Park interim management statement

Sioux Lookout, Ont. : Ministry of Natural Resources, Sioux Lookout District Office, 1989. 14 p. : ill.  
MICROLOG 90-00938 1 fiche

Interim management statement to identify the park values which are to be protected; the resource management prescriptions necessary to protect these values; and the restrictions on use of the natural resources within the park. A description of the geology of the area is also included.  
CU ON PR

### Severn Sound remedial action plan, part I : environmental conditions and problem definition -- Rev.

Toronto : Environment Ontario ; Ministry of Natural Resources, Huronia District ; Ministry of Agriculture and Food ; Ottawa : Environment Canada, 1988. 125 p. : ill., maps. Bibliogr. ISBN 0-7729-4702-3  
MICROLOG 90-03945 2 fiche

The Severn Sound is a complex of shallow bays in the southeast part of Georgian Bay which presently supports a warmwater and a migratory coldwater fishery. Shoreline development includes the towns of Midland and Penetanguishene, as well as rural land and cottages. Excessive algal growth in Severn Sound, particularly in Penetang Bay, has been of public concern since the mid 1960s and has severely affected recreational enjoyment of the area. A remedial action plan was to be developed for the U.S./Canada International Joint Commission. This report forms the basis of the Stage I submission and the basic technical summary for the public involvement program initiated May 1988. The report includes a description of the water and land use of the area, the environmental conditions including contaminants and biomonitoring, the potential sources of contamination, specific concerns, and agency goals and objectives.  
EV ON PR SC

### Sex differentiation in fishes

by G.M. Persov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 129 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5385) *Originally published in Russian, by Leningrad University Press, at Leningrad, U.S.S.R.* ISSN 0704-3716  
MICROLOG 90-01516 2 fiche

Report on sex differentiation in fish, covering development of the gonads during the first period after their differentiation, the formation of individual fecundity during early gametogenesis and the early period of gametogenesis under conditions of ionizing radiation. An extensive

bibliography in English and Russian is included.  
• CA CF FI LS SC

### Sex sorting of herring

by R. Richardsen and K.O. Petterson. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 63 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5471) *Originally published in Norwegian, by FTFI, Fisheries Technology Research Institute at Tromsø, Norway.* ISSN 0704-3716  
MICROLOG 90-00596 1 fiche

Summary of the development of prototype electronics and mechanics for sex sorting of herring. The report describes the electronics plus mechanical equipment of manual sorting, sorting on a conveyor belt, and sorting using fully automatic filleting machines. The equipment would be used to sort herring for the production of herring roe.  
• CA CF FI LS SC

### The Sexual cycles of fish in a study of the structure of a species and the functional structure of the range

by Y.I. Alekseeva and F.Y. Alekseev. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 15 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5402) *Originally published in Russian, in the U.S.S.R.* ISSN 0704-3716  
MICROLOG 90-01541 1 fiche

Results of the individual aspects of the reproductive physiology of bigeye tuna and striped tuna of the eastern-tropical Atlantic, rock grenadier of the north Atlantic ridge, south-Atlantic grenadier of the Falkland-Patagonian region, red snapper of the Atlantic Ocean and black scabbard of the north Atlantic. The study used the sexual cycles as a criterion for assessing the degree of divergence in the reproductive cycles, with the sexual cycle taken to mean the changes in the state of the gonads of sexually mature individuals from the end of the previous spawning to the end of the next spawning. The sexual cycles were reconstructed on the basis of preliminary research on the distinctive features of the formation of expendable supply of oocytes, the nature of vitellogenesis and the type of spawning. The material was collected from 1970-82. Visual determinations of the state of the gonads were analyzed for more than 100,000 specimens, the ovaries of 600 individuals were analyzed histologically, and the size distributions of yellow oocytes were determined in the ovaries of 110 females.  
• CA CF FI LS SC

### Sexually transmitted diseases, human immunodeficiency virus infections : annual statistical report, 1988

Winnipeg : Manitoba Health, Communicable Disease Control, 1989. 43 p. : ill. CSI 42220 002  
MICROLOG 90-01300 1 fiche

Provides information on cases of reported infection, including AIDS. It only includes cases which have been laboratory confirmed and reported to the STD control office by diagnosticians.  
CI HE MS PR ST

### Shaftsbury Jct to Bayview Jct thermal resistivity survey for existing 115kV LPOF cables

by H.S. Radhakrishna. Toronto : Ontario Hydro, Research Division, 1989. 23 p. : ill. (Report ; no. 89-143-K)  
MICROLOG 90-01176 1 fiche

A soil thermal resistivity survey was carried out for the existing 115 kV LPOF U/G cables between Shaftsbury Junction and Bayview Junction from April 4-7, 1989 to establish the



cable loading limitation and possible need for replacing this 35-year-old system. Six test pits were excavated at locations selected on the basis of the results of an earlier thermal resistivity survey done along this cable route in 1961. This report gives the results of the survey, as well as the results of the 1961 survey.  
EN ON PR PS SC

### Shallow ice borehole logger and deployment system

by M.N. Demuth, G. Holdsworth and R. Brancker. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 21 p. : ill. Bibliogr. (NHRI contribution ; no. 88018) ISSN 0838-1992  
MICROLOG 90-02386 1 fiche

An improved shallow ice-borehole logging system was developed to complement the ice-core drilling activities associated with the Climate Change and Ice-Core Chemistry projects. The system is capable of logging dry boreholes up to 200 m deep and may be easily transported and assembled by its 2 operators. A number of geometric and physical parameters are measured for use in studies of glacier ice rheology and deformation. The significance of conducting glacier deformation measurements in conjunction with core retrieval is summarized with special reference to climate change research.  
CA EV PS SC

### Sharron Lake area

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 13 p. : fold. maps. (Geological data inventory folio ; GDIF 481)  
MICROLOG 90-00705 2 fiche

Geological data inventory for Sharron Lake area, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical surveys, aerial photos and topographical maps available, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

### Shortest path algorithms : a computational study with the C programming language

by J.-F. Mondou, T.G. Crainic and S. Nguyen. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 33 p. : ill. Bibliogr. (Publication ; no. 676)  
MICROLOG 90-03005 1 fiche

Shortest path algorithms play a central and capital role in network analysis, transportation planning, telecommunications, and computer science. A large number of problems may be formulated as shortest path models and the solution of an even larger set of problems requires that shortest path problems be solved repeatedly as subproblems. Speed is therefore very important. This paper analyzes the performance of algorithms for calculating the shortest paths from one node to all other nodes in a directed network, when they are correctly coded in C programming language. Computer implementations are suggested that take full advantage of the capabilities of this programming language, and are then compared to traditional implementations. Eight algorithms are selected as most efficient, including redistributive heap algorithm due to Ahuja et al. (1988).  
PR PS QU SC TR

### SIDA : un résumé des risques sur le plan professionnel -- 2e éd.

par R. Bertolini. Hamilton, Ont. : Centre

canadien d'hygiène et de sécurité au travail, 1989. i, 10 p. Bibliogr. ISBN 0-660-92755-1  
MICROLOG 90-02176 1 fiche

Le SIDA est une affection qui se caractérise par un affaiblissement du mécanisme de contrôle des infections de l'organisme à un point tel que celui-ci devient particulièrement vulnérable à une foule de maladies. Le SIDA se transmet à partir des liquides organiques d'un sujet infecté, comme le sang, le sperme ou d'autres sécrétions corporelles renfermant du sang. Ces liquides organiques peuvent, par conséquent, présenter un risque de transmission de l'affection aux individus qui y sont exposés de par la nature de leur travail. Ce document fait la lumière sur cette affection.  
● CA HE LA LS SC

### Sidbec-Dosco Inc. : Rapport annuel 1989

Montréal : la Corporation, 1990. 32 p. : ill. CSI 67309 001. ISSN 0838-4738 ISBN 2-550-20603-7  
MICROLOG 90-07347 1 fiche

Au mois de septembre, le Conseil d'administration a approuvé le plan stratégique de la compagnie pour la période 1989-1993. Ce plan stratégique est le fruit d'un travail intensif de la part de la direction et du Conseil d'administration au cours des six mois précédents. Le plan vise en autres à utiliser pleinement les capacités des aciéries et à tirer avantage des caractéristiques particulières de l'entreprise, et notamment de sa filière technologique (aciérie électrique utilisant du prééduit), lui permettant d'améliorer constamment sa gamme de produits. Ce document présente le rapport annuel de Sidbec-Dosco, ainsi que ses états financiers pour l'année 1989.  
PR PS QU SC

### Siding problems

developed in consultation with the Canadian Home Builders' Association. Ottawa : Canada Mortgage and Housing Corporation, 1988. iv, 20 p. : ill. (Builders' series)  
MICROLOG 90-01020 1 fiche

Siding problems occur when one or more of the following situations exist: the wall is leaking, the siding materials are deteriorating, the siding materials are moving or shifting to an unacceptable extent; the shape of the material is changing; or the siding has an unsightly appearance. This publication provides a diagnosis of each common siding problem, with causes and solutions for each case.  
CA PL SC

### Signaux de fumée

rédité par Henrik B.A. Andersen. Ottawa : Comité canadien de gestion des feux de forêts, 1987. 46 p. : ill. Bibliogr. L'éd. anglaise (Smoke signals) : 90-03935/1.  
MICROLOG 90-03915 1 fiche

Le Sous-comité inter-organismes de l'équipement des feux de forêt du Comité canadien de gestion des feux de forêt et du Conseil national de recherches publie périodiquement un numéro de Signaux de fumée qui décrit des équipements et des produits intéressants pour le personnel de la gestion des feux de forêt. De plus, ce bulletin accroît les communications entre les organismes canadiens de la gestion des feux de forêt. Le succès de Signaux de fumée repose sur les renseignements qui sont fournis par les membres du sous-comité de l'équipement, le personnel des organismes de gestion des feux et de recherches et les manufacturiers d'équipement ou de produits sur les feux de forêt.  
CA FO SC

### Significant discoveries offshore Newfoundland and Labrador

St. John's : Dept. of Energy, 1988. 48 p. : ill. CSI 48121.200.  
MICROLOG 90-03588 1 fiche

Report providing information regarding oil and gas discoveries offshore Newfoundland and Labrador, including a brief discussion of the geology and commercial potential of each discovery, a table of drillstem test results, a generalized geologic cross-section and a fact sheet pertaining to the discovery well. Flow rates for liquids (including oil, condensate and formation water) are given in barrels per day while natural gas rates are quoted in millions of cubic feet per day.  
AP EN PR SC ST

### Silicified upper ordovician-lower silurian ostracodes from the Avalanche Lake area, southwestern District of Mackenzie

by M.J. Copeland. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 100 p. : ill. Bibliogr. (Bulletin ; 341) ISBN 0-660-13280-X  
MICROLOG 90-01147 2 fiche

Description of a silicified ostracode fauna from platform carbonates of the Whittaker and Delorme formations of the Selwyn Basin. Fourteen new genera and 45 new species are described, with a total of more than 120 taxonomic combinations reported.  
CA NO NR PS SC

### Sillery (Québec) : Rapport financier 1989

Québec : Gouvernement du Québec, Ministère des affaires municipales, 1990. 61 p. CSI 66115 008  
MICROLOG 90-05104 1 fiche

Ce document présente les états financiers de la ville de Sillery (Québec) pour l'exercice se terminant le 31 décembre 1989. Il contient le rapport du vérificateur, les bilans financiers, l'état de l'actif à long terme, l'état de la dette à long terme, l'état de la continuité du surplus affecté et libre, l'état des recettes et dépenses du fonds d'administration et des notes afférentes aux états financiers.  
MU PA QU

### Silt curtains to control sediment movement on construction sites

by N. Kouwen. Ottawa : Ministry of Transportation, Research and Development Branch, 1990. iii, 30 p. : ill. Bibliogr.  
MICROLOG 90-05945 1 fiche

Public awareness of the detrimental effects of adding many substances to the natural environment has increased dramatically during the last 2 decades. One form of contamination is the transport of sediments into lakes and rivers during underwater construction. This report deals with the use of silt curtains to contain such contamination. The report presents the results on the subject of silt curtains, a hydraulic analysis of their use, and recommendations for their design and for further research.  
AG EV ON PR SC

### Silt fences to control sediment movement on construction sites

by N. Kouwen. Toronto : Ministry of Transportation, Research and Development Branch, 1990. iv, 63 p. : ill. Bibliogr.  
MICROLOG 90-05944 1 fiche

Environmental concerns about erosion control at construction sites are gradually rising. While there is well-developed literature on silt control, the methods often fail. This study was undertaken to investigate the reasons for failure and to provide some recommendations for the improvement of current practices. Through a



series of laboratory tests, various commonly used silt barrier materials were subjected to a sediment laden flow. This report explores the hydraulic behaviour of silt fences and presents the results of the laboratory tests.  
AG EV ON PR SC

# **A Silvicultural guide for the white pine and red pine working groups in Ontario**

Ontario. Forest Resources Group. Toronto. Ministry of Natural Resources, 1989. x, 102 p. : ill. Bibliogr. (Science and technology series ; v. 6) ISSN 0228-5754 ISBN 0-7729-5979-X  
MICROLOG 90-04255 2 fiche

This silvicultural guide is one of several, each of which provides a description of the silvicultural characteristics of the working group species and describes silvicultural practices for the working group. The guide reflects relevant literature and research, and the knowledge and experience of forestry staff in the management of the working group in Ontario and elsewhere. The guide covers the range and commercial importance of white pine and red spruce, siting, and wildlife and environmental considerations. Management prescriptions include such silvicultural systems as shelterwood and clear cut systems, harvesting considerations, forest renewal, stand maintenance, conversion and management intensity. Data is also given on the age-class distribution, historical harvest, average roundwood receipts, and biological rotation ages.  
FO ON PR SC ST

# **A Simple model for calculating residential 60 Hz magnetic fields**

Toronto : Ontario Hydro, Research Division, 1990. 19 p. : ill. (Report ; no. 90-59-K)  
MICROLOG 90-06092 1 fiche

A hypothesis that 60 Hz magnetic fields may have health effects was raised by epidemiological studies which showed an association between the incidence of childhood leukemia and adult cancer and residence in proximity to electricity distribution wiring. This paper presents a simple model which permits calculation of the magnetic field at all points in a house from only a few measurements. The model was tested in 24 houses with a comparison of observed and predicted fields over a 24-hour period in each house. One house was investigated in greater detail with a comparison of observed and predicted fields in each room. In addition, data were collected for one week in this house to determine the time period over which measurements should be made to avoid temporal variability in the results. Finally, the model is applied to a theoretical study of field variations in this house.  
EN ON PR PS SC

# **Simple two-step sediment extraction procedure for use in genotoxicity and toxicity bioassays**

by K.K. Kwan and B.J. Dutka. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 16 p. Bibliogr. (NWRI contribution ; 89-157)  
MICROLOG 90-02446 1 fiche

Procedures for the extraction of sediments for toxicity and genotoxicity studies are becoming increasingly complicated, time consuming and expensive. This study evaluates 3 very simple, quick and inexpensive sediment extracting procedures, using Milli-Q water, DMSO and methanol and applying them to 16 sediment samples collected from the Thames River, London, Ontario. The 3 extracts were tested for the presence of toxicity and genotoxicity using the Microtox, Toxi-Chromotest and Mutatox (with and without S-9) procedures.  
CA EV ON SC

# **A Simplified procedure for determination of metallothionein in animal tissues**

by S. Onosaka...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 11 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5344) Originally published in Japanese, by the Journal of Hygenic Chemistry, in Japan. ISSN 0704-3716  
MICROLOG 90-01478 1 fiche

As contamination of the environment by heavy metals such as cadmium and mercury is becoming an increasingly serious problem, there is concern over the behaviour of these metals inside the body, demonstrated to mainly combine with micromolecular proteins rich in SH groups such as metallothionein (MT). As the administration of these heavy metals induces the biosynthesis of MT and as the cadmium bound to MT does not decrease the enzymatic activity, it appears that this protein inhibits the toxic action caused by the heavy metals. It was also reported that cadmium administered in the form of MT causes more kidney disorder than when administered as free cadmium. This paper provides a detailed examination of these theories.

• CA CF FI LS SC

# **Simulation model for the food fisheries**

by S.W. Wallace, T. Helgason and N. Midjo. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 9 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5445) Originally published in Norwegian. ISSN 0704-3716  
MICROLOG 90-00626 1 fiche

Results from a preliminary project to evaluate an Icelandic model for food fisheries and to decide to what extent this model could be adapted to Norwegian conditions. The report suggests how such a simulation model should be organized and describes which data should be used for Norwegian conditions.

• CA CF FI SC

# **Simulation, formation et expérimentation en planification/gestion du transport routier de marchandises**

par C. Lardinois, T.G. Crainic et M. Gendreau. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 16 p. Bibliogr. (Publication ; no. 660)  
MICROLOG 90-01428 1 fiche

Ce document présente le travail en cours concernant le développement de SIMTRUCK, un simulateur d'entreprises de transport routier de marchandises conçu sur micro-ordinateur, sous la forme d'un jeu de planification/gestion, pour la formation et l'expérimentation dans le domaine concerné. La présentation est divisée en deux parties. Dans la première, on décrit le fonctionnement général et les principales composantes du simulateur pour le traitement de différentes 'situation de jeu' avec différents niveaux de complexité. La seconde partie est consacrée à la présentation plus détaillée d'une 'situation' où l'utilisateur de SIMTRUCK est confronté à des problèmes d'analyse et de prise de décision au niveau de la planification tactique dans une entreprise de camionnage (design du réseau de services et 'routing' des marchandises).  
PR QU SC TR

# **The Single European market, 1992 : a bibliography**

by D. Milne. Ottawa : Dept. of External Affairs, 1989. 25 p. Bilingual (Le Marché unique...). MICROLOG 90-03944 1 fiche

The bibliography lists publications of the Commission of the European Communities, documents, books, and articles.  
CA CO EX

# **SINSS ice navigation console, phase II : console implementation and bridge upgrade : final report**

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by Charles Gauthier. Ottawa : Canarctic Shipping Company Limited, 1989. xiii, 97 p. : ill. Bibliogr. MICROLOG 90-04082 2 fiche

Description of the implementation of the SINSS and navigation consoles, and the upgrade of the bridge of the M.V. Arctic, following their initial design in Phase I. The navigation consoles and the SINSS console were made in Canada in 1988 and installed at the Malta drydock in January and February 1989 during a scheduled drydocking. In addition to the replacement of the bridge consoles and the rearrangement of the layout of the bridge, an information display system was developed to assist the navigators at the wing consoles. Modifications were required to the resident instrumentation system to allow the transfer of information to the wing console information display system. An interface was developed from the IBM PC compatible system to the resident Hewlett Packard system.  
CA PS SC TR

# **Site characteristics and landsliding in forested and clearcut terrain, Queen Charlotte Islands, B.C.**

by K.M. Rood. Victoria : Ministry of Forests and Lands, 1990. viii, 46 p. : ill. Bibliogr. (Land management report ; no. 64) ISSN 0702-9861 ISBN 0-7718-8900-3  
MICROLOG 90-03817 1 fiche

Examination of the effect of site characteristics on landsliding rates for clearcut sites, clearcut areas, and forested drainage areas. A landslide inventory of 1,337 forested and clearcut debris slides and debris flows was taken, along with measurements of watershed physiography for forested basins and a 100-m grid sample of clearcut site characteristics.  
BC FO PR SC

# **Site index curves for hardwoods in Nova Scotia**

Truro, N.S. : Dept. of Lands and Forests, 1987. 7 p. : ill. Bibliogr. (Forest research report ; no. 1)  
MICROLOG 90-02221 1 fiche

Hardwood stands and hardwood/softwood stands cover 55% of the total forested area in Nova Scotia and account for 38% of Nova Scotia's total growing stock. It is essential that information be available on site quality and its relationship to hardwood growth and yield. This report summarizes the site index curves used in Nova Scotia, derived from stem analysis data; a simple, sigmoid shaped model to represent the height/age relationship; a weighting procedure that utilized older stands in determining the height/age relationship; and a grouping procedure to give equal representation to as wide a range of sites as represented in the data. Stem analysis was performed on 10 dominant free growing trees taken from each of 94 different stands. Each tree was sectioned every 1.25 m and the growth rings counted in the field.  
AP FO PR SC

# **Site index equations for black spruce and white spruce in the Yukon**

by R.V. Quenel and G.H. Manning. Victoria : Forestry Canada, Pacific and Yukon Region, Pacific Forestry Centre, 1990. iv, 19 p. Bibliogr. (Information report ; BC-X-317)



ISSN 0830-0453 ISBN 0-662-17469-0  
MICROLOG 90-05791 1 fiche

Site index curves are presented for black spruce and white spruce for the Yukon Territory. The procedures follow the 2-stage method of developing site index equations and curves from stem analysis data described in the literature. Linear regressions between site index and decadal height were used to develop candidate transformations and final variables were selected for the site index equations using stepwise linear regression techniques.

• CA FO NO SC

#### Site preparation : a Swedish overview

by G. Orlander, P. Gemmel and J. Hunt. S.I. Forest Resource Development Agreement, 1990. vi, 61 p. : ill., maps. Bibliogr. (FRDA report ; 105) ISSN 0835-0752 ISBN 0-7726-1081-9  
MICROLOG 90-04424 1 fiche

Translation of a Swedish paper on the biological aspects of site preparation. A brief introduction comparing the forestry conditions in B.C. and Sweden was added. The report covers problems concerning reforestation, factors influencing forest production and the effect of site preparation on these factors, including soil temperature, density, moisture, relative humidity, gas exchange in the soil and soil nutrients; causes of mortality, including forest heaving, pine weevil infestation, frost damage, and vegetative competition and the effects of site preparation on these causal agents; site preparation methods and planting without site preparation; stand establishment methods on old fields and peatlands, and site preparation in relation to natural regeneration, sowing, and different stock types.

• BC CA FO PR SC

#### Site preparation affects white spruce seedling performance after 20 years

by W.J. Ball. Edmonton : Forestry Canada, Northwest Region, Northern Forestry Centre, 1990. 8 p. : ill. Bibliogr. (Forest management note ; no. 47) ISSN 0714-1181 ISBN 0-662-17510-7  
MICROLOG 90-05786 1 fiche

Planting in the rough without site preparation has been correlated with poor seedling performance in operational plantations in the prairie provinces. Before herbicides were registered for vegetation control in forest plantations, summer 'straight-blading' was often the prescribed site treatment for both research and operational planting. Earlier trials in 1952 in Manitoba's Riding Mountain National Park on moderately well drained orthic gray luvisols showed that early survival and growth of white spruce could be improved by blading to mineral soil and disking with an Athens plow. Further study was initiated in 1962 in the same general area with the establishment of 3 trials to examine the effects of blading and growth of white spruce transplants. This note discusses the results of the latest remeasurement 21-23 years after planting.

• CA FO MS SC

#### Situation de l'élevage ovin dans les Cantons de l'Est en 1979

par F. Carrier, M. Touchette et J. Dufour. Lennoxville, Québec : Agriculture Canada, Direction générale de la recherche, Station de recherches, 1981. 74 p. Bibliogr. (Bulletin ; 4)  
MICROLOG 90-05310 1 fiche

Le manque de données récentes sur l'industrie ovine des Cantons de l'Est a incité la mise sur pied d'une enquête suggérée par Jacques Dufour, chercheur à la Station de Recherches de Lennoxville, afin de remédier à cette lacune. Par le biais de ce programme, une équipe de six personnes engagée en mai 1979 a rassemblé les renseignements nécessaires

auprès de 95 producteurs ovins de l'Estrie. Ce document en présente les résultats.

• AG CA QU SC

#### La Situation des femmes au sein des administrations municipales de l'Ontario

Toronto : Ministère des affaires municipales, 1989. iii, 99, iii, 98 p. : ill. Bilingue (*Profile of women...*). ISBN 0-7729-6296-0  
MICROLOG 90-03207 3 fiche

Ce rapport sur la condition féminine au sein des administrations municipales s'inscrit dans la ligne de l'engagement du ministère des Affaires municipales envers le principe de l'équité en matière d'emploi. Les données présentées dans ce rapport ont été réunies auprès des municipalités de la province. Le rapport comprend quatre sections: une description du Programme d'équité d'emploi des municipalités du ministère des Affaires municipales; de l'information permettant de situer dans leur contexte cette enquête et la précédente; une analyse de données; et, des tableaux et graphiques qui déploient les données par groupements de population municipale.

LA MU ON PR SA

#### Situation et distribution de la Pie-grièche migratrice dans l'ouest du Canada

par E.S. Telfer...et al. Ottawa : Service canadien de la faune, 1989. 4 p. Bibliogr. (Cahiers de biologie ; no 184) L'éd anglaise (*Status and distribution...*) : 90-01704/1.  
MICROLOG 90-02461 1 fiche

La situation et la distribution des Pies-grièches migratrices dans le sud du Manitoba, de la Saskatchewan et de l'Alberta ont été étudiées au cours de la saison de nidification de 1987. Le document en donne le résumé, les méthodes, et les résultats.

AL CA EV LS MS SC

#### Situation financière des étudiants universitaires et abandon des études

par S.N. Gilbert et M. Auger. Ottawa : Secrétariat d'Etat du Canada, 1988. 35, 33 p. Bibliogr. Bilingue (*Student finances and university...*).  
MICROLOG 90-00039 1 fiche

Ce document identifie une foule de facteurs qui entrent en jeu dans l'accessibilité ou la participation aux études postsecondaires tels que les aptitudes, l'intérêt, la motivation et les résultats scolaires antérieurs. On y aborde particulièrement les sujets suivants: les données existantes, la conception et la méthodologie du projet C.E.A.S.E., les questions clés, les résultats à l'inscription, après deux trimestres, après un an, ainsi que la situation financière des étudiants et les abandons.

CA ED

#### La Situation socio-économique des Québécoises : quelques indicateurs

Québec : Gouvernement du Québec, Ministère du conseil exécutif, Secrétariat à la condition féminine, 1989. 53 p. : ill. Bibliogr. CSI 67207.200. ISBN 2-550-19881-6  
MICROLOG 90-02769 1 fiche

La place grandissante des femmes dans toutes les sphères de notre société, ainsi que les changements dans les rôles des femmes et des hommes ont eu des répercussions importantes. Des chercheurs, des journalistes, des groupes de femmes, des entreprises, des personnes en position de prendre des décisions et des individus intéressés à suivre l'évolution de la situation des femmes ont constamment besoin d'informations et de statistiques sur la situation socio-économique des Québécoises. Ce document se penche sur la participation des femmes au marché du travail, la formation; les emplois occupés; le travail à temps partiel; le chômage; ainsi que les revenus d'emploi,

des familles et de régimes de retraite.  
CO LA PR QU SA ST

#### The Size, structure and economic impact of the converted wood products industry of Newfoundland, 1987

by J.E. Winsor. S.I. : Forest Resource Development Agreement, 1990. vii, 55 p. : ill. Bibliogr. (FRDA report ; 006) ISSN 0840-7673 ISBN 0-662-17710-X  
MICROLOG 90-04479 1 fiche

A census survey of the converted wood products industry of Newfoundland was conducted during the summer of 1988 to collect data to permit an analysis of the current size, structure and economic impact of the industry. The major indicators used include employment, income, value of shipments and value added. The industry was defined using the Standard Industrial Classification System, and a list of 78 firms was compiled using telephone directories and 2 government publications.

• AP CA FO PR SC

#### Skaha hatchery evaluation

by E.A. Parkinson. Victoria : Ministry of Environment and Parks, 1986. 17 p. : ill. Bibliogr. (Fisheries management report ; no. 87) ISSN 0705-5390 ISBN 0-7726-0534-3  
MICROLOG 90-00635 1 fiche

Comparison of growth and survival of hatchery reared kokanee released into Skaha Lake at different sizes and times. Studies in Odell Lake suggested that larger fish produce higher returns and that the optimal time of release is late June. This study tested these results in a more northern lake containing additional species of cyprinids, determined if a size difference between wild and hatchery fish, present at release, would be maintained in subsequent years; and obtained estimates of survival to assess the feasibility of hatchery production of kokanee in this type of lake.

BC FI PR SC

#### Skeena River salmon test fishery, 1987

by L. Jantz, R. Kadowaki and B. Spilsted. Prince Rupert, B.C. : Dept. of Fisheries and Oceans, 1990. iv, 151 p. : ill., maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 804) ISSN 0706-6465  
MICROLOG 90-06631 2 fiche

Gillnet test fishery operations have been conducted at Tye in the lower Skeena River since 1955 to evaluate the magnitude of Skeena River salmon and steelhead trout returns. This report presents information on the program for 1987 and a summary for 1955-76. Daily catch of all salmon species and steelhead trout are detailed by set along with age, sex, and length data. Fishing dates, set times, actual fishing times and tide cycle information are presented. Daily index (catch per hour) calculations are tabulated for all salmon species and steelhead trout. Daily, weekly and cumulative escapement estimates for sockeye and pink salmon are also provided.

• BC CA CF FI

#### Skeleton Lake area structure plan

Edmonton : Alberta Municipal Affairs, 1988. 15 p. : map  
MICROLOG 90-02527 1 fiche

In 1980, following the completion of a detailed lake water quality and lake management study for Skelton Lake, the County of Athabasca and the Summer Village of Mewatha Beach adopted the Skeleton Lake area structure plan to provide goals, objectives and policies which would ensure responsible future management of Skeleton Lake and the surrounding shoreland area. A review of the water quality was conducted in 1987, after which a review of the plan was begun, incorporating the results and



recommendations of the lake water quality study. This document represents the recommendations of the Skeleton Lake area structure plan review committee, outlining a proposed lake management strategy consisting of lake planning goals, objectives and policies. AL PL PR SC

#### Skills Program : Annual report 1988-89

Winnipeg : Manitoba Culture, Heritage and Recreation, 1989. 57 p. : ill. *CSI 41106.005*. MICROLOG 90-04951 1 fiche

The Skills Program was established as a result of a national and provincial study conducted with a variety of not-for-profit organizations in 1982 and 1983. During the course of these studies, organizations identified a need for training and resource materials directed at improving the skills of management volunteers. This document describes the program, the major client groups, programming available, trainer availability, the delivery system, trainer development, and program achievements. Appendices give information on workshop topics available, workshops by client groups for 5 years and by region, and training for trainers workshops available. CI MS PR SA

#### Skinner Lake area

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 35 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 509) *Fold, maps not filmed* MICROLOG 90-05980 1 fiche

Geological data inventory for Skinner Lake area, including a checklist of data sources, references to metals and minerals, mineral occurrences, type of exploration work conducted by company or individual, drillhole summary by company, airborne geophysical survey data, geochemical survey data, topographic maps available, newspaper clippings, results of an ODM general index search, and selected references. NR ON PR PS SC

#### Slate roofing in Canada

by M. Cullen. Ottawa : Parks Canada, National Historic Parks and Sites Branch, 1990. 166 p. : ill., maps. Bibliogr. (Studies in archaeology, architecture and history) ISSN 0821-1027 ISBN 0-660-13445-4 MICROLOG 90-06404 2 fiche

As a roofing material, slate has historically been unparalleled in its combined attributes of permanence and appearance. However, its use is limited because of quarrying sites, production costs and freight charges. This book assists preservationists in the evaluation and treatment of building components from an historic 'Canadian' perspective. The study summarizes the use of slate roofing historically and stylistically and describes installation techniques. CA CU PL SC

#### Slip casting nickel powder

by C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1962. ii, 23 p. : ill. Bibliogr. (Report ; PM-1 62-3) MICROLOG 90-04668 1 fiche

Atomized nickel powder was slip cast in an aqueous suspension, using ammonium alginate as the dispersing agent. Slip rheology was subject to chemical control and varied with the type of acid used.

• CA CM NR PS SC

#### Small aircraft crashworthiness, vol. II : reference data base, program and user guide

prepared for Transportation Development Centre ; by Sypher:Mueller International and Aerodevco Consultants Inc. Ottawa : Sypher:Mueller International, 1987. xii, 98 p. Bibliogr. MICROLOG 90-04077 2 fiche

Reference bibliography, database program and user guide for the study on small aircraft crashworthiness. Articles in the bibliography are gathered under the headings of fuselage design/structure, cockpit/cabin design/structure, seats, harnesses/restraints, post crash fire, medical, regulations, crash acceleration environment, new materials and general. CA PS SC TR

#### Small Airplane Crashworthiness Research and Development : proceedings of the seminar

prepared for the Transportation Development Centre ; by Sypher:Mueller International, edited by Robin Lee Monroe. Ottawa : Sypher:Mueller International, 1988. xxvi, 93 p. : ill. MICROLOG 90-01743 2 fiche

Papers presented at the seminar by speakers representing the Canadian Aviation Safety Board, and the U.S. National Transportation Safety Board, National Aeronautics and Space Administration, and the Federal Aviation Administration. Also included are the afternoon proceedings which included short introductory comments and open discussions. Coverage included the current status of North American R&D in small airplane crashworthiness and the future focus of Canadian R&D and regulatory activity. CA PS SC TR

#### Small business in British Columbia, 1979-89 : a decade of change

Victoria : Ministry of Regional and Economic Development, 1990. 32 p. : ill. *CSI 37110.205* ISBN 0-7726-1113-0 MICROLOG 90-07312 1 fiche

Small business in the province involves a wide range of industries from logging to the retail trade to the leading-edge field of high technology. The importance of small business is supported by statistics showing that small firms accounted for 85 per cent of the employment created in B.C. between 1979 and 1987. This overview outlines trends in the B.C. small business sector. It describes the characteristics of small businesses in B.C., and examines the growth and change that has taken place recently in this area. BC CO PR ST

#### Small Businesses Loans Act : Annual report on operations 1987-88

Ottawa : Industry, Science and Technology Canada ; Atlantic Canada Opportunities Agency ; Western Economic Diversification Canada, 1988. 36, 36 p. : ill. *Bilingual (Loi sur les prêts...)* *CSI 21109.006* ISBN 0-662-56671-7 MICROLOG 90-00545 1 fiche

Discusses the background of the Act, major amendments, approved lenders, eligible borrowers, loan purposes, and operating results for the 12 months ended March 31, 1988. CA CO PA ST

#### Small game survey, 1988

by H. Sabeau and J. Mills. Halifax : Dept. of Lands and Forests, 1989. 9 p. (Technical note ; no. 58) *CSI 51111.204* MICROLOG 90-02598 1 fiche

Results of an annual survey of a stratified random sample of hunters who purchased a

small game licence in 1988. The survey covers upland game (hare, grouse, pheasant) harvested to December 15, but no longer covers waterfowl. Results are given by type of game, by county and by area. AP CU SC ST

#### Small Ruminant Production Systems Network for Asia : proceedings of the inaugural meeting and launching of the Asian Small Ruminant Information Centre

editor, C. Devendra. Ottawa : International Development Research Centre, 1990. vi, 166 p. : ill. Bibliogr. (Manuscript report ; 258e) MICROLOG 90-06128 2 fiche (Available on fiche only)

Report on the results of a meeting held to examine the formation of a network to support R&D activities for small ruminants in national agricultural systems and collaborative research programs in Asia. The meeting began with statements on the need for the network by Bangladesh, China, India, Indonesia, Malaysia, Nepal, Pakistan, Philippines, Sri Lanka, Thailand and Vietnam. Statements from organizations in Australia, Canada, Japan, West Germany, and the U.S. were then presented, concluding with a description of Canadian university participation. Recommendations from each of these groups conclude the meeting. AG CA EX SC

#### Small Ruminants Research and Development in the Near East : proceedings of a workshop

editor, A.M. Aboul-Naga. Ottawa : International Development Research Centre, 1990. iv, 223 p. : ill. Bibliogr. (Manuscript report ; 237e) MICROLOG 90-06127 3 fiche (Available on fiche only)

Small ruminants are important in agricultural enterprises in the Near East region, and are the basic source of animal protein and cash to large communities in the region. This workshop presents a series of papers on improving lamb and kid production in intensive and semi-intensive systems, strategies for small ruminant production, the implementation of intensive lamb production systems, and planning requirements for executing small ruminants development programs, research priorities and linkages with regional programs. AG CA EX SC

#### Small scale chipping trials in Nova Scotia

Truro, N.S. : Dept. of Lands and Forests, 1988. 11 p. Bibliogr. (Forest research report ; no. 7) MICROLOG 90-02227 1 fiche

A cooperative trial between the province of Nova Scotia and the Government of Canada was established to evaluate small scale chip production from various biomass sources, to determine the feasibility of using a small roadside chipper in conjunction with conventional logging equipment for fuel chip production, to determine production volumes, rates and costs associated with various harvesting operations and sources of new material, and to identify phases of this system which require modification. Five sites were selected as trial locations. Prior to treatment a point sample cruise was done at each location to determine stand characteristics. No modifications were made to the extraction equipment for handling unmerchantable biomass. Production rates and costs for felling and extraction and chipper productivity and production costs are given for each location, along with trucking costs and volume production. AP EN PR SC



**Small-scale archaeological surveillance and other emergency work performed in 1988, Canadian Parks Service, Quebec Region**

by P. Drouin, M. Elie and G. Prédalieu. Ottawa : Environment Canada, Canadian Parks Service, 1990. 16 p. : ill. Bibliogr. (Research bulletin ; no. 282) *French ed. (Surveillance archéologique...)* on the same fiche. ISSN 0228-1228  
MICROLOG 90-04611 1 fiche

Reports of small-scale archaeological work undertaken at 3 sites in the Quebec Region in 1988. The reports briefly discuss the circumstances in which the work was carried out, the nature of the work and the results obtained. The sites involved were at Penouille in Forillon National Park, at the Côteau-du-Lac National Historic Park, and at Fort Saint-Jean. CA CU QU

**Small-scale turbulence and the problems of studying the ecosystem of Lake Baikal**

by V.A. Verkhovina...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 14 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5420) *Originally published in Russian.* ISSN 0704-3716  
MICROLOG 90-01526 1 fiche

When describing, simulating or studying the stability of ecosystems, it is assumed that the mathematical structure of the equations is analogous to the structure of the equations of the chemical kinetics. However, such an assumption may turn out to be qualitatively inconsistent with the experiment if the spatial heterogeneities of the components of the ecosystem are of a smaller scale or comparable to its characteristic values. This paper shows, through measurement and analysis of the spatial heterogeneity in the distribution of chemoorganotrophic bacteria, that the above situation, which is generally a unique one for 'ordinary' lakes, is currently observed in Lake Baikal.  
CA CF EV FI SC

**Smoke signals**

prepared by Henrik B.A. Andersen. Ottawa : Canadian Committee on Forest Fire Management, 1987. 42 p. : ill. *French ed. (Signaux de fumée) :* 90-03915/1.  
MICROLOG 90-03935 1 fiche

Newsletter which introduces valuable forest fire suppression management equipment and products to forestry personnel and increases communications among the Canadian forest fire management agencies. This number 3 describes a large number of articles, as well as items listed in other publications dedicated to forest fire fighting. A list of articles described in the 2 earlier issues of Smoke Signals is also included.  
CA FO SC

**Snow and ice research in Canada, 1987**

by C.S.L. Ommanney. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1987. 12 p. (NHRI contribution ; no. 88025) *In Canadian Geophysical Bulletin: vol. 40, 1987.* CSI 21148.004. ISSN 0838-1992  
MICROLOG 90-06485 1 fiche

This report covers glacier research, floating lake and river ice, snow and permafrost to the extent that they relate directly or indirectly to hydrology. The report is based mainly on recent publications and events and includes the activities of Environment Canada.  
CA EV NR PS SC

**Snow hydrology of the Waimakariri catchment, South Island, New Zealand**

by R.D. Moore and T.D. Prowse. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 24 p. : ill. Bibliogr. (NHRI contribution ; no. 88002) *In Journal of Hydrology (N.Z.): vol. 27, no. 1, 1988.* ISSN 0838-1992  
MICROLOG 90-06465 1 fiche

The Waimakariri River drains eastward from the main divide of New Zealand's South Island. Most of the steamflow in the South Island derives from the mountains, where varying portions of precipitation fall as snow. This paper summarizes what is known about the snow hydrology of the Waimakariri catchment. The paper outlines the geographical setting, the streamflow regime and the available sources of data; reviews the published and unpublished work on processes governing snow accumulation, melt and runoff, as well as the monitoring and modelling of snow storage and snow melt; and quantifies the hydrological significance of snow in the Waimakariri catchment.  
CA EX NR PS SC

**Snow management and meltwater enhancement, project 3.2-3 : interim progress report**

by W. Nicholaichuk, D.M. Gray and B. McConkey. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 17 p. : ill. (NHRI contribution ; no. 88091) ISSN 0838-1992  
MICROLOG 90-02459 1 fiche

Interim report briefly summarizing treatments, instrumentation and monitoring programs at field sites installed in the fall of 1988 at Kerrobert, Saskatoon and Swift Current. Brief descriptions of analytical studies on the wind transport of snow, snowmelt infiltration into frozen soils, and evaporation during postmelt are also given.  
CA EV MS SC

**Snow sampling survey in the vicinity of Minnova Inc., Schreiber, 1988**

by H.N. Pfeiffer, D.J. Rascette and H.D. Griffin. Toronto : Environment Ontario, Technical Support Section, Northwestern Region, 1989. 8 p. : ill. Bibliogr. ISBN 0-7729-4964-4  
MICROLOG 90-00760 1 fiche

Minnova Inc. developed a base metal mine and concentrator complex near Winston Lake, 20 km northwest of Schreiber, Ontario. Minnova is adjacent to the former Zenmac Metal Mines Ltd. In February 1987, a pre-operational snow sampling survey was conducted around Minnova. The study found that snow chemistry was typical of areas unaffected by environmental contamination. The mine started operations in August 1987 and the first concentrates were produced in January 1988. To document the effects of these activities on local air quality, snow sampling was carried out in February 1988. This report gives the results of sampling from 10 sites for arsenic, cadmium, copper, iron, lead, mercury, silver, zinc, solids (dissolved, suspended and total), conductivity and pH.  
EV NR ON PR SC

**Social applications of telematic**

by M. Zajac. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1989. 52 p. Bibliogr. *French ed (La Télématique...)* : 90-05458/1. ISBN 0-662-16959-X  
MICROLOG 90-05459 1 fiche

This paper presents the results of a pilot project involving an application of telematics in the medical-social field. Experiments using this service were carried out over a period of

more than two years at the Department of Communications and were aimed at five target groups: psychologists, psychotherapists, disabled persons, victims of sexual abuse, senior citizens, and persons with AIDS or who had tested HIV-positive. The quantitative and qualitative analysis of their participation showed that the 'Presence' service meets its medical-social goals when employed as part of a specific horizontal communication structure.  
CA TE

**Social insurance numbers : regulating their use**

by D. Johansen. Ottawa : Library of Parliament, Research Branch, 1989. 21 p. Bibliogr. (Backgrounders ; BP-206E) *French ed (Le Numéro d'assurance...)* on the same fiche. ISBN 0-660-13311-3  
MICROLOG 90-01902 1 fiche

Discusses the placing of restrictions on the collection and use of the social insurance number. It examines the Privacy Commissioner's report, the Privacy Act, and the House of Commons standing committee report.  
CA CI LA

**Social integration and Canadian provincial crime rates : the impact of geographic mobility**

by T.F. Hartnagel. Edmonton : University of Alberta, Centre for Criminological Research, 1989. 21 p. Bibliogr. (Discussion paper ; 21) ISSN 0824-5134  
MICROLOG 90-06437 1 fiche

Geographic mobility as a potentially disintegrative force generating high crime rates in social units has not received a great deal of research attention. This study investigates the effects of such mobility on Canadian provincial crime rates which quite consistently exhibit an east-west trend. It uses multiple regression techniques to assess the effect of geographic mobility on violent, violent property, and property crime rates net of several other potential predictors.  
• CA JU SA

**Social Planning and Research Council of Hamilton and District : Annual report 1986-87**

Hamilton, Ont. : The Council, 1987. 19 p. CSI 99250 001  
MICROLOG 90-02425 1 fiche (Available on fiche only)

The purpose of the Council is to improve the quality of life for all citizens by engaging in activities which will result in improved social policies and services, maximized access for all citizens to the opportunities afforded by society and effective citizen involvement in the continuing consideration of social issues. This annual report contains the president's report, the executive director's report, a statement of financial activities, and information on staff time allocations. It also includes a list of staff members, the board of directors, and Committee members.  
MU ON SA

**Social Planning and Research Council of Hamilton and District : Annual report 1987-88**

Hamilton, Ont. : The Council, 1988. 13 p. CSI 99250 001  
MICROLOG 90-00536 1 fiche (Available on fiche only)

Contains a president's report, an executive director's report, a mission statement, data on staff time allocations, a statement of financial activities, and a list of the board of directors, committee members, and staff members.  
MU ON SA



**Social Planning and Research Council of Hamilton and District : Annual report 1988-89**

Hamilton, Ont. : The Council, 1989. 16 p. *CSI 99250.001.*  
 MICROLOG 90-05253 1 fiche (Available on fiche only)

The purpose of the Council is to identify and resolve problems that diminish the quality of life of their citizens. They believe that every community member should have the opportunity to participate in this problem-solving process. This annual report highlights the major activities and accomplishments of the Council and provides a statement of financial activities.  
 MU ON SA

**A Social report for Metropolitan Toronto, number 2**

by A. Mitchell and B. Woolley. Toronto : Social Planning Council of Metropolitan Toronto, 1989. xii, 101 p. : ill. *CSI 99252.200.* ISBN 0-919456-71-5  
 MICROLOG 90-06900 2 fiche

This report is designed to profile social and economic trends in Metropolitan Toronto on such subjects as population, families and children, the elderly, poverty and income, employment, and housing. It utilizes data from the 1986 Census, supplemented with data from additional and more up-to-date sources where appropriate. It is divided into six chapters: a demographic profile of the Toronto region, families and children, mother tongue and ethnicity, housing, employment and income, and poverty.  
 MU ON SA ST

**Social Sciences and Humanities Research Council of Canada : Annual report 1988-89**

Ottawa : The Council, 1989. 169 p. Bibliogr. *Bilingual. CSI 22284.001.* ISBN 0-662-57335-8  
 MICROLOG 90-06547 2 fiche (Available on fiche only)

The Council's mandate is to promote and assist research and scholarship in the social sciences and humanities. This document provides information on the operational structure, a financial statement, the research grants division, strategic grants division, fellowships division, and the research communication and international relations division.  
 CA CU

**Social Security Agreement : summary : Canada and Australia**

Ottawa : Health and Welfare Canada, Income Security Programs, 1990. 15 p. *French ed. (Accord de sécurité...l'Australie) on the same fiche.* ISBN 0-662-17264-7  
 MICROLOG 90-04964 1 fiche

This summary describes in general terms how the Agreement may help individuals qualify for Canadian or Australian benefits. It is intended for persons residing in Canada.  
 CA CO EX

**Social security agreement : summary : Canada and Denmark**

Ottawa : Health and Welfare Canada, Income Security Programs, 1988. 16 p. *French ed. (Accord de sécurité...Danemark) on the same fiche.* ISBN 0-662-16146-7  
 MICROLOG 90-01044 1 fiche

Describes in general terms how the Agreement may help individuals qualify for Canadian or Danish benefits. It is intended for persons residing in Canada.  
 CA EX SA

**Social security agreement : summary : Canada and Portugal**

Ottawa : Health and Welfare Canada, Income Security Programs, 1989. 12 p. *French ed. (Accord de sécurité...Portugal) on the same fiche.* ISBN 0-662-17046-6  
 MICROLOG 90-04055 1 fiche

This summary describes in general terms how the agreement may help individuals qualify for Canadian or Portuguese benefits. It is intended for persons residing in Canada.  
 CA CO EX

**Social security agreement : summary : Canada and Saint Lucia**

Ottawa : Health and Welfare Canada, Income Security Programs, 1988. 14, 16 p. *Bilingual (Accord de sécurité...Saint-Lucie).* ISBN 0-662-16144-0  
 MICROLOG 90-01810 1 fiche

On January 1, 1988, the Agreement on Social Security between Canada and Saint Lucia came into force. This summary describes in general terms how the Agreement may help individuals qualify for benefits in both countries. It is intended for persons residing in Canada.  
 CA EX SA

**Social security and social welfare legislation in Canada**

by H. McKenzie. Ottawa : Library of Parliament, Research Branch, 1989. ii, 29 p. Bibliogr. (Backgrounder ; BP-93E) *French ed. (La Sécurité sociale...) on the same fiche.* ISBN 0-660-13284-2  
 MICROLOG 90-01918 1 fiche

Provides a very brief account of the development of federal income security, social insurance and social welfare legislation in Canada, and of the government department most involved in its implementation, Health and Welfare Canada. It discusses the enactments made in this field which are considered of major importance.  
 CA CI JU SA

**Social spending and the next budget**

National Council of Welfare (Canada). Ottawa : The Council, 1989. 31 p. : ill. ISBN 0-662-16964-6  
 MICROLOG 90-01878 1 fiche

Presents tabular information on federal expenditures and revenues, federal savings from partial indexation of family allowances, established programs financing and personal income tax, total income taxes, two-earner couples with two children, and federal child benefits, couples with two children. It also includes graphs representing social spending.  
 CA CI PA SA

**Social support for one-parent families**

by M. Baker. Ottawa : Library of Parliament, Research Branch, 1988. 15 p. Bibliogr. (Backgrounder ; BP-126E) *French ed. (L'Aide sociale aux...) on the same fiche.* ISBN 0-660-13412-8  
 MICROLOG 90-03023 1 fiche

This paper discusses the prevalence of one-parent families, poverty among one-parent families; and social programs for one-parent families such as family allowance, the Canada Assistance Plan, and tax breaks.  
 CA CI SA

**Société canadienne d'hypothèques et de logement : Rapport annuel 1989**

Ottawa : la Société, 1990. 56 p. : ill. *Bilingue. CSI 22118.001.* ISSN 0226-0336  
 MICROLOG 90-06548 1 fiche

La mission de la SCHL consiste à favoriser la construction de nouvelles maisons, la réparation et la modernisation de maisons existantes, ainsi que l'amélioration des conditions de logement et

de vie. Ce rapport annuel pour l'année 1989 présente les faits saillants de l'année et trace les grandes lignes des activités de la Société. Inclut des données statistiques et le bilan financier.  
 CA PL ST

**Société canadienne des postes : Rapport annuel 1989-90**

Ottawa : la Société, 1990. 35, 35 p. : ill. *Bilingue. CSI 22120.001.*  
 MICROLOG 90-06549 1 fiche

La Société est responsable de lever, traiter et livrer annuellement quelque neuf milliards de messages et colis. Ce document présentant le rapport annuel de la Société canadienne des postes pour l'année 1989-90. Il fournit des renseignements d'ordre financier et se penche particulièrement sur l'histoire de la Société.  
 CA PA TE

**Société d'aménagement régional (N.-B.) : Rapport annuel 1987-88**

Fredericton : la Société, 1988. 38, 36 p. *Bilingue. CSI 46140.001.*  
 MICROLOG 90-02158 1 fiche

La Société d'aménagement régional est chargée de la coordination de la mise en oeuvre des ententes auxiliaires au nom de la province. Les crédits de ces ententes sont affectés à la Société d'aménagement régional, sauf ceux des ententes sur les routes et les grandes artères. L'objectif de cette entente est d'accélérer la réalisation de possibilités de développement à long terme dans le Nord-est du Nouveau-Brunswick par des programmes supplémentaires aux programmes réguliers des gouvernements provincial et fédéral. Ce document fournit le rapport annuel de la Société d'aménagement régional.  
 AP MU PL PR

**Société d'habitation du Nouveau-Brunswick : Rapport annuel 1988-89**

Fredericton : la Société, 1989. 41 p. *Bilingue. CSI 46104.001.* ISSN 0550-4767 ISBN 1-55048-117-7  
 MICROLOG 90-01304 1 fiche

Ce rapport décrit les réalisations de la Société d'habitation du Nouveau-Brunswick au cours de l'exercice financier 1988-89. Il souligne également le rôle important que joue la SHNB en matière de logement ainsi que sa capacité d'établir une meilleure infrastructure pour les activités de construction. Finalement, le document présente les états financiers.  
 AP CO PR SA ST

**Société d'habitation du Québec : Rapport annuel 1988**

Québec : la Société, 1989. 62 p. *CSI 67179.001.* ISSN 0714-6159 ISBN 2-551-08458-X  
 MICROLOG 90-05272 1 fiche

La Société doit aviser le Ministre sur les besoins, les priorités et les objectifs de tous les secteurs de l'habitation au Québec; stimuler le développement et la concertation des initiatives publiques et privées en matière d'habitation; mettre à la disposition des citoyens du Québec des logements à loyer modique; favoriser le développement et la mise en oeuvre de programmes de construction, d'acquisition, d'aménagement, de restauration et d'administration d'habitations; faciliter aux citoyens du Québec l'accès à la propriété immobilière; et enfin, promouvoir l'amélioration de l'habitat. Ce rapport annuel pour l'année 1988 fait le bilan des activités et des réalisations de la Société. Fournit aussi des informations sur les ressources humaines, sur la structure administrative, sur les programmes et sur le financement. Inclut les états financiers.  
 PL PR QU SA ST



**Société d'habitation du Québec :  
Rapport annuel 1989**

Québec : la Société, 1990. 60 p.  
CSI 67179.001. ISSN 0714-6159 ISBN  
2-551-14164-8  
MICROLOG 90-07249 1 fiche

La Société doit aviser le Ministre sur les besoins, les priorités et les objectifs de tous les secteurs de l'habitation au Québec; stimuler le développement et la concertation des initiatives publiques et privées en matière d'habitation; mettre à la disposition des citoyens du Québec des logements à loyer modique; favoriser le développement et la mise en oeuvre de programmes de construction, d'acquisition, d'aménagement, de restauration et d'administration d'habitations; faciliter aux citoyens du Québec l'accès à la propriété immobilière; et enfin, promouvoir l'amélioration de l'habitat. Ce rapport annuel pour l'année 1989 fait le bilan des activités et des réalisations de la Société. Fournit aussi des informations sur les ressources humaines, sur la structure administrative, sur les programmes et sur le financement. Inclut les états financiers.  
PR QU SA ST

**Société de développement de  
l'industrie cinématographique  
ontarienne : Rapport annuel 1988-89**

Toronto : la Société, 1989. 22, 22 p. : ill.  
Bilingue. CSI 56228.001. ISSN 0836-1363  
MICROLOG 90-06327 1 fiche

La Société a pour mandat d'apporter une contribution importante à la vie culturelle et économique de la province. Son rôle est d'encourager l'investissement et la création d'emplois dans les mass media les plus puissants et les plus prestigieux de l'Ontario--le cinéma et la télévision. Ce rapport donne un résumé des activités des divisions telles la Division de la production et du développement, la Division des ventes et de la distribution, et la Division de la promotion. Ensuite, on donne une liste des projets de développement et une liste des projets spéciaux ainsi que des listes d'autres projets. Le document se termine avec des états financiers.  
CU ON PR

**Société de développement industriel  
du Québec : Rapport annuel 1988-89**

Québec : la Société, 1989. 37 p.  
CSI 67181.001. ISSN 0383-5383 ISBN  
2-551-08500-4  
MICROLOG 90-05628 1 fiche

La Société de développement industriel du Québec est un organisme gouvernemental créée en 1971 par la Loi de l'aide au développement industriel. L'objectif principal de la Société est de favoriser le développement économique du Québec, notamment en encourageant le développement des entreprises, la croissance des exportations et les activités de recherche et d'innovation. Ce rapport annuel pour l'année 1988-89 inclut les statistiques et les états financiers.  
CO PR QU ST

**Société de gestion du fonds du  
patrimoine du nord de l'Ontario :  
Rapport annuel 1988-89**

Sault Ste. Marie, Ont. : la Société, 1989.  
18, 18 p. Bilingue. CSI 55117.001.  
MICROLOG 90-04305 1 fiche

Document présentant le rapport annuel de la Société de gestion du fonds du patrimoine du nord de l'Ontario pour l'exercice se terminant le 31 mars 1989. Au cours de dix mois, la société, dont le siège se trouve à Sault Ste-Marie, a engagé environ 5,3 millions de dollars pour aider à financer plus d'une centaine de projets très variés, concernant aussi bien la recherche et le développement de technologies nouvelles que l'expansion des activités

touristiques. Ces projets devraient entraîner la création d'environ 390 emplois dans le nord.  
CO ON PA PR

**La Société de l'information : sa  
dimension humaine**

par L. Deschênes. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1989. 28 p. Bibliogr. L'éd. anglaise (*The Information society...*) sur la même fiche  
ISBN 0-662-95770-9  
MICROLOG 90-03230 1 fiche

Au cours des dernières années, nous avons assisté à une diffusion croissante d'une quantité toujours plus grande de nouveaux produits et de services associés aux nouvelles technologies de l'information (NTI). L'informatique a pénétré dans la vie quotidienne d'abord à travers l'univers du travail. C'est pour pallier la faible productivité dans le secteur tertiaire et la croissance des coûts de main-d'oeuvre dans les bureaux que l'implantation des NTI s'est généralisée. Ce document fait la lumière sur l'évolution de la société de l'information.  
● CA SC TE

**Société de la Place des Arts de  
Montréal : Rapport annuel 1988-89**

Montréal : la Société, 1990. 32 p. : ill.  
CSI 67310.001  
MICROLOG 90-07327 1 fiche

Rapport annuel faisant le bilan des activités et des réalisations de la Société de la Place des Arts de Montréal. Fournit des informations sur les activités de théâtre, d'opéra et de musique classique, des variétés et de musique populaire, de danse, des festivals, des coproductions. Inclut les états financiers.  
CU PR QU ST

**Société des alcools du Nouveau-  
Brunswick : Rapport annuel 1988-89**

Fredericton : la Société, 1989. 14, 14 p. : ill.  
Bilingue. CSI 46109.001.  
MICROLOG 90-00289 1 fiche

Présente le treizième rapport annuel de la Société des alcools du Nouveau-Brunswick pour l'exercice terminé le 31 mars 1989.  
AP CO PR

**Société des alcools du Nouveau-  
Brunswick : Rapport annuel 1989-90**

Fredericton : la Société, 1990. 16, 16 p. : ill., cartes géogr. Bilingue. CSI 46109.001  
ISSN 0704-2574  
MICROLOG 90-07071 1 fiche

Document présentant le rapport annuel de la Société des Alcools du Nouveau-Brunswick, conformément à l'article 20 de la Loi sur la Société des Alcools du Nouveau-Brunswick pour l'exercice terminé le 31 mars 1990. Il présente de nombreux renseignements sur les points suivants: des statistiques; des cartes d'emplacement; le rapport des vérificateurs; le bilan; les résultats; les bénéfices brut tiré de la vente d'alcool; les coûts des marchandises vendues, les autres produits, les charges d'exploitation; et, les états financiers.  
AP CO PR

**Société des alcools du Québec :  
Rapport annuel 1989-90**

Québec : la Société, 1990. 40 p. : ill.  
CSI 67182.001. ISBN 2-9801788-2-9  
MICROLOG 90-07283 1 fiche

La Société est une société publique dont le mandat consiste, essentiellement, à importer, mettre en bouteilles, distribuer et vendre, en exclusivité, des boissons alcooliques sur tout le territoire du Québec. Ce rapport annuel fait le bilan des activités de la Société. Inclut le bilan financier.  
CO PR QU ST

**Société des établissements de plein  
air du Québec : Rapport annuel 1988-89**

Québec : la Société, 1989. 40 p.  
CSI 67248.001. ISBN 2-550-20185-X  
MICROLOG 90-04024 1 fiche

Document présentant le rapport annuel de la Société des établissements de plein air du Québec pour l'exercice financier prenant fin le 31 mai 1989. Il fournit des renseignements sur les points suivants: les faits saillants du Conseil d'administration et du Comité de direction; les activités, les résultats financiers et le personnel; les établissements, l'évolution de la situation financière; et la Société et ses établissements.  
CU PR QU

**Société des traversiers du Québec :  
Rapport d'activités 1988-89**

Québec : la Société, 1989. 31 p.  
CSI 67183.001. ISSN 0823-9126 ISBN  
2-551-08502-0  
MICROLOG 90-04008 1 fiche

La Société a pour objectif principal de fournir des services de transport par traversiers entre les rives des fleuves, rivières et lacs situés au Québec. Ce rapport annuel présente les faits saillants des activités de la Société. Inclut aussi une revue statistique, ainsi que les états financiers.  
PR QU SC ST TR

**Société du Grand Théâtre de  
Québec : Rapport annuel 1988-89**

Québec : la Société, 1989. 32 p. : ill.  
CSI 67293.001  
MICROLOG 90-07332 1 fiche

La Société a pour mission de présenter des activités culturelles (musique classique, théâtre, danse, variétés et musique populaire, ciné-conférences et cinéma, entre autres) accessibles au plus grand nombre. Ce rapport annuel fait le bilan des activités et des réalisations de la Société. Inclut des statistiques sur la fréquentation du Grand Théâtre, ainsi que le bilan financier.  
CU PR QU

**Société du parc des expositions agro-  
alimentaires (Québec) : Rapport final  
d'activités 1989**

Québec : la Société, 1989. 18 p.  
CSI 66103.005  
MICROLOG 90-05102 1 fiche

La Société a pour objet d'administrer et d'exploiter le Parc des expositions agro-alimentaire, sur l'île Notre-Dame à Montréal, en vue de promouvoir l'agriculture, les pêcheries et le secteur agro-alimentaire, de favoriser une participation accrue de la population au développement de l'industrie agro-alimentaire, de faire connaître les produits agricoles, horticoles, marins et alimentaires du Québec. Ce rapport annuel trace les grandes lignes des activités de la Société.  
AG PR QU SC

**Société du parc industriel du centre  
du Québec : Rapport annuel 1988-89**

Québec : la Société, 1989. 26 p. : ill.  
CSI 67241.001. ISSN 0711-0022 ISBN  
2-551-08512-8  
MICROLOG 90-04014 1 fiche

Ce document présente le rapport annuel de la Société du parc industriel du centre du Québec pour l'exercice financier terminé le 31 mars 1989. Il donne des renseignements sur la Société du parc industriel du centre du Québec; le conseil d'administration; le personnel de direction; le message du conseil d'administration; la revue des activités; et le rapport du vérificateur et les états financiers.  
EV PR QU SC



**Société immobilière du Québec :  
Rapport annuel 1988-89**

Québec : la Société, 1989. 32 p. : ill.  
CSI 67283.001. ISSN 0827-0902 ISBN  
2-550-19461-6  
MICROLOG 90-01062 1 fiche

La Société immobilière du Québec est un des propriétaires fonciers du Québec. Elle administre près de 2.5 millions de mètres carrés d'espace locatif répartis sur l'ensemble du territoire québécois. Ce document présente le rapport annuel de la Société immobilière du Québec ainsi que les états financiers.  
PR PW QU ST

**Société immobilière du Québec :  
Rapport annuel 1989-90**

Québec : la Société, 1990. 32 p. : ill.  
CSI 67283.001. ISSN 0827-0902  
MICROLOG 90-07329 1 fiche

La Société a pour mandat d'installer les ministères et organismes publics dans des locaux conformes à leurs besoins. A cette fin, elle fournit à sa clientèle des services de construction, d'aménagement, d'exploitation et de gestion immobilière. Ce rapport annuel fait le bilan des activités de la Société. Inclut les états financiers.  
CO PA PR QU

**Société nationale de l'amiante :  
Rapport annuel 1988-89**

Québec : la Société, 1989. 16 p.  
CSI 66110.008  
MICROLOG 90-07279 1 fiche

Rapport annuel présentant les faits saillants des activités de la Société. Inclut les états financiers et une analyse de l'évolution de la situation financière.  
NR PR QU SC

**Société ontarienne de formation :  
Rapport annuel 1988-89**

Toronto : la Société, 1989. 12, 12 p. : ill.  
Bilingue. CSI 56259.001.  
MICROLOG 90-07379 1 fiche

Document présentant le premier rapport annuel de la Société ontarienne de formation pour l'exercice terminé le 31 mars 1989. Il fournit également les états financiers de la Société au 31 mars 1989 ainsi que les résultats de son exploitation.  
LA ON PR

**Société pour l'expansion des  
exportations (Canada) : Rapport  
annuel 1989**

Ottawa : la Société, 1990. 37, 37 p. : ill.  
Bilingue. CSI 22220.001.  
MICROLOG 90-04140 1 fiche

Document présentant le rapport annuel de la Société pour l'expansion des exportations (SEE). Ce dernier est l'organisme officiel de crédit à l'exportation du Canada chargé d'offrir des services d'assurance-crédit à l'exportation, des prêts, des garanties et d'autres services financiers au milieu canadien de l'exportation. Y sont fournis les renseignements suivants: les faits saillants; le marketing; les assurances et le financement à l'exportation; les finances; la performance de la société; le Conseil d'administration; l'organigramme et les bureaux de la Société, les états financiers, la responsabilité de la direction à l'égard des états financiers; le rapport du vérificateur; et, la revue des cinq dernières années.  
CA CO EX

**Société québécoise d'initiatives agro-  
alimentaires : Rapport annuel 1988-89**

Québec : la Société, 1989. 43 p. : ill.  
CSI 67202.002  
MICROLOG 90-02826 1 fiche

Ce document présente le rapport d'activités de la Société québécoise d'initiatives agro-alimentaires pour l'exercice financier terminé le 31 mars 1989. Y sont abordés les points suivants: les faits saillants, les interventions de 1975 à 1989, le rapport des filiales, le rapport du vérificateur, les participants, et les participations de la filiale: Société québécoise des pêches.  
AG PR QU SC

**Société québécoise des transports :  
Rapport annuel 1987**

Québec : la Société, 1989. 23 p.  
CSI 67203.001. ISSN 0838-2328 ISBN  
2-5510-8396-6  
MICROLOG 90-04007 1 fiche

Ce document présente le rapport annuel de la Société québécoise des transports pour l'exercice financier terminé le 31 décembre 1987. On y donne des renseignements sur le Conseil d'administration et la Direction au 31 décembre 1987; la mission de la Société québécoise des transports; le rapport du président; les états financiers consolidés pour l'exercice terminé le 31 décembre 1987; les notes complémentaires aux états financiers consolidés au 31 décembre 1987; et les investissements de la Société québécoise des transports au 31 décembre 1987.  
PR QU SC TR

**Société Radio-Canada : Rapport  
annuel 1988-89**

Ottawa : la Société, 1989. 39, 39 p. : ill.  
Bilingue. CSI 22177.001.  
MICROLOG 90-00312 1 fiche

Rapport annuel de la Société Radio-Canada pour l'exercice financier se terminant le 31 mars 1989, conformément aux dispositions de la Loi sur la radiodiffusion. Le rapport porte surtout sur les aspects suivants: la télévision française et anglaise; la radio française et anglaise; la radio-télévision régionale; le service du Nord; les services spéciaux; les activités internationales; les installations et la distribution; les effectifs et l'administration; et les états financiers.  
CA SC ST TE

**Société Radio-Canada : Rapport  
annuel 1989-90**

Ottawa : la Société, 1990. 40, 40 p. : ill.  
Bilingue. CSI 22177.001. ISSN 0708-9392  
MICROLOG 90-07243 1 fiche

Rapport annuel faisant le bilan des activités et des réalisations de la Société Radio-Canada. Inclut des informations sur la télévision et la radio françaises et anglaises, sur la radiotélévision régionale et locale, sur le Newsworld, sur les activités externes, sur les installations et distribution, sur les auditoires, sur la gestion nationale, ainsi que sur les finances. Comprend aussi le bilan financier.  
CA SC ST TE

**Sociétés de développement de  
l'Ontario : Rapport annuel 1988-89**

Ottawa : les Sociétés, 1989. 23, 23 p.  
Bilingue. CSI 56187.002.  
MICROLOG 90-04735 1 fiche

Ce document contient un aperçu des activités des sociétés au cours du dernier exercice, un compte rendu financier des exploitations des sociétés ainsi que les états financiers cumulés pour les sociétés au 31 mars 1989.  
CO ON PA PR

**Socio-economic forecasts 1989-94 :  
City of Edmonton**

Edmonton (Alta.). City Forecast Committee.  
Edmonton : The Committee, 1989. 14 p. : ill.  
CSI 89453.001.  
MICROLOG 90-00506 1 fiche

Includes information on selected economic forecasts, 1989-1994; Edmonton projected population by age group; Edmonton 1989 single family residential land servicing; Edmonton single family residential land servicing by area, 1988-94; Edmonton industrial and commercial land servicing; and major planned projects in Edmonton. It provides a map of city sectors.  
AL CO MU SA ST

**Software Productivity Consortium  
needs analysis, preliminary release**

by W.B. Strigel. Victoria : Science Council of British Columbia ; Ottawa : National Research Council, 1990. 39 p. : ill. Bibliogr. (Spark report)  
MICROLOG 90-05885 1 fiche

This study focuses on the software development industry, spanning a wide range of applications and including companies which conduct software development as part of their overall activities. The needs analysis concentrates on the technical aspects of software development and the tools and services required for this activity. The project is concerned with all industrial regions within the province with special emphasis on the lower mainland of Vancouver and Vancouver Island. Information was obtained through a special task force, a mailed questionnaire, personal interviews with company representatives, and presentations to user groups.  
BC PR PS SC

**Soil and bedrock sensitivity to acidic  
deposition in the Northwest  
Territories**

Yellowknife : Dept. of Renewable Resources, 1986. ii, 30 p. : map. Bibliogr. Fold. map not filmed.  
MICROLOG 90-02655 1 fiche

This report explains the data used to compile the map; the selection of criteria which are significant in determining the effects of acidic deposition on the aquatic system; information required for mapping (soil chemistry, soil depth, bedrock, permafrost); and interpretation. An extensive bibliography is included.  
EV NO PR SC

**Soil and water conservation on the  
farm**

by W. Nicholaichuk. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. 17 p. Bibliogr. (NHRI contribution ; no. 88030) ISSN 0838-1992  
MICROLOG 90-06488 1 fiche

Review of various water conservation practices on the farm, including tillage and snow management practices to improve soil moisture reserves, management of surface water supplies by run-off water control, evaporation and seepage control, and slough consolidation.  
AG CA SC

**Soil climate classification and winter  
risk assessment for the Atlantic  
region based on estimated soil  
temperatures**

by A. Bootsma and L.M. Dwyer. Ottawa : Agriculture Canada, Research Branch, 1990. iii, 44 p. : maps. Bibliogr. (Technical bulletin ; 1990-1E) (LRRC contribution ; no. 89-48) ISBN 0-662-17491-7  
MICROLOG 90-04234 1 fiche

Soil temperatures are an important factor influencing crop growth and other physical, chemical and biological processes important to agriculture in the Atlantic region. Because soil temperature records have been kept for relatively few stations in the region, it is necessary to estimate temperature from more readily available climatic parameters. This bulletin presents results of analyses of monthly mean soil temperature estimates for 53



locations obtained from an empirical regression-based soil temperature model. Data are presented on average monthly temperatures, derived soil climate parameters and classes, and winter low temperature extremes.  
• AG AP CA SC

# Soil contamination and port redevelopment in Toronto

by W.E. Munson. Toronto : Canadian Waterfront Resource Centre, 1990. 14 p. Bibliogr. (Working papers ; no. 3) Presented at Toronto's Changing Waterfront perspectives from the past. ISSN 0847-320X ISBN 0-662-17729-0 MICROLOG 90-05867 1 fiche

This paper discusses the problem of soil contamination in Toronto's Port Industrial District and its effects on redevelopment of the area. The paper describes the district and its uses over its history, the identification of contaminants, the quality of the fill used to create the land, and the costs of cleanup. The need for environmental audits is also addressed.  
CA EV MU ON PL SC

# Soil landscapes of Canada : Manitoba

Ottawa : Agriculture Canada, Research Branch, Land Resource Research Centre, 1989. 21 p. : maps. Bibliogr. (LRRRC contribution ; no. 87-16) Bilingual (Pédo-paysages du Canada...). Fold. maps not filmed. Pamphlet not filmed ISBN 0-662-56286-0 MICROLOG 90-03443 1 fiche

Soil and land attributes are recorded for the dominant and subdominant soil landscapes of Manitoba and are included in both the map and the tables in this document. The table in the report describes the attributes of the dominant and subdominant soil landscapes and certain important nonsoil features such as rock outcrops. It includes soil development (taxonomy or class of soil), texture group and class of parent material, origin of parent material, surface form, slope class, kind of rock outcrop or other material at surface, surface texture class, drainage class, calcareous class, depth to water table (dominant only), type of compacted, consolidated, or contrasting layer (dominant only), depth to compacted, consolidate, or contrasting layer (dominant only), and soil or landscape inclusions.  
• AG CA MS SC

# Soil management guidelines for erosion control in agro-Manitoba

Winnipeg : Manitoba Agriculture, 1989. 7 p. MICROLOG 90-00441 1 fiche

Pamphlet on methods of erosion control based on soil management, including general guidelines, tillage guidelines, conservation practices for special crop production, and guidelines for organic soils.  
AG MS PR SC

# Soil salinity : Manitoba

by R.G. Eilers. Ottawa : Agriculture Canada, Research Branch, Land Resource Research Centre, 1990. 9 p. : maps. (LRRRC contribution ; no. 87-15) Fold. maps not filmed. Bilingual (Salinité des sols...). ISBN 0-662-57121-5 MICROLOG 90-04937 1 fiche

Soil salinization, one form of soil degradation, is of greatest concern in the southern agricultural portions of Manitoba, Saskatchewan and Alberta. This map was prepared to provide information about the present extent and severity of soil salinity. It does not indicate whether the salinity is of recent or historic origin, nor does it identify areas where salinity is increasing or decreasing in extent or severity. This introduction to the map includes the uses to which the map can be put, the information recorded on the map, the method used to

estimate soil salinity, interpretation of the map, and the extent of saline soils in Manitoba.  
• AG AL CA MS SC

# Soil survey of Annapolis County, Nova Scotia

by J.I. MacDougall, J.L. Nowland and J.D. Hilchey. Ottawa : Agriculture Canada ; Halifax : Dept. of Agriculture and Marketing, 1989. 84 p. : ill., maps. Bibliogr. (Report ; no. 16) Fold. maps not filmed MICROLOG 90-05966 1 fiche

This report gives information obtained from the soil survey of the county made during 1963-65. The report covers the geographic background and the factors that affect the development and use of the soils, then describes the soils in detail and their general suitability for agriculture. Soils are grouped into capability classes according to the physical hazards that limit their use for agriculture, and are also rated for suitability for crops commonly grown in the area.  
AG AP PR SC

# Soil survey of Antigonish County, Nova Scotia

by D.B. Cann and J.D. Hilchey. Ottawa : Agriculture Canada ; Halifax : Dept. of Agriculture and Marketing, 1978. 54 p. : ill., maps. (Report ; no. 6) Fold. map not filmed. MICROLOG 90-05961 1 fiche

This report describes the physical characteristics of the area and the factors that affect soil formation and development. The main body of the report describes the soils and the properties which make them suitable or unsuitable for agricultural use. The report also contains a discussion of the agriculture of the area, the management of the different soils and a rating of the soils according to their suitability for use.  
AG AP PR SC

# Soil survey of Bruce County

by D.W. Hoffman and N.R. Richards. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1954. 110 p. : ill., maps. (Report ; no. 16) ISBN 0-7729-6694-X MICROLOG 90-05756 2 fiche

The soil survey of Bruce County was conducted during the summers of 1948-49. This report presents a brief description of the area and such factors as climate, vegetation, topography, drainage and soil materials. Each soil type is described in considerable detail. The description deals with the physical characteristics of the soil by which it may be recognized and discusses its use, fertility and adaptability to crop production.  
AG ON PR SC

# Soil survey of Cape Breton Island, Nova Scotia

by D.B. Cann, J.I. MacDougall and J.D. Hilchey. Ottawa : Agriculture Canada, Agriculture Development Branch, 1963. 85 p. : ill., maps. (Report ; no. 12) Fold. maps not filmed. MICROLOG 90-06017 1 fiche

This report deals with the soils of Cape Breton Island, comprising the counties of Inverness, Cape Breton, Richmond and Victoria. The main part of the report describes the soils in detail and their suitability for agriculture. The relationship of climate, vegetation, topography, and geology of the area are discussed briefly. In addition, the soils are rated for their adaptability to certain crops commonly grown in the area.  
• AG AP CA SC

# Soil survey of Digby County, Nova Scotia

by J.D. Hilchey, D.B. Cann and J.I. MacDougall.

Ottawa : Agriculture Canada, Agriculture Development Branch, 1962. 58 p. : ill., maps. (Report ; no. 11) Fold. maps not filmed MICROLOG 90-05956 1 fiche

This report describes some of the physical and economic factors that affect the use of soils in the area and the factors affecting their formation. The latter part of the report describes the characteristics of the individual soils, their use and management and their place in the agriculture of the county.  
AG AP PR SC

# Soil survey of formerly Ontario County, now western portion of Region of Durham

by A.B. Olding, R.E. Wicklund and N.R. Richards. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1990. 60 p. : ill., maps. (Report ; no. 23) ISBN 0-7729-6868-3 MICROLOG 90-07306 1 fiche

Classification and description of the soils of Ontario County, based on a survey conducted in the summers of 1949 and 1950. The report includes a general description of the area, the factors affecting the formation of the soils, a detailed classification and description of each type of soil and agriculture and land use ratings.  
AG NR ON PR SC

# Soil survey of Grey County

by J.E. Gillespie and N.R. Richards. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1954. 79 p. : ill., maps. (Report ; no. 17) MICROLOG 90-05296 1 fiche

Grey County is situated in the northern limits of southwestern Ontario, bounded by Georgian Bay on the north, Bruce County on the west, Simcoe and Dufferin Counties on the east, and Wellington County on the south. This report gives a general description of the area, the agriculture and land use, the factors affecting the formation of the soils, and a classification and description of the soils according to soil material and drainage.  
AG ON PR SC

# Soil survey of Guysborough County, Nova Scotia

by J.D. Hilchey, D.B. Cann and J.I. MacDougall. Ottawa : Agriculture Canada ; Halifax : Dept. of Agriculture and Marketing, 1964. 55 p. : ill., maps. (Report ; no. 14) Fold. maps not filmed MICROLOG 90-05964 1 fiche

This report describes some of the physical and economic factors that affect the use of the soils in the area and the factors affecting their formation, then describes the individual soils, their use and management and their place in the agriculture of the county.  
AG AP PR SC

# Soil survey of Halifax County, Nova Scotia

by J.I. MacDougall, D.B. Cann and J.D. Hilchey. Ottawa : Agriculture Canada ; Halifax : Dept. of Agriculture and Marketing, 1981. 53 p. : ill., maps. (Report ; no. 13) Fold. maps not filmed. MICROLOG 90-05958 1 fiche

This report describes the soils of Halifax County, based on a survey conducted in the summers of 1957-58. The first part of the report gives a general description of the area and the factors that affect their formation and use. The main part describes the soils in detail, their classification and suitability for use, and the chemical and physical properties of some of the major soil types.  
AG AP PR SC



**Soil survey of Hants County, Nova Scotia**

by D.B. Cann, J.D. Hilchey and G.R. Smith. Ottawa : Agriculture Canada ; Halifax : Dept. of Agriculture and Marketing, 1978. 65 p. : ill., maps. (Report ; no. 5) *Fold. map not filmed.*

MICROLOG 90-05960 1 fiche

This report first gives a general description of the area, along with a discussion of the various factors that influence soil formation and soil development. The main body of the report is concerned with the classification and detailed description of the various soils and the characteristics that determine their usefulness for agriculture. The report also contains a discussion of the agriculture of the county in its relation to the soils, and the rating of the soils according to their suitability for crop production.

AG AP PR SC

**Soil survey of Huron County**

by D.W. Hoffman, N.R. Richards and F.F. Morwick. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1952. 101 p. : ill., maps. (Report ; no. 13) ISBN 0-7729-6599-4

MICROLOG 90-05757 2 fiche

This soil survey was conducted from 1936-47 and describes the different soils according to topography and texture, then discusses land use and soil management problems commonly found in the county. The soils are rated according to their adaptability to grow crops.

AG ON PR SC

**Soil survey of Kings County, Nova Scotia**

by D.B. Cann, J.I. MacDougall and J.D. Hilchey. Ottawa : Agriculture Canada ; Halifax : Dept. of Agriculture and Marketing, 1965. 97 p. : ill., maps. Bibliogr. (Report ; no. 15) *Fold. maps not filmed.*

MICROLOG 90-05959 2 fiche

This report gives information obtained from a soil survey of the county made during 1960-62. The report briefly discusses the factors, the affect, the development and use of the soils, then describes the soils in detail and their general suitability for agriculture. Soils are grouped into capability classes according to the physical hazards that limit their use for agriculture. Soils are also rated for suitability for crops commonly grown in the area.

AG AP PR SC

**The Soil survey of Oxford County**

by R.E. Wicklund and N.R. Richards. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1961. 56 p. : ill., maps. (Report ; no. 28) ISBN 0-7729-6467-X

MICROLOG 90-04772 1 fiche

The reconnaissance soil survey of Oxford County was conducted during 1953 and 1954. The report presents data on the geology, climate, soil parent materials and drainage, and shows their influence upon the kind of soil development that has taken place, indicating what effect these factors have on the types of farming which are being practiced. A description of each soil series is given together with a discussion of its use for agricultural purposes. A section is included on the rating and suitability of the various soils that occur in the county for agricultural use.

AG ON PR SC

**Soil survey of Perth County**

by D.W. Hoffman and N.R. Richards. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1952. 68 p. : ill., maps. (Report ; no. 15) ISBN 0-7729-6364-9

MICROLOG 90-04814 1 fiche

Soil survey of Perth County, based on work begun in 1936 and finished in 1946. The report gives a general description of the area, the factors affecting the formation of Perth County soils and a classification and description of the soils. Agriculture and land use is given from the first settlement to the present, along with crop adaptability and productivity ratings. Physical and chemical analytical data are also included.

AG ON PR SC ST

**Soil survey of Prince Edward County**

by N.R. Richards and F.F. Morwick. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1948. 86 p. : ill. (Report ; no. 10) ISBN 0-7729-6661-3

MICROLOG 90-05758 1 fiche

This soil survey is based on work done in the summer of 1943. The report first provides a general description of the area and the factors affecting formation of soils in the area, then discusses the classification of the soils specifically by type. Crop adaptability ratings and land use management conclude the report.

AG ON PR SC

**Soil survey of Queens County, Nova Scotia**

by D.B. Cann and J.D. Hilchey. Ottawa : Agriculture Canada ; Halifax : Dept. of Agriculture and Marketing, 1978. 48 p. : ill., maps. (Report ; no. 8) *Fold. maps not filmed.*

MICROLOG 90-05971 1 fiche

This report covers the soils of Queens County. It first gives a general description of the area and discusses the soil forming factors and their effect on soil development, then describes the characteristics of the individual soils, their use and management and their place in the agriculture of the county.

AG AP PR SC

**Soil survey of Shelburne County, Nova Scotia**

by J.I. MacDougall, D.B. Cann and J.D. Hilchey. Ottawa : Agriculture Canada, Agriculture Development Branch, 1961. 38 p. : ill., maps. (Report ; no. 10) *Fold. maps not filmed.*

MICROLOG 90-06041 1 fiche

Report on the soils of Shelburne County, Nova Scotia. The report first presents a general survey of the area, the nature of the soils, the factors affecting their formation, and how they were mapped and classified. It then describes the individual soils, their agricultural value, and their distribution in the area. Soils are rated for agricultural use, based on field observations, available yield data, physical and chemical analyses, and the morphology of the soils.

• AG AP CA SC

**Soil survey of Simcoe County**

by D.W. Hoffman, R.E. Wicklund and N.R. Richards. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1962. 109 p. : ill., maps. (Report ; no. 29)

MICROLOG 90-05297 2 fiche

Simcoe County is located in the northwestern part of south central Ontario and is one of the largest counties in southern Ontario. This report gives a general description of the area, agricultural methods and management, and a classification and description of the soils.

AG ON PR SC

**Soil survey of the Calgary urban perimeter**

by R.A. MacMillan. Edmonton : Alberta Research Council, Natural Resources Division, Terrain Sciences Dept., 1987. vii, 244 p. : ill., maps. (Bulletin ; no. 54) (Alberta soil survey

report ; no. 45) *Fold. maps not filmed.* MICROLOG 90-01795 3 fiche

Results of a new soil survey of the Calgary urban perimeter initiated in 1977 and encompassing the region of most active development and expansion around the city of Calgary. The study includes general information on the kind, characteristics, location, and areal distribution of 33 soil groups and their constituent soil units and indicates the suitability of these soils for agricultural and engineering uses.

AG AL PR PS SC

**Soil survey of the County of Beaver, Alberta**

by R.W. Howitt. Edmonton : Alberta Research Council, Terrain Sciences Dept., 1988. viii, 62 p. : ill., maps. (Alberta soil survey report ; no. 47) *Fold. maps not filmed.* MICROLOG 90-01814 1 fiche

This soil survey maps the soils at a scale of 1:50,000 and provides interpretations of the soil units for agricultural capability and potential erodibility. The report describes the location and physical environment of the county; the soils and the soil units used to describe the composition of delineations on the map; and an interpretation of the soil units for soil capability for agriculture and soil erosion potential. Data pertinent to the classification, interpretation and evaluation of the soil units is also given.

AG AL PR SC

**Soil survey of the County of Flagstaff, Alberta**

by W.L. Nikiforuk...et al. Edmonton : Alberta Research Council, Terrain Sciences Dept., 1988. vi, 88 p. : ill., maps. (Alberta soil survey report ; no. 51) *Fold. maps not filmed.*

MICROLOG 90-01816 1 fiche

This soil survey maps the soils at a scale of 1:50,000 and provides interpretations of the soil units for agricultural capability and potential erodibility. The report describes the location and physical environment of the county; the soils and the soil units used to describe the composition of delineations on the map; and an interpretation of the soil units for soil capability for agriculture and soil erosion potential. Data pertinent to the classification, interpretation and evaluation of the soil units is also given.

AG AL PR SC

**Soil survey of the County of Paintearth, Alberta**

by R.E. Wells and W.L. Nikiforuk. Edmonton : Alberta Research Council, Terrain Sciences Dept., 1988. vi, 54 p. : ill., maps. (Alberta soil survey report ; no. 49) *Fold. maps not filmed.*

MICROLOG 90-01813 1 fiche

This soil survey maps the soils at a scale of 1:50,000 and provides interpretations of the soil units for agricultural capability and potential erodibility. The report describes the location and physical environment of the county; the soils and the soil units used to describe the composition of delineations on the map; and an interpretation of the soil units for soil capability for agriculture and soil erosion potential. Data pertinent to the classification, interpretation and evaluation of the soil units is also given.

AG AL PR SC

**Soil survey of the Plains Hydrology and Reclamation Project, Battle River project area**

by T.M. Macyk and A.H. Maclean. Edmonton : Alberta Land Conservation and Reclamation Council, Reclamation Research Technical Advisory Committee, 1987. xii, 62 p. : ill., maps. Bibliogr. (Report ; RRTAC 87-10) *Fold. maps not filmed.*

MICROLOG 90-03311 1 fiche



The detailed-soil survey of the Battle River area comprises a portion of the soils-related research activities associated with the Plains Hydrology and Reclamation Project. The survey was conducted to provide detailed-soils information for lands adjacent to areas already mined and lands destined to be mined, as well as to characterize the 'reconstructed' soils in the reclaimed areas. This soil survey involves an area of 10,700 ha and includes lands adjacent to the existing operations and proposed mine areas of Luscar Ltd. and Manalta Coal Ltd. The survey also includes reconstructed soil areas within the Diplomat and Vesta Mine sites. The soils of the study area were mapped by examining the soils at 2200 sites and the soils were classified in accordance with the Canadian system of soil classification.

AL EV NR PR SC

#### Soil survey of Yarmouth County, Nova Scotia

by J.D. Hickey, D.B. Cann and J.I. MacDougall. Ottawa : Agriculture Canada, Agriculture Development Branch, 1960. 47 p. : ill., maps. (Report ; no. 9) *Fold, maps not filmed.* MICROLOG 90-06040 1 fiche

Report on the soils of Yarmouth County, Nova Scotia, surveyed on a detailed reconnaissance basis during the summers of 1952-53. The report first presents a general survey of the area, the nature of the soils, the factors affecting their formation, and how they were mapped and classified. It then describes the individual soils, their agricultural value, and their distribution in the area. Soils are rated for agricultural use, based on field observations, available yield data, physical and chemical analyses, and the morphology of the soils.

• AG AP CA SC

#### Soil survey of York County

by D.W. Hoffman and N.R. Richards. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1990. 104 p. : ill., maps. (Report ; no. 19) ISBN 0-7729-6765-2 MICROLOG 90-07307 2 fiche

Classification and description of the soil of York County, including a general description of the area, factors affecting the formation of the soils, detailed information on each type of soil, and agricultural and land use ratings.

AG NR ON PR SC

#### Soil testing and groundwater supply evaluation guidelines for residential subdivisions

prepared by Groundwater Protection Branch, Earth Sciences Division, Environmental Protection Services and Land Use Branch, Environmental Assessment Division, Environmental Evaluation Services. Edmonton : The Branches, 1987. 19 p. MICROLOG 90-02021 1 fiche

Manual setting out the guidelines for soil testing and groundwater supply evaluation guidelines for residential subdivisions in areas where servicing for sewage collection and water distribution systems are absent. The manual sets out the conditions under which the guidelines apply and the guidelines for the near surface water table, soil permeability characteristics, groundwater supply, preliminary groundwater supply evaluation, and aquifer testing.

AL EV NR PL PR SC

#### Soils of Cumberland County, Nova Scotia

by J.L. Nowland and J.I. MacDougall. Ottawa : Agriculture Canada ; Halifax : Dept. of Agriculture and Marketing, 1973. 148 p. : ill., maps. Bibliogr. (Report ; no. 17) *Fold, maps not filmed.* MICROLOG 90-05963 2 fiche

This report presents the findings of a soil survey of the county conducted from 1966-69. The report begins with a discussion of the geographical setting of the soils, climate, geology, landforms, vegetation, and a brief economic history of the area. There follows an explanation of how the soils were distinguished and mapped and an account of the characteristics of each of the 29 soils and land types on the map. Land use is described, including recent farming trends, farm and forest production, the rated capability of the various soils to support agriculture and forestry, and their limiting factors. A section on the engineering aspects of the soils is included. A detailed profile description representative of each soil is provided, followed by comments on the significance of the analytical data.

AG AP PR SC

#### Soils of Prince Edward Island

by J.I. MacDougall, C. Veer and F. Wilson. Charlottetown : Agriculture Canada, Research Branch, 1988. ix, 210 p. : ill., maps. Bibliogr. (LRRC contribution ; no. 83-54) *Fold, maps not filmed.* ISBN 0-662-15941-1 MICROLOG 90-00437 3 fiche

Report on the soils of Prince Edward Island, beginning with a discussion of the geographical setting of the soils, climate, geology, landforms, vegetation, and drainage. The second section discusses soil formation and classification, and explains mapping procedures, map preparation and symbolization. The section on land use includes present farming trends, farm and forest production, and capability ratings of the various soils to support agriculture and forestry based on soil-limiting factors. Nonagricultural land uses are briefly discussed, as are the classification, capability, and land use possibilities of organic soils. A glossary is included.

AG AP CA PS SC

#### Soils of the Birtle, Elkhorn, Hamiota, Newdale, Rapid City, Shoal Lake and Strathclair townships

by G. Podolsky. Winnipeg : Dept. of Agriculture ; Agriculture Canada ; University of Manitoba, Dept. of Soil Science, 1988. xvi, 115 p. : maps. Bibliogr. (Soils report ; no. D65) *Fold, map not filmed.* MICROLOG 90-02359 2 fiche

This soils report contains information about the soils, their origin and formation, their classification, and their potential for various uses such as dryland agriculture, irrigation, engineering and recreation. The report provides a general description of the area; describes the methodology used in the study; discusses the development, scientific classification and morphological characteristics of the soils in the study area; and provides an interpretation of soil properties and associated landscape features as they affect soil capability or suitability for various uses.

• AG CA MS PS SC

#### Soils of the Flin Flon area

by R.G. Eilers and D. Swidinsky. Winnipeg : Canada-Manitoba Soil Survey, 1989. xvii, 140 p. : ill., maps. (Soils report ; no. D48) *Fold, map not filmed.* MICROLOG 90-03415 2 fiche

The report gives a general description of the area; describes the methodology used in the study; discusses the development, scientific classification and morphological characteristics of the soils in the study area; and provides an interpretation of soil properties and associated landscape features as they affect soil capability or suitability for such uses as dryland agriculture, irrigation, engineering and recreation.

AG MS PR SC

#### Soils of the Passadena-Deer Lake area, Newfoundland

by G.E. Kirby. St. John's : Agriculture Canada, Research Branch, 1988. ix, 154 p. : ill., maps. Bibliogr. (Report ; no. 17) (LRRC contribution ; no. 85-05) *Fold, maps not filmed.* ISBN 0-662-16377-X MICROLOG 90-00436 2 fiche

The Passadena-Deer Lake area is located in the western portion of the province and covers 24,000 ha. This report contains detailed descriptions of the major soils and their range of characteristics, along with general information about the areas, climate, geology, vegetation, and surficial geology. The maps and report provide information on the type, extent, and distribution of the soils, with special reference to their agricultural potential.

AG AP CA PS SC

#### Soils of the Plum Lakes Project

by W. Michalyna and E. St. Jacques ; for Oak and Plum Lakes Resource Management Task Force. Winnipeg : Canada-Manitoba Soil Survey, 1989. viii, 87 p. : maps. (Soils report ; no. D81) *Fold, map not filmed.* MICROLOG 90-03417 2 fiche

This report presents a general description of the area; describes the soil mapping and sampling methodology; discusses the development, scientific classification and morphological characteristics of the soils in the study area; and provides an interpretation of soil properties and associated landscape features as they affect soil capability or suitability for dryland agriculture, irrigation, engineering and recreation.

AG MS PR SC

#### The Soils of the Regional Municipality of Niagara

by M.S. Kingston and E.W. Presant. Toronto : Ministry of Agriculture and Food ; Ottawa : Agriculture Canada, Research Branch, 1989. 2 v. : ill., maps. Bibliogr. (Report ; no. 60) (LRRC contribution ; no. 89-17) ISBN 0-7729-5951-X MICROLOG 90-04801 3 fiche

Two volume soil report, based on information obtained during the resurveying of the former Counties of Lincoln and Welland, now combined into the Regional Municipality of Niagara. The resurvey began in 1980 and finished in 1987 at a more detailed scale than the survey of 1935. Vol. 1 contains an outline of the environmental setting of the soils, generalized descriptions of the soils, soil interpretations and an appendix containing some generalized analytical information for selected soils. Vol. 2 contains detailed morphological, chemical and physical descriptions of typical soils, and in addition, tables of statistical means and engineering test data. In addition to the soil report, there are 7 soil maps published at a scale of 1:25,000 and one soil map with generalized soil information at a scale of 1:100,000. These maps are not included here.

AG ON PR SC

#### Soils of the rural municipality of Victoria

by M.N. Langman. Winnipeg : Canada-Manitoba Soil Survey, 1989. viii, 149 p. : maps. (Soils report ; no. D75) *Fold, maps not filmed.* MICROLOG 90-00438 2 fiche

Inventory of the soils within the Rural Municipality of Victoria, containing a brief description of the location, environmental setting and major soil landscapes of the study area. The report includes a small scale generalized soil map, schematic keys to the soil series and detailed soil series descriptions, as well as a brief explanation and tabulation of interpretations for the soils mapped in the report area. Soil suitability interpretations include both dryland (agricultural capability) and irrigated agriculture



ratings, as well as selected engineering and recreational uses.  
AG MS PR PS SC

**Soins esthétiques : orientations pour le développement du secteur : document de consultation**

Québec : Gouvernement du Québec, Ministère de l'éducation, Direction de la formation professionnelle, 1989. 113 p. ISBN 2-550-14794-4  
MICROLOG 90-02477 2 fiche

Afin de mettre en lumière les avenues possibles du développement de l'enseignement professionnel dans le secteur des 'Soins esthétiques' le rapport examine les points suivants: le profil socio-économique du secteur (entreprises, travailleurs, professions, faits nouveaux); les besoins de main-d'oeuvre anticipés pour chaque profession exercée dans le secteur; l'organisation de la formation professionnelle (programmes, clientèles, lieux de formation); l'écart entre le nombre de finissants formés par le système d'éducation et le nombre de travailleurs requis dans l'industrie. Les quatre premiers chapitres fournissent des éléments de réponses à ces points. Ceux-ci font l'objet des chapitres 5 et 6.  
LA PR QU

**Solar and wind energy**

St. John's : Dept. of Mines and Energy, 1989. 2 p. : ill. (Energain)  
MICROLOG 90-03790 1 fiche

Short summaries of the use of solar and wind energy. The projects described include passive solar sunspaces in houses, solar heating for swimming pools, photovoltaic energy generation for a house, and a wind energy conversion system for a house.  
AP EN PR SC

**Solar thermal technology report**

Enermodal Engineering Ltd. Toronto : Ministry of Energy : Ottawa : Energy, Mines and Resources Canada, 1987. viii, 101 p. : ill. Bibliogr.  
MICROLOG 90-01242 2 fiche

Summary of the status of available products and systems, support services, economics, performance and future prospects for active solar thermal technology. The report emphasizes solar technology found in Ontario and, to a lesser extent, the rest of Canada. Solar technology outside of Canada is discussed only if it might reasonably be applied in Ontario.  
• CA EN PS SC

**Solar Water Disinfection : proceedings of a workshop**

edited by T.A. Lawand...et al. Ottawa : International Development Research Centre, 1988. 239 p. : ill. Bibliogr. (Manuscript report ; 231e)  
MICROLOG 90-03831 3 fiche (Available on fiche only)

Proceedings of a workshop to review the state of the art of solar water disinfection; identify research needs; develop guidelines on testing methodologies to provide for a better comparison of results between research projects; and to develop field testing methodologies of water disinfection for the introduction of this technique at the village level, taking account of relevant socio-cultural and economic considerations. The proceedings also contain summaries of the principal discussions and recommendations. An extensive annotated bibliography, directory, and glossary is also included.  
CA EX NR PS SC

**Solid Waste Environmental Assessment Plan (SWEAP) : the current situation in Metropolitan Toronto and the Greater Toronto Area**

by W.G. Crowther. Toronto : Metro Works Dept., Solid Waste Management Division, 1990. 27 p. : ill. Presented at the Conference on Municipal Solid Waste. CSI 89213.200  
MICROLOG 90-06911 1 fiche

This report provides background information to the Plan, including the current status of landfill sites for Metro Toronto, the amount of time remaining before they are all filled, and the introduction and processes contemplated by the solid waste environmental assessment plan. The Plan and its goals are described, along with the reasons for immediate action.  
EV MU ON SC ST

**Solid waste terminology**

by L. Vincent. Ottawa : Federation of Canadian Municipalities ; Translation Bureau, 1981. viii, 100, viii, 106 p. Bibliogr. (Terminology bulletin ; 167) *Bilingual (Terminologie des déchets solides)*. ISBN 0-660-50809-5  
MICROLOG 90-04842 3 fiche

English-French, French-English glossary of solid waste terms which would be useful to a municipal refuse department in the conduct of its everyday business and especially in its dealings with the public. Many of the English terms were suggested by the American Public Works Association and the U.S. Environmental Protection Agency. Quoted explanations include a formal definition, the use of the term in context, and a sample of usage. Where several terms are given for the same concept, the term chosen as the main entry is the one deemed most appropriate in the Canadian context.  
CA EV SC

**Solution approaches for multimode multiproduct assignment problems**

by O. Drissi-Kaitouni. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 30 p. : ill. (Publication ; no. 653)  
MICROLOG 90-01402 1 fiche

Paper dealing with the solution of multimode multiproduct assignment models used to analyse freight transportation networks at regional and national levels. The paper evaluates the efficiency of some variants of the linear approximation algorithm, where each iteration and for each product, 1, 2 or 3 extremal points are generated and a 1, 2 or 3-dimensional search (exact or approximate) is performed. The paper also points out some costly computations that may be avoided to reduce the total execution times.  
PR PS QU SC TR

**Solving the maximum clique problem using a Tabu Search approach**

by M. Gendreau, L. Salvail and P. Soriano. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 22 p. Bibliogr. (Publication ; no. 675)  
MICROLOG 90-03008 1 fiche

Description of deterministic and probabilistic variants of a Tabu Search heuristic for the maximum clique problem. The paper also introduces a new random graph generator, the p-generator, which produces graphs with larger clique sizes than comparable ones obtained by classical random graph generating techniques. Computational results on a large set of test problems randomly generated with this new generator are reported and compared with those of other approximate methods.  
PR QU SC TR

**Solving the maximum clique problem using a Tabu Search approach -- Rev.**

by M. Gendreau, L. Salvail and P. Soriano. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 25 p. Bibliogr. (Publication ; no. 675)  
MICROLOG 90-06637 1 fiche

Paper describing a deterministic and a probabilistic variant of a tabu search heuristic for the maximum clique problem. This heuristic may be viewed as a natural alternate implementation of tabu search for this problem when compared to existing ones. The paper also presents a new random graph generator which produces graphs with larger clique sizes than comparable ones obtained by classical random graph generating techniques. Computational results on a large set of test problems randomly generated with this new generator are reported and compared with those of other appropriate methods.  
PR PS QU SC TR

**Some aspects of licencing conditions applying to licences granted to fish farms by the Water Rights Court**

by S. Salonen and T. Ojanen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5275) *Originally published in Finnish*. ISSN 0704-3716  
MICROLOG 90-02745 1 fiche

Description of certain licensing conditions for fish farms in Finland, including the major conditions to be met, restrictions on feed and quantity of water, and methods of compliance.  
• CA CF FI SC

**Some energy conservation concepts for recreational facilities**

Edmonton : Alberta Energy, Research and Technology Branch, 1990. 10 p. : ill. Bibliogr. *Projects supported in part by the Alberta/Canada Energy Resources Research Fund Committee*. ISBN 0-86499-668-3  
MICROLOG 90-05872 1 fiche

Examples of situations at recreational facilities that were suitable for energy conservation measures. The examples include waste heat recovery at the Triplex Arena in Okotoks; a demonstration of low emissivity ceilings in ice arenas; an energy analysis and retrofit of public swimming pools; and a swimming pool dehumidification demonstration at the University of Lethbridge.  
AL CU EN PR SC

**Some lacunae in demographic data collection in South Asia with special reference to India**

by P. Krishnan. Edmonton : University of Alberta, Dept. of Sociology, 1990. 14 p. Bibliogr. (Research discussion paper ; no. 62) ISSN 0317-2473  
MICROLOG 90-06444 1 fiche

Report on the deficiencies in demographic data collection in India in the areas of differential mortality, differential fertility, marriage and remarriage, migration and social mobility, and labour force. Lists of demographic data sources for India, Bangladesh, Pakistan, Nepal and Sri Lanka are given also.  
• CA EX SA

**Some notable accomplishments, 1984-88**

by W.G. Hanson and B.C. Jeppesen. Toronto : Ontario Hydro, Research Division, 1989. i, 35 p. (Report ; no. 89-89-K)  
MICROLOG 90-00404 1 fiche

List of high-benefit (at least \$1M or substantial non-monetary gains) projects which reached technical completion from 1984-88, divided into



categories depending on the fraction of the benefit realized and the difficulty in quantifying it. The categories include realized benefits, expected benefits, and benefits difficult to quantify, with projects in each listed. A brief description of each project categorized as a notable accomplishment is given.  
EN ON PR PS PW SC

### Some practical advice on cold weather clothing

by B. Farnworth. Ottawa : Defence Research Establishment Ottawa, 1989. v, 12 p.  
(Technical note ; no. 89-21)  
MICROLOG 90-01284 1 fiche

Considerable research and development has been carried out on cold weather clothing at the Defence Research Establishment Ottawa. This paper explains the practical knowledge gained in the course of this work. It deals in turn with the five elements of good winter clothing: design, thickness, dryness, wind proofness, whole-body coverage, and flexibility. It concludes with explanations of how breathable fabrics, wicking fabrics, and aluminized materials work, and how practical they are.  
CA EX PS SC

### Some protocols for cDNA library construction with conifer tissues

by J.A. Pitel and W.M. Cheliak. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1989. v, 66 p.  
Bibliogr. (Information report ; PI-X-95) ISSN 0706-1854 ISBN 0-662-17325-2  
MICROLOG 90-01237 1 fiche

This handbook presents protocols for constructing cDNA libraries using conifer or other plant tissue as a source. Included are methods for RNA extraction that vary in terms of buffer composition, length of time for extraction, the requirement for ultracentrifugation, the degree of purification, and others. Methods for separating messenger (m)RNA from ribosomal (r)RNA, electrophoresis of mRNA, and Northern blotting are described. For cDNA library construction, methods are presented for 1st and 2nd strand synthesis, isolation of high molecular weight cDNA, electrophoresis of cDNA, ligation reactions to the vectors, and extraction of insert cDNA from the vector. Also included is useful information for those starting to work in this field, such as addresses for suppliers of chemicals and equipment, recipes for stock solutions, references for more detailed information, and suggestions as to which method might be successful for different tissues and species.  
● CA FO SC TE

### Some questions on the population biology of helminths of salmonid fish of Lake Azabache, Kamchatka

by T.Y. Butorina. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 19 p. : ill.  
Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5285) Originally published in Russian, by the Academy of the Sciences, in the U.S.S.R. ISSN 0704-3716  
MICROLOG 90-02130 1 fiche

Recently, the approach to parasites as components of the biocoenosis has been firmly established. According to this approach, parasites have a major effect on the size of the populations of their hosts, regulating and maintaining it at a level which will ensure the survival of the population of parasites. This paper studies some widespread helminths of salmonid fish of Lake Azabache and their infestation of invertebrates (intermediate hosts) and fish (final hosts); the structure of the imaginal hemipopulations of parasites and their spatial distribution in the intestines of fish; and the effect of different species on each other

during co-parasitism  
● CA CF FI LS SC

### Some recent developments in fuel technology in France

by R.P. Charbonner. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1960. i, 13 p.  
Bibliogr. (Report ; FMP 60-149-PRE)  
MICROLOG 90-04531 1 fiche

Summary of contacts made and recent developments noted in the Paris area, at the International Conference on Strata Control, at the Institut Français du Pétrole and at Gaz de France and during visits in southwestern France at the Parentis oil field, the Lacq gas field and the Lussagnet gas storage field  
● CA CM EN PS SC

### Sommaire chronologique de l'écoulement : Alberta jusqu'à 1988 : supplément

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1990. xii, 63 p.  
*Bilingue (Historical streamflow... Alberta...)*.  
CSI 22296.004. ISBN 0-662-57565-2  
MICROLOG 90-06929 1 fiche

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au Coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme. Ce document comprend le sommaire chronologique complet de l'écoulement pour certaines stations. On y a recueilli les données de base sous la supervision de Chef régional de la Direction des ressources en eau, à Calgary (Alberta).  
AL CA NR SC ST

### Sommaire chronologique de l'écoulement : Colombie-Britannique, 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xii, 1056 p.  
*Bilingue (Historical streamflow... British Columbia...)*.  
CSI 22296.021. ISBN 0-662-56772-2  
MICROLOG 90-00803 11 fiche

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau de la Colombie-Britannique, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1988 inclusivement. Ce document se penche particulièrement sur les points suivants: l'organisation et l'histoire des relevés hydrométriques; la coopération et les remerciements; les équivalences des unités de mesure, les définitions des termes et abréviations; la publication des données sur les eaux de surface et les sédiments; l'explication du 'Sommaire chronologique de l'écoulement' (la description générale et la présentation sous forme de tableaux des données); les révisions; l'exactitude des données hydrométriques, les données sur les eaux de surface des stations de jaugeage énumérées par ordre alphabétique; un index alphabétique; et, un index numérique des stations.  
BC CA EV NR PS SC ST

### Sommaire chronologique de l'écoulement : Ontario jusqu'à 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xii, 611 p.  
*Bilingue (Historical streamflow... Ontario...)*

CSI 22296.016. ISBN 0-662-56768-4  
MICROLOG 90-01285 7 fiche

Ce document présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. Plus précisément, on trouvera les renseignements descriptifs pour une station de relevés de l'écoulement, qui sont fournis après l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude, de la superficie du bassin versant, du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station.  
CA EV NR ON PS SC ST

### Sommaire chronologique de l'écoulement : Québec jusqu'à 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada : Longueuil, Québec : Environnement Canada, Direction générale des eaux intérieures, Région du Québec, Quantité et qualité de l'eau, 1989. xiii, 494 p.  
*Bilingue (Historical streamflow... Québec...)*.  
CSI 22296.019. ISBN 0-662-56774-9  
MICROLOG 90-02787 6 fiche

Ce document se penche sur les points suivants: l'organisation de la Direction générale des eaux intérieures, région du Québec, l'histoire des relevés hydrologiques au Québec, les équivalences des unités de mesure, les publications des données sur les eaux de surface et les sédiments, l'explication du 'Sommaire chronologique de l'écoulement'; et, les données sur les eaux de surface. Les stations de jaugeage sont énumérées dans l'ordre alphabétique.  
CA EV NR PS QU SC ST

### Sommaire chronologique de l'écoulement : Yukon et Territoires du Nord-Ouest jusqu'à 1988

Ottawa : Environnement Canada, Direction générale des eaux intérieures, Direction des ressources en eau, Division des relevés hydrologiques du Canada, 1989. xii, 155 p.  
*Bilingue (Historical streamflow... Yukon...)*.  
CSI 22296.020. ISBN 0-662-56773-0  
MICROLOG 90-02137 2 fiche

Ce document présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau du Yukon et des Territoires du Nord-Ouest, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1988 inclusivement. La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.  
CA EV NO NR PS SC ST

### Sommaire de l'Entente de principe concernant la revendication territoriale de la Fédération Tungavik du Nunavut

Ottawa : Affaires indiennes et du Nord Canada, 1990. iv, 11 p. : carte géogr. L'éd. anglaise (*Guide to the Tungavik...*) sur la même fiche.  
MICROLOG 90-04757 1 fiche

La Fédération Tungavik du Nunavut (FTN), le gouvernement du Canada et le gouvernement des Territoires du Nord-Ouest (GTNO) ont ratifié une entente de principe visant à régler la revendication territoriale globale présentée par les Inuits en 1976. Les revendications



globales sont fondées sur l'utilisation et l'occupation traditionnelles des terres par les Autochtones. Ce document se penche sur la question et en fournit un sommaire.  
CA NO NP

### Sommaire du rapport de l'étude sur la santé cardiaque au Nouveau-Brunswick

par B.C. Balram. Fredericton : Ministère de la santé et des services communautaires ; Ottawa : Santé et bien-être social Canada, 1989. 8, 8 p. *Bilingue (Summary of the New Brunswick heart...)*.  
MICROLOG 90-03194 1 fiche

L'étude sur la santé cardiaque au Nouveau-Brunswick fut entreprise en 1988 par la Division de la Santé publique et des Services médicaux du Ministère de la Santé et des Services communautaires du Nouveau-Brunswick. La raison principale d'avoir entrepris cette étude était de connaître combien de Néo-Brunswickois sont à risque de crises cardiaques et d'accidents cérébro-vasculaires. De plus, on voulait recueillir de l'information pour savoir ce que les gens savent au sujet des facteurs responsables de la maladie cardiaque et des accidents cérébro-vasculaires, tels que l'hypertension artérielle, l'hypercholestérolémie et le tabagisme. Ce document se penche sur la question et en donne les points saillants.  
AP BS HE PR SC

### Sommaires des rapports de dépenses électorales : partis politiques, candidats

Québec : Directeur général des élections du Québec, 1990. 78 p. *CSI 67136.007*. ISBN 2-550-20540-5  
MICROLOG 90-04769 1 fiche

Cette publication contient les sommaires des rapports des dépenses électorales effectuées par tous les candidats et les partis politiques à l'occasion des élections générales du 25 septembre 1989. Les chiffres qui y figurent sont tels qu'ils apparaissent dans les rapports soumis par les agents officiels en date du 5 février 1990.  
CO PA PR QU

### Les Sommets de la francophonie : perspective canadienne -- Rév.

par F. Coulombe. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 19 p. Bibliogr. (Bulletin d'actualité ; 88-1F). *L'éd. anglaise (The Francophone summits...) sur la même fiche*. ISBN 0-660-92796-9  
MICROLOG 90-03026 1 fiche

Ce bulletin d'actualité évoque brièvement les décisions prises lors des sommets de Paris (février 1986) et de Québec (septembre 1987) et présente un bilan sommaire de la mise en oeuvre des actions décidées au Sommet de Paris ainsi qu'un aperçu du suivi du Sommet de Québec, tout en soulignant particulièrement la contribution canadienne à ces réalisations.  
CA CU EX

### Soo TSA options report

Victoria : Ministry of Forests, 1990. 34 p.  
MICROLOG 90-05557 1 fiche

The options report for the Soo timber supply area (TSA) is an intermediate step in the preparation of a resource management plan for the area. This options report contains a number of potential management choices and lists the anticipated impacts of each in order to solicit public response. The report presents a description of the TSA and its resources, the forest management issues involved, and the options available for timber production, recreation, and fish and wildlife conservation.  
BC FO PR SC

### SOQUEM : Rapport annuel 1988-89

Sainte-Foy, Québec : SOQUEM, 1989. 19 p. *CSI 67205.001*. ISSN 0706-313X  
MICROLOG 90-01012 1 fiche

La stratégie de recherche minière adoptée par la Société s'articule autour des deux principes suivants: a) la consolidation des sources d'approvisionnement des substances minérales présentement en exploitation au Québec, et, b) la diversification dans la nature même des substances minérales ayant un potentiel économique. Ce document présente le rapport annuel de la SOQUEM et en donne les états financiers.  
NR PR QU SC

### SOQUEM : Rapport annuel 1989-90

Sainte-Foy, Québec : SOQUEM, 1990. 20 p. *CSI 67205.001*. ISSN 0706-313X  
MICROLOG 90-07330 1 fiche

SOQUEM est une société d'Etat responsable de l'exploration minière. Ce rapport annuel présentant une vue d'ensemble des activités de la compagnie, notamment sur la Direction Exploration. Inclut les états financiers consolidés.  
CO NR PR QU SC

### SOQUIP : Rapport annuel 1988-89

Sainte Foy, Québec : SOQUIP, 1989. 24 p. *CSI 67202.001*. ISSN 0714-5497 ISBN 2-550-19810-7  
MICROLOG 90-01060 1 fiche

Présente le rapport annuel de la Société SOQUIP. La Société couvre les domaines de l'exploration, de la production, de l'approvisionnement et de la distribution d'hydrocarbures. Le rapport donne les points saillants ainsi que des données sur les filiales et sociétés affiliées.  
CO EN PR QU SC

### SOQUIP : Rapport annuel 1989-90

Sainte-Foy, Québec : SOQUIP, 1990. 20 p. : ill. *CSI 67202.001*. ISSN 0714-5497 ISBN 2-550-20786-6  
MICROLOG 90-07331 1 fiche

SOQUIP est une société d'Etat qui oeuvre dans le domaine de l'énergie. SOQUIP, ses filiales et ses compagnies associées sont principalement actives dans les secteurs de l'exploration et de la production pétrolière et gazière, de l'approvisionnement en énergie et de la distribution du gaz naturel. Ce rapport annuel fait le bilan des activités de la Société.  
CO EN PR QU SC

### Sour gas study of the Calgary region

by CEP Consultants Ltd., J.R. Century Petroleum Consultants Ltd., and Calgary Regional Planning Commission. Calgary, Alta. : The Authors, 1985. iii, 102 p. : maps. Bibliogr.  
MICROLOG 90-01995 2 fiche

Study was initiated in response to a request from the Alberta Energy Resources Conservation Board (ERCB) that the Commission become more involved in the land use implications of sour gas development in the Region. The report includes an inventory of proven and potential reserves and facilities; a description of the regulation and control agencies of the sour gas industry; an overview of the land use planning policies of the Region, and a review of the potential conflicts or relationships between the use of the land and the continued development of the sour gas industry. The report also describes potential conflict areas in detail and examines management strategies to reduce potential conflicts between surface and subsurface development. An analysis of the preliminary data and the resulting recommendations, as endorsed by the Commission, is included.  
AL EN PR SC

### Sources d'archives sur les finno-canadiens

par E.W. Laine. Ottawa : Archives nationales du Canada, 1989. v, 104, vii, 104 p. Bibliogr. (Collection des guides ethnoculturels) *Bilingue (Archival sources for...)*. ISBN 0-662-56435-9  
MICROLOG 90-01632 3 fiche

Ce document inclut un résumé du patrimoine de la communauté finno-canadienne et il présente des renseignements qui porte sur le Programme d'archives finno-canadiennes, les principaux fonds de la Division des manuscrits portant sur cette communauté, et les autres fonds relatifs aux Finno-Canadiens.  
CA CU

### Souris Basin Development Authority (Sask.) : Annual report 1989

Estevan, Sask. : The Authority, 1990. 12 p. *CSI 72210.001*.  
MICROLOG 90-05094 1 fiche

The report discusses the Rafferty/Alameda multiple objective water management project on the Souris River system in southeastern Saskatchewan. It is a project designed to address the water scarcity problem as well as providing recreation, irrigation, industrial, municipal water supply and flood control. Includes financial statements.  
MS NR PL PR SC

### Souris Valley Regional Care Centre : Annual report 1988-89

Weyburn, Sask. : The Centre, 1989. 20 p. : ill. *CSI 72203.001*.  
MICROLOG 90-03497 1 fiche

This annual report reviews major accomplishments of the year, and the activities of the various Departments. It provides financial statements.  
HE MS MU PR

### South East Economic Commission (N.B.) : Annual report 1988-89

Shediac, N.B. : The Commission, 1989. 71 p. *Bilingual. CSI 46162.001*.  
MICROLOG 90-04027 1 fiche

This annual report contains the Chair's report, the Industrial Commissioner's report; and financial statements.  
AP CO PR

### South Lorrain Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 183 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 480) *Fold. maps not filmed*.  
MICROLOG 90-05620 2 fiche

Geological data inventory for South Lorrain Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, type of exploration work by company, drillhole summary by company, Landsat photos available, newspaper clippings available, results of an ODM general index search, selected references, and air photos available.  
NR ON PR PS SC

### South Saskatchewan Hospital Centre : Annual report 1988-89

Regina : The Centre, 1989. 24 p. : ill. *CSI 72205.001*.  
MICROLOG 90-03456 1 fiche

Presents the year in review, lists medical staff, and contains a statement of the Centre's financial position.  
HE MS PR SC



**South Whiteshell redevelopment study : summary**

McGowan Design Group Inc. Winnipeg : Legislative Library, 1990. 7 p. : fold. maps. MICROLOG 90-07160 1 fiche

Summary of a report looking into the opportunities for the Falcon Lake and West Hawk Lake areas for accommodation, commercial facilities and services required to develop a financially viable year-round resort community. Existing and potential markets for resort accommodation, retail and service facilities were examined and an analysis of land use considerations undertaken. The summary includes recommendations, and development considerations for each lake area. MS PL PR SC

**The Southern Kings and Queens County area community profile**

Prince Edward Island. Research, Evaluation and Technical Services. Charlottetown : The Services, 1989. 55 p. : ill. MICROLOG 90-03870 1 fiche

Examines the social and economic characteristics of the Southern Kings and Queens County area. It also makes comparisons with the province where possible. The following subject areas are discussed: population; age distribution; marital status; home language, mother tongue, and official language; ethnic origin; place of birth; mobility status; highest level of education; dwelling characteristics; labour force activity; occupation; industry; class of worker; and 1985 income. AP MU SA

**Sowing and planting shagbark and bitternut hickories on former farmland in southern Ontario**

by F.W. Von Althen. Sault Ste. Marie, Ont. : Canadian Forestry Service, Great Lakes Forestry Centre, 1990. 11 p. : ill. Bibliogr. (Information report : O-X-403) ISSN 0832-7122 ISBN 0-662-16813-5 MICROLOG 90-03205 1 fiche

Six species of hickory occur naturally in southern Ontario. Of these, shagbark and bitternut are fairly common, while the other species are relatively rare and are confined to the most southerly parts of the deciduous forest region. Interest has been growing in these species because of their economic and agricultural value. Both shagbark and bitternut hickories were sown or planted in former fields near Parkhill, Middlesex County, Ontario and growth rates and survival were evaluated after 5 years. This report presents the results of the evaluation. • CA FO ON SC

**The Space station : Canada's contribution -- Rev.**

by L.C. Myers. Ottawa : Library of Parliament, Research Branch, 1989. 12 p. Bibliogr. (Current issue review : 87-5E) French ed. (*La Station spatiale...*) on the same fiche. ISBN 0-660-13392-X MICROLOG 90-03031 1 fiche

Review of Canada's contribution to the U.S. development of a permanent space station. The Canadian participation involved the development and operation of the Mobile Servicing Centre (MSC). The report examines the proposed configuration of the space station, Canada's involvement in developing and operating the MSC and the benefits which Canada hopes to derive from this involvement. CA CI PS SC TE

**Space-based radar simulation laboratory**

by S.Y. Maskell. Ottawa : Defence Research Establishment Ottawa, 1989. vi, 18 p. Bibliogr. (Technical note : no. 89-24) MICROLOG 90-01635 1 fiche

The Defence Research Establishment Ottawa is developing a space-based radar simulation laboratory which will initially consist of 2 simulators, an SBR system simulator and an integrated surveillance and interception response system simulator. This technical note describes both simulators and the expected capability of the laboratory. Details on the development approach and on laboratory hardware are provided, including a high level overview of the user operations for the 2 simulators. CA EX PS SC

**A Spatial analysis of service centres in Alberta, 1986 : part I**

see The Differentiation of Alberta service centres, 1985

**A Spatial analysis of service centres in Alberta, 1986 : part II, changes in the commercial importance of the service centres in Alberta, 1977-85**

by W.K.D. Davies. Edmonton : Alberta Municipal Affairs, 1987. 44 p. : maps. Bibliogr. CSI 34112.204. MICROLOG 90-05194 1 fiche

Second of a series of studies of rural service centres in Alberta in the mid-1980s, the purposes of which are to define the general characteristics of these nodes on a province-wide basis and to identify the spatial variations in the numbers of places as well as the recent changes in the relative sizes of centre. This report describes the variations that have taken place in the relative importance of 376 service centres from 1977-85. The report covers changes in commercial numbers; distribution of changes by grade of place; spatial distribution of changes; and changes in the functional imbalances of the centres. AL CO PR SC ST

**A Spatial analysis of service centres in Alberta, 1986 : part III, population changes in the service centres of Alberta, 1981-86**

by W.K.D. Davies. Edmonton : Alberta Municipal Affairs, 1987. 28 p. Bibliogr. CSI 34112.205. MICROLOG 90-05193 1 fiche

This study provides a comment on data sources; a descriptive analysis of the spatial patterns of population change in Alberta's settlements over the 1981-86 period; and a descriptive analysis of the population changes in the service centre hierarchy in the province. AL PR SA ST

**Spatial price indexes, Yellowknife-Edmonton**

Yellowknife : Bureau of Statistics, 1987. vii, 24 p. : ill. CSI 75102.004. ISSN 0824-8184 MICROLOG 90-03175 1 fiche

This report expresses price differences between Yellowknife and Edmonton as index numbers where the index value for Edmonton is set at 100. An index value "x" points higher or lower than 100 indicates a price level "x" percent higher or lower in Yellowknife compared to Edmonton. These differences may be interpreted as how much more or less an Edmonton household would pay if its consumer expenditures were made at Yellowknife prices. AL CO MU NO PR ST

**Spawning areas of British Columbia herring : a review, geographical analysis and classification, vol. I : Queen Charlotte Islands**

by D.E. Hay...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. v, 135 p. : maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences : no. 2019) ISSN 0706-6473 MICROLOG 90-03408 2 fiche

The geographical distribution of herring spawning in B.C. was analysed for 50 years, from 1937-86, based on approximately 20,000 records of spawning made annually for different regions of the B.C. coast. For each of about 90 geographical subdivisions of the coast, tables are presented to show the annual frequency of spawns in 1 km segments of the coast. The intensity of spawning in specific areas is shown by histograms. Separate tables present a statistical summary of spawn records, including mean spawning dates. Tables summarizing roe fishery activity (1972-86) are shown for each location. A descriptive summary including a classification of the ecological importance of herring spawning habitat, is presented for each area. • BC CA CF FI LS SC

**Spawning areas of British Columbia herring : a review, geographical analysis and classification, vol. II : north coast**

by D.E. Hay...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. v, 99 p. : maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences : no. 2019) ISSN 0706-6473 MICROLOG 90-02296 2 fiche

The geographical distribution of herring spawning was analysed for 50 years, from 1937-86, based on 20,000 records of spawning made annually for different regions of the coast. For each of 90 geographical subdivisions of the coast, tables show the annual frequency of spawns in 1 km segments. The intensity of spawning in specific areas is shown, along with a statistical summary of spawn records, including mean spawning dates, and roe fishery activity from 1972-86 for each location. A descriptive summary including a classification of the ecological importance of herring spawning habitat is presented for each area. • BC CA CF FI LS SC

**Spawning areas of British Columbia herring : a review, geographical analysis and classification, vol. III : upper central coast**

by D.E. Hay...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, Pacific Biological Station, 1989. v, 171 p. : maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences : no. 2019) ISSN 0706-6473 MICROLOG 90-04784 2 fiche

Analysis of the geographical distribution of herring spawning in B.C. from 1937-86. The analysis was based on 20,000 records of spawning made annually for different regions of the B.C. coast. For each of 90 geographical subdivisions, tables are presented to show the annual frequency of spawns in 1 km segments, along with histograms showing the intensity of spawning in specific areas. Separate tables present a statistical summary of spawn records, including mean spawning dates and tables summarizing roe fishery activity from 1972-86 are shown for each location. A descriptive summary, including a classification of the ecological importance of herring spawning habitat, is presented for each area. • BC CA CF FI LS SC

**Spawning areas of British Columbia herring : a review, geographical analysis and classification, vol. IV : lower central coast and Johnstone Strait**

by D.E. Hay...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, Pacific Biological Station, 1989. vi, 254 p. : maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences : no. 2019) ISSN 0706-6473 MICROLOG 90-03408 2 fiche



sciences ; no. 2019) ISSN 0706-6473  
MICROLOG 90-04783 3 fiche

Analysis of the geographical distribution of herring spawning in B.C. from 1937-86. The analysis was based on 20,000 records of spawning made annually for different regions of the B.C. coast. For each of 90 geographical subdivisions of the coast, tables are given to show the annual frequency of spawns in 1 km segments of the coast, with the intensity of spawning in specific areas shown by histograms. Separate tables present a statistical summary of spawn records, including mean spawning dates. Tables summarizing roe fishery activity from 1972-86 are shown for each location and a descriptive summary including a classification of the ecological importance of herring spawning habitat is presented for each area.  
• BC CA CF FI LS SC

**Spawning areas of British Columbia herring : a review, geographical analysis and classification, vol. V : Strait of Georgia**

by D.E. Hay...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. vi, 268 p. : maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2019) ISSN 0706-6473  
MICROLOG 90-01069 3 fiche

In recent years there has been increased awareness and concern by industry, government and the public about the environmental protection of Pacific herring spawning grounds. A number of nearshore developments, such as oil exploratory activities and mariculture establishments, could affect some inter- and subtidal spawning areas used by herring. This report provides the basis for identifying significant herring spawning areas and locations which support major herring fisheries.  
• BC CA CF FI LS SC

**Spawning areas of British Columbia herring : a review, geographical analysis and classification, volume VI : West Coast Vancouver Island**

by D.E. Hay...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. vi, 213 p. : maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2019) ISSN 0706-6473  
MICROLOG 90-01406 3 fiche

Analysis of the geographical distribution of herring spawning in B.C. from 1937-86, based on approximately 20,000 records of spawning made annually for different regions of the coast. Data is given on the annual frequency of spawns in 1-km segments for each of 90 geographical subdivisions; the intensity of spawning in specific areas, a summary of spawn records, including mean spawning dates; and a summary of roe fish activity from 1972-86 for each location. A descriptive summary, including a classification of the ecological importance of herring spawning habitat, is presented for each area.  
• BC CA CF FI SC

**Special education in Manitoba : policy and procedural guidelines for the education of students with special needs in the public school system**

Winnipeg : Manitoba Education and Training, 1989. 19, 20 p. Bilingual (Education de l'enfance...)  
MICROLOG 90-00187 1 fiche

The purpose of this document is to bring together the policies and general guidelines which direct the provision of special education programs and services in Manitoba. It provides guidelines to assist school

divisions/districts in implementing an education programming and placement process; a division/district-wide planning process; increased involvement of parents of students with special needs; and an appeal process for disputes involving students with special needs.  
ED MS PR SA

**Special report : the role of the provincial government in the regulation of the Principal Group of Companies, 1989**

Edmonton : Office of the Ombudsman, 1989. iii, 426 p.  
MICROLOG 90-01155 5 fiche

This document presents reasons for the investigation and the issues investigated, and it describes the method of investigation. It also addresses the regulation of relevant Principal companies, and focuses on the Principal Group Ltd., and the Principal Savings and Trust Company.  
AL JU PA PR

**Special report on the regulation of FIC Ltd. and AIC Ltd. : the principal investigation**

Saskatchewan Superintendent of Insurance. Regina : Saskatchewan Ombudsman, 1990. 89 p. Bibliogr.  
MICROLOG 90-05230 1 fiche

This document is an investigation into the regulation of FIC/AIC to determine if the Superintendent of Insurance and the Government of Saskatchewan fulfilled the obligations imposed on them by the Saskatchewan Investment Contracts Act (ICA). It is claimed that the First Investors Corporation Ltd. (FIC) and Associated Investors of Canada Ltd. (AIC) continued to operate even after their operating licenses were cancelled. This investigation report discusses the primary jurisdiction theory and regulation by government officials. It includes an analysis of government regulation, results of the investigation and recommendations.  
CO MS PR

**Special report to the Legislative Assembly : the Lottery Fund : an audit of the granting process**

Victoria : Auditor General of British Columbia, 1990. 11 p.  
MICROLOG 90-03081 1 fiche

This report explains the purpose and conclusions of the audit. It includes an overview of the lottery grants, a review of lottery grants administered directly by the provincial secretary, and a review of expenditures made by municipal affairs.  
BC CU JU PR

**Special study on adults with an activity limitation**

by A. Charette. Ottawa : Health and Welfare Canada, Health Promotion Directorate, 1988. viii, 48 p. : ill. Bibliogr. (Technical report series) At head of title: Canada's Health Promotion Survey  
MICROLOG 90-05600 1 fiche

This report presents some findings from Canada's Health Promotion Survey, a nationwide telephone survey which was conducted in 1985. The report focuses on adult Canadians (aged 15 years and over) who report a restriction in their activities because of a long term health problem. It contrasts health related behaviours, attitudes, opinions and knowledge of Canadians who are restricted in their activities with the remainder of the adult population.  
CA HE

**Special study on labour force groups**

by P.D. Rosenbaum and J. Bursten. Ottawa : Health and Welfare Canada, Health Promotion Directorate, 1988. vi, 52 p. Bibliogr.

(Technical report series) At head of title: Canada's Health Promotion Survey  
MICROLOG 90-05599 1 fiche

The survey was conducted in 1985 as a major step in the development of a national health promotion policy for Canadians. The survey provides information about the health attitudes, health related behaviours, beliefs and health practices of Canadians. This paper examines some of the survey results for working Canadians. Some implications of these findings for workplace health promotion programs are discussed.  
CA HE

**Special study on the relationship between social networks and health promoting behaviours and attitudes**

by R.M.G. Norman. Ottawa : Health and Welfare Canada, Health Promotion Directorate, 1988. iv, 29 p. Bibliogr. (Technical report series) At head of title: Canada's Health Promotion Survey  
MICROLOG 90-05598 1 fiche

This study assesses behaviours and attitudes toward smoking, alcohol consumption, marijuana use, breast self-examination, blood pressure, and exercise. It also focuses on the participant's intentions to change, and provides direct comparisons of attitude and social network.  
CA HE

**Speciation, availability, and bio-accumulation of mercury in lakes**

by T.A. Jackson. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 2 p. (NHRI contribution ; no. 88020) Prepared for the Society of Environmental Toxicology and Chemistry Annual Meeting. ISSN 0838-1992  
MICROLOG 90-06472 1 fiche

Abstract of a paper on the bio-accumulation of mercury in lakes in northern Manitoba which have been enlarged to form reservoirs. The paper compares the dependence of Hg levels in organisms on an ambient CH<sub>3</sub>Hg<sup>+</sup> level and the extent of flooding, beginning with microorganisms and moving to those fish at the top of the food chain.  
CA EV FI LS MS SC

**Species, provenance, and progeny tests of the genus *Larix* by the Petawawa National Forestry Institute**

by T.J.B. Boyle...et al. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1989. v, 70 p. : ill., maps. Bibliogr. (Information report : PI-X-94) French ed. (Essais d'espèces...) : 90-06799/1. ISSN 0706-1854 ISBN 0-662-17362-7  
MICROLOG 90-01576 1 fiche

Information on all experiments established by the Tree Genetics and Breeding Project of the Institute of the genus *Larix* over the last 65 years. A total of 128 experiments and 906 seedlots are listed. The most valuable and well-designed experiments are discussed in detail and recommendations are presented for the use of native and exotic larch species in eastern Canada.  
• CA FO LS ON SC

**Spectral characteristics of low-angle radar ground clutter**

by H.C. Chan. Ottawa : Defence Research Establishment Ottawa, 1989. x, 46 p. : ill. Bibliogr. (Report ; no. 1020)  
MICROLOG 90-04046 1 fiche

The performance of ground-based radars is affected by the spectral characteristics of ground clutter. Most signal processing algorithms designed to enhance detection performance are Doppler-frequency-sensitive, such as the moving target indicator filter,



Doppler processor and coherent clutter map. This report gives the results of a comprehensive spectral analysis of low-angle ground clutter, using the MIT Lincoln Laboratory Phase I data and the DREO S-band clutter data. The report presents the spectral analysis of ground clutter for different bands of radar frequency; describes the data used in the spectral analysis, including both the conventional Fourier analysis and a super-resolution spectral analysis technique; gives a brief background on the maximum entropy spectral estimate; and describes the particular procedure designed to bring out the spectral characteristics of ground clutter from short time series.  
CA PS SC TE

**Spectrochemical precision studies with the vacuum-cup electrode, part I : calcium, magnesium, phosphorus and potassium**

by J.L. Dalton and A.H. Gillieson. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 13 p. : ill. Bibliogr. (Report ; MS 65-101)  
MICROLOG 90-04638 1 fiche

Comparison of direct-recording spectrometry and photographic recording in solution spark analysis. A graphite, vacuum-cup electrode was used for the initial part of the study. The precision achieved was poor, even though attempts were made to improve the precision with known aids. The substitution of a silver vacuum-cup-electrode system improved the precision markedly. This paper describes the use of both of the systems and the effects achieved.  
● CA CM NR PS SC

**A Spectrophotometric study of hexa-, penta- and tetra-coordinated halogenocopper(II) complexes in acetone-hydrohalic acid mixtures**

by G.H. Faye. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 23 p. : ill. Bibliogr. (Report ; MS 65-117)  
MICROLOG 90-04641 1 fiche

Description of experimental work to elucidate the spectra and structure of the halogenocopper(II) complexes, especially in coordinating solvents such as acetone. The important role of solvent molecules as 'primary' ligands is shown and information on the octahedral monohalogenocopper(II) species was obtained.  
● CA CM NR PS SC

**Speech from the throne by the Honourable Lloyd G. MacPhail, Lieutenant Governor, at the opening of the Second session of the Fifty-Eighth General Assembly of the Province of Prince Edward Island on February 22, 1990**

by L.G. MacPhail. Charlottetown : The Province, 1990. 17 p.  
MICROLOG 90-03858 1 fiche

Contains the text of the speech given by Lloyd G. Macphail.  
AP PA PR

**Speech from the Throne delivered at the opening of the second session of the forty-first General Assembly of the Province of Newfoundland, Thursday, March 8, 1990**

by James A. McGrath, Lieutenant-Governor. St. John's : The Province, 1990. 12 p. *CSI 48106.006*.  
MICROLOG 90-03893 1 fiche

Contains the text of the speech given by the Lieutenant-Governor, James A. McGrath.  
AP PA PR

**Spin gyroscope trawlers : profitability of renewing the consumer fleet with vessels equipped with independent spin gyroscope seine and trawl equipment**

by H.P. Jorgensen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 3 p. (Canadian translation of fisheries and aquatic sciences ; no. 5281) *Originally published in Danish.* ISSN 0704-3716  
MICROLOG 90-02751 1 fiche

Report on the profitability of investing in new construction of a fishing vessel equipped for spin gyroscope seine fishing and trawling. The report calculates receipts and disbursements for the lifetime of the project, and takes into consideration inflation and return on investment for a 40 GRT vessel. Only the summary is reproduced.  
● CA CF FI SC

**The Spittlebugs of Canada, Homoptera : Cercopidae**

by K.G.A. Hamilton. Ottawa : Dept. of Agriculture, Research Branch, 1982. 102 p. : ill., maps. Bibliogr. (The Insects and arachnids of Canada ; pt. 10) ISSN 0706-7313 ISBN 0-660-11246-9  
MICROLOG 90-00010 2 fiche

Description of the spittlebugs of Canada, including life history, parasites, predators, disease, economics, distribution, structure, systematics, and keys to the various genera. A glossary and index are included.  
CA LS SC

**Sport and recreation resource guide, 1990**

Edmonton : Alberta Recreation and Parks, 1990. v, 79 p. : ill. *CSI 34113.006*.  
MICROLOG 90-05864 1 fiche

This guide has been developed in order to improve the communication and coordination among sport and recreation organizations and agencies. It identifies the major organizations that provide programs and services to the sport and recreation community in Alberta.  
AL CU PR

**Sport development strategy into the 1990's : executive summary**

Edmonton : Alberta Recreation and Parks ; Alberta Sport Council, 1990. 22 p. : ill.  
MICROLOG 90-02802 1 fiche

Identifies 9 areas as the focus for Alberta's Sport Development strategy. It establishes priorities for each of these strategic areas, and which are intended to set direction for the advancement of sport into the future. It also specifies a number of potential program areas which could assist in supporting the new strategy.  
AL CU PR

**The Sport fisheries of Mica, Opinicon, Sydenham, and Upper Rideau lakes, 1984**

by A. Mathers and N.G. MacLean. Sharbot Lake, Ont. : Ministry of Natural Resources, Rideau Lakes Fisheries Assessment Unit, 1987. ii, 58 p. : ill., maps. Bibliogr. (Report ; no. 11) ISSN 0828-1564  
ISBN 0-7729-0319-0  
MICROLOG 90-05957 1 fiche

In 1981, the Rideau Lakes Fisheries Assessment Unit initiated a long-term survey program to assess the sport fisheries of Mica, Opinicon, Sydenham, and Upper Rideau lakes during the largemouth and smallmouth bass open seasons. The program is designed to

provide both qualitative and quantitative sport fishery data for trend-through-time analysis. Information to be gathered includes estimates of catch, harvest, effort, and angler success rates; length, weight, and age structures of the harvest; fishing methods; and user-group characteristics. This report summarizes the results of the 1984 summer creel survey and examines trends in light of several indices of overexploitation.  
CU ON PR

**Sport policy recommendations for the Government of Manitoba**

as presented to the Minister Responsible for Sport ; by the Sport Policy Advisory Committee. Winnipeg : The Committee, 1990. 68 p.  
MICROLOG 90-04942 1 fiche

This document describes how the Government can improve the sport environment in Manitoba. It contains provincial government policy statements.  
CU MS PR

**Sport science support program : policy and guidelines, 1990-91**

Ottawa : Fitness and Amateur Sport, 1989. 22, 24 p. *Bilingual (Programme d'appui aux sciences...)*. ISBN 0-662-57016-2  
MICROLOG 90-02892 1 fiche

The Sport Science Support Program encourages the effective collaboration of sport scientists in the Canadian high performance sport system to assess athletes and to assist coaches and athletes with the interpretation of test results and the incorporation of conclusions into the daily training programs of high performance athletes by financial assistance. This document describes the program, the application and review procedures, and guidelines for contributions.  
● CA CU PA

**The Spring DECUS Meeting held at Harvard University and a visit to Digital Equipment Corporation at Maynard, Mass.**

by R.H. Goodman. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 9 p. (Report ; MS 65-79)  
MICROLOG 90-04636 1 fiche

Description of the highlights of the DECUS meeting and a visit to the manufacturers of the on-line computer in use in the Digital Equipment Corp. laboratory.  
● CA CM PS SC

**Spruce budmoth can be controlled with aerial applications of fenitrothion insecticide to adults**

S.I. : Canadian Forestry Service - Maritimes, 1990. 7 p. Bibliogr. (Technical note ; no. 225) ISSN 0820-8107  
MICROLOG 90-04584 1 fiche

The spruce budmoth is a serious pest of white spruce plantations in New Brunswick. Development of an effective, affordable control option for this pest is a priority, but control attempts against larvae to save foliage in the current year have had only limited success. This note describes aerial surveys using fenitrothion and aminocarb insecticides in 1986.  
● AP CA FO SC

**Spruce budworm research in Forestry Canada : current status and proposed future directions**

by D.A. MacLean...et al. Ottawa : Forestry Canada, 1987. 52, vi, 53 p. *French ed. (Etat actuel et orientations...)* on the same fiche  
MICROLOG 90-00963 2 fiche



Report describing 2 previous attempts to organize and coordinate research on spruce budworm in the last 10 years; findings regarding budworm research at Forestry Canada in population biology (including monitoring), impact on the forest, and budworm control; proposal for an integrated approach to pest management in budworm-prone forests, and the role of Forestry Canada in developing such an approach; and general issues and concerns and a summary of budworm research in Forestry Canada.  
CA FO LS SC

**Spruce height and volume growth response to an aerial release treatment using 2,4-D on three plantations near Manitouwadge, Ont.**

by C.S. Krishna and W.D. Towill. Thunder Bay, Ont. : Ministry of Natural Resources, Northwestern Ontario Forest Technology Development Unit, 1989. v, 22 p. : ill. Bibliogr. (Technical report ; no. 08)  
MICROLOG 90-02969 1 fiche

Three spruce plantations in the Manitouwadge area of north central Ontario were released from hardwood competition in 1983 with 2,4-D. Three years after release, planted spruce were sampled in treated and untreated areas within each plantation to determine the extent of conifer benefit from the 2,4-D treatment. The relative dominance of the crop trees was determined for each site and stem analysis was used to measure volume increment and total volumes of selected individual spruce trees.

FO ON PR SC

**St. Clair Parkway Commission (Ont.) : Annual report 1989**

Toronto : The Commission, 1990. 8 p. : ill. CSI 56188.001.  
MICROLOG 90-06910 1 fiche

The primary goal of the commission is to ensure an interconnecting system of parks using all the environmental characteristics of the region. This report provides information on people and places on the parkway, capital projects, highlights of the year, financial statements, a balance sheet, a statement of operations, together with notes to the financial statements. Financial details are also broken down by operation to cover facilities such as golf course operations, Sarnia Bay Marina and Marine Park operations.  
CU ON PR

**St. Croix River integrated data interpretation : technical report, 1987**

Dartmouth, N.S. : Environment Canada, Atlantic Region, Conservation and Protection, Inland Waters Directorate, 1987. ix, 180 p. : ill., fold. maps. Bibliogr.  
MICROLOG 90-02434 3 fiche

The St. Croix River Basin is situated along the Maine-New Brunswick border and is used for hydroelectric power production, forest products processing, pollution abatement and fisheries and recreational uses. This overview technical report gives a summary of water management issues, along with technical information on the study area, a socio-economic profile, surface water hydrology, surface water quality, and groundwater hydrology.  
AP CA EV SC

**St. Croix River water quality report, 1987-88**

by H.S. Bailey. Moncton, N.B. : Environment Canada, Conservation and Protection, Inland Waters Directorate, Atlantic Region, Water Quality Branch, 1989. iv, 56 p. : ill. Bibliogr. CSI 22147.005  
MICROLOG 90-03174 1 fiche

Results of the 1987/88 St. Croix River water quality monitoring program. Physical parameter

values, as well as major ion, nutrient and heavy metal concentrations are given for 3 sampling stations from November 1987 to November 1988. Provisional data from the Milltown automatic water quality monitor are presented from January to December 1988.  
AP CA EV SC

**St. Lawrence Action Plan : Annual report 1988-89**

Ottawa : Environment Canada, 1989. 40, 40 p. : ill. Bilingual. (Plan d'action Saint-Laurent...). CSI 22384.001. ISBN 0-662-56743-9  
MICROLOG 90-03166 1 fiche

First annual report of the Plan, established for a 5-year period by the federal government to protect, conserve and restore the quality of the St. Lawrence's waters. The report describes the Plan, its mandate and objectives; gives a background to its introduction; and describes the actions to be taken under the action areas of environmental technologies, restoration, and conservation. Federal government departments involved are listed and their place in the Plan is discussed, along with the partnership with the Quebec government. An activity report for the first year is given, as well as the agenda for the 2nd year for each of the 4 action areas. The mandate and activities of the St. Lawrence Centre, the research and administrative centre for the Plan, is also described. A financial statement is included.  
● CA EV NR QU SC

**St. Lawrence Parks Commission (Ont.) : Annual report 1988-89**

Morrisburg, Ont. : The Commission, 1989. 14, 14 p. : ill. Bilingual. CSI 56202.001. ISSN 0835-7781  
MICROLOG 90-05725 1 fiche

The Commission, incorporated in 1955, has a mandate to preserve Eastern Ontario historic past and prime recreational lands. This includes management of the historical sites, Upper Canada Village, and Old Fort Henry, as well as numerous other facilities that include golf courses, wildlife sanctuaries, and tourist attractions. The annual report reviews administrative activities as well as selected sites.  
CU ON PR

**St. Lawrence Seaway Authority (Canada) : Annual report 1989-90**

Ottawa : The Authority, 1989. 14, 14 p. : ill. Bilingual. CSI 22285.001. ISSN 0581-3298  
MICROLOG 90-06334 1 fiche

This annual report provides a review of the year's activities with emphasis on traffic, finances, operations, the Welland Canal Rehabilitation program, and cargo movements. The document also contains financial statements.  
CA SC TR

**The St. Lawrence Seaway traffic report : 1989 navigation season**

St. Lawrence Seaway Authority (Canada). Ottawa : The Authority ; Washington, D.C. : St. Lawrence Seaway Development Corporation, 1990. iii, 87 p. CSI 22285.002.  
MICROLOG 90-05495 1 fiche

Annual report presenting summaries of the 1989 St. Lawrence Seaway traffic activities by traffic sectors (Montreal-Lake Ontario section and the Welland Canal section); summaries of cargo and vessel movements through the St. Lawrence Seaway representing total Seaway traffic and eliminating duplication of vessel transits and cargo quantities moved through more than one traffic sector; summaries of cargo and vessel movements through the Montreal-Lake Ontario section of the Seaway; and summaries of cargo and vessel movements through the Welland Canal section of the Seaway. Transits and gross registered

tonnages for non-toll traffic are not included.  
CA EX SC ST TR

**St. Louis Alcoholism Rehabilitation Centre (Sask.) : Annual report 1988-89**

St. Louis, Sask. : The Centre, 1989. 15 p. CSI 72181.001.  
MICROLOG 90-03454 1 fiche

Provides information on the history and background of the Centre, and lists program objectives. It reviews the Centre's activities and provides statistics showing the total number of clients admitted to the Centre by year, alcohol and drug use and effects among clients, clients reporting charges for offences other than impaired driving in past six months, and a client profile. It also includes financial statements.  
BS HE MS PR SA

**Stability and control testing of two Ministry of Health ambulances**

by W. Mercer. Toronto : Ministry of Transportation, Transportation Technology and Energy Branch, 1989. vii, 77 p. : ill. MICROLOG 90-03946 1 fiche

The ambulance fleet in Ontario is made up of standard 8900 GVW Dodge van chassis modified to specific standards after purchase. The test program identified the stability and control characteristics of the ambulances by subjecting them to standard automotive tests and test track manoeuvres while instrumented with transducers for recording vehicle response data. The test consisted of driving the vehicle onto a prescribed course and conducting a single manoeuvre at progressive speeds or degrees of aggression until response trends showed characteristic behaviour patterns. The tests were conducted to a point as close to the limits of vehicle stability as was deemed safe by the test staff. Each vehicle was tested with 4 load conditions and 2 states of tire wear were examined. The data were analyzed and reduced to show trends in vehicle behaviour for both left and right manoeuvres at various speeds and used as a subjective guide to predict stability thresholds.  
ON PR PS SC TR

**Stability and support in deep mines : final report**

Falconbridge Limited. S.I. : Falconbridge Ltd., 1985. 33 p. : ill. CANMET contract: OSQ-81-00037.  
MICROLOG 90-02562 1 fiche

In 1979 Falconbridge undertook the design of an underground bulk mining trial. A section of the Onaping #3 orebody was chosen to be mined by longitudinal blasthole stoping and had progressed to the stage of the first panel slot blast when Onaping Mine was closed. The mine reopened in 1984. This report fulfills the amended contract by presenting the data and the subsequent interpretation, acquired through the mining of the first lift of the trial blasthole stopes.  
● CA CM NR PS SC

**Stability of the long-term fly ash mound at the Nanticoke TGS lagoon**

by K.C. Lau and H.T. Chan. Toronto : Ontario Hydro, Research Division, 1989. i, 45 p. : ill. Bibliogr. (Report ; no. 89-95-K)  
MICROLOG 90-00405 1 fiche

Analysis of the stability of 4 slope sections of the proposed long-term fly ash disposal mound at the Nanticoke Thermal Generating Station site. The phreatic surface location used in the study was calculated by the analytical model developed in a previous study. A parametric study on the effect of the phreatic surface location within the ash mound and of the shear strength of the ash on the stability of the slopes was also carried out. The results of



both these studies are reported here.  
EN EV ON PR SC

### Stability of unbound open-graded aggregate layers

by R.J. Bathurst and G.P. Raymond. Toronto : Ministry of Transportation, Research and Development Branch, 1990. vi, 39 p. : ill. Bibliogr.  
MICROLOG 90-05888 1 fiche

The report presents the results of a laboratory study carried out to investigate the stability of thin layers of coarse single-sized (open-graded) pavement aggregates under dynamic plate loading. The investigation considered a range of aggregates having variable quality as defined by the Aggregate Index Number, a quantitative measure of the combined durability of an aggregate based on its resistance to fracture and abrasion as measured in the Los Angeles abrasion and mill abrasion tests. Other variables between tests were gradation size and support compressibility. The results of a test carried out with a 1.5% asphalt cement binder and a test with an unbound aggregate sample that was partially flooded are also presented. Implications to selection criteria for aggregate used in unbound open-graded drainage layers below highway pavements are identified.

ON PR PS SC TR

### Staff report on the CASB's special investigation into air traffic control services in Canada

Ottawa : Canadian Aviation Safety Board, 1989. 289 p. : ill. Bibliogr. French ed. (*Enquête spéciale du BCSCA...*) : 90-04004/4. ISBN 0-662-17694-4  
MICROLOG 90-04003 4 fiche

Report on the Special Investigation to identify safety deficiencies in the air traffic services (ATS) system contributing to occurrences involving loss of safe separation between aircraft in flight under the control of a Canadian ATC unit. The scope of the investigation was confined to an examination of factors deriving from the ATS system itself only, with the investigation and analysis focused primarily on those aviation occurrences that involved at least one IFR aircraft weighing more than 5,700 kg, occurring in the Toronto or Vancouver Terminal Control areas, or en route in high-level airspace under Canadian control. This staff report describes the ATS system and related equipment; analyses Canadian incidents; and describes staffing and workload, training, supervision, human performance factors, information transfer, management, and operating procedures.

CA CI SC TR

### Stage de formation en gestion toponymique : actes du stage

Stage de formation en gestion toponymique (1988 : Québec, Québec). Québec : Gouvernement du Québec, Commission de toponymie, 1989. 493 p. : ill., cartes géogr. Bibliogr. (Etudes et recherches toponymiques ; 13). *Stage réalisé sous les auspices des Nations Unies et sous le haut patronage du Canada, avec la participation du Comité permanent canadien des noms géographiques (CPCNG)*. ISBN 2-550-19395-4  
MICROLOG 90-01238 6 fiche

Ce document rend compte du stage de formation organisé par la Commission de toponymie du Québec à l'intention de représentants de pays dont la langue de l'administration est le français, pour la plupart. On y trouve d'abord un texte de présentation du stage traitant de l'histoire et du contexte du stage, de son organisation matérielle, de la matière du stage, des activités culturelles qui s'y sont déroulées, de l'évaluation qui en a été faite ainsi que des recommandations à l'intention des stages futurs. Six annexes suivent, soit : le

programme, les listes des participants et des conférenciers, la liste des principaux documents distribués, le questionnaire d'évaluation du stage et enfin les textes des allocutions et des conférences.  
PR PS QU SC

### Stages in the embryonic development of the Atlantic salmon, 1 : criteria for distinguishing the stages of development

by Y.N. Gorodilov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 11 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5335). *Originally published in Russian, by Gosmorkh, at Leningrad, U.S.S.R.* ISSN 0704-3716  
MICROLOG 90-01470 1 fiche

Description of the embryonic development in the Atlantic salmon, including the concept of embryonic stages, the determination of such stages during cleavage, blastulation and gastrulation, determination during organogenesis, and determination during the postsomitogenesis period by body length.

• CA CF FI LS SC

### Standard methods of sampling, testing and analysis of metal-bearing ores and related materials : highlights of the work of A.S.T.M. Committee E-16

by R.C. McAdam. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 30 p. (Report ; MS 65-70) *Prepared for the C.I.M.M. Conference*.  
MICROLOG 90-04633 1 fiche

A.S.T.M. Committee E-16 was formed to promote knowledge of, and to formulate methods for, the sampling, analysis and testing of natural and processed metal-bearing ores and related raw materials such as fluxes. This paper describes analytical methods under consideration as tentative standards for the determination of iron and silica in manganese ores; chrome, iron and silica in chrome ores; silica in fluorspar; phosphorus and an alternate iron method in iron ores. Physical testing methods for the screen analysis of metal-bearing ores and related materials and tumbler testing of iron-ore agglomerates were also prepared. The paper also includes descriptions of the activities of the various subcommittees on editorial and definitions, sampling, analysis, and testing (physical).

• CA CM NR PS SC

### Standard procedures for conducting licensed casino events in British Columbia

Victoria : Ministry of Solicitor General, Public Gaming Branch, 1989. v, 64 p.  
MICROLOG 90-03840 1 fiche

This publication establishes standards for the conduct and management of casino events. It covers administrative requirements, casino staff, financial controls, equipment, facility, and conduct of games.

BC CU JU PR

### Statement by Mr. Gerard D. Levesque, Minister of Finance, concerning the administration of the GST and the reform of consumption taxes in Quebec

Québec (Province). Ministère des finances. Québec : le Ministère, 1990. 39 p. : ill. Appendix (83 p.) *laid in. French ed. (Déclaration ministérielle...)* : 90-07286/2. CSI 66120.201E.  
MICROLOG 90-07285 2 fiche

This Minister's statement discusses lower tax burden, harmonization of consumption taxes, compensatory measures for low-income

taxpayers, simplification of the tax system, and unified administration of consumption taxes.  
CO PR QU ST

### A Statement of Government Policy on the Status of Women in Manitoba

Manitoba. Winnipeg : The Province, 1990. 5 p. MICROLOG 90-05018 1 fiche

This Statement articulates eight fundamental principles that will form the basis of government actions and programs affecting the status of women in the province.  
MS PR SA

### Station profiles

Winnipeg : Environment Canada, Inland Waters Directorate, Water Resources Branch, Western and Northern Region, 1989. 146 p. : maps.  
MICROLOG 90-06749 2 fiche

Station profiles of Alberta, Saskatchewan and Manitoba water quality monitoring sites, as well as discontinued sites in the area. Information is given on station name and location, description of sampling locations, date of establishment and length of operation, type, expected field observations, what it is monitoring for, and any reports available from the site. Maps indicating the location of each site are included.  
CA EV SC

### La Station spatiale : la contribution du Canada -- Rev.

par L.C. Myers. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 13 p. Bibliogr. (Bulletin d'actualité ; 87-5F) *L'éd. anglaise (The Space station...) sur la même fiche*. ISBN 0-660-92788-8  
MICROLOG 90-03031 1 fiche

Ce bulletin examine le projet de configuration de la station spatiale, le rôle du Canada dans la mise au point du Centre d'entretien et de réparation mobile et les avantages qu'il compte tirer de sa contribution.  
CA PS SC TE

### Statistical Applications in the Earth Sciences : proceedings of a colloquium

edited by F.P. Agterberg and G.F. Bonham-Carter. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1990. v, 588 p. : ill., maps. Bibliogr. (Paper ; 89-9) ISSN 0068-7650 ISBN 0-660-13592-2  
MICROLOG 90-06842 7 fiche

Collection of papers presented at the Colloquium, covering the broad subject areas of spatial data integration, statistical analysis of geoscience data, and quantitative stratigraphy. Working Group reports are included as well.  
• CA NR PS SC

### A Statistical comparison of uplift design methods for augered footings in sand

by C.B.H. Cragg and R.H.K. Tsang. Toronto : Ontario Hydro, Research Division, 1989. 41 p. : ill. Bibliogr. (Report ; no. 89-261-K) MICROLOG 90-03525 1 fiche

Predicting the uplift capacity of augered footings in sand is complex because the failure surface changes shape with foundation geometry, soil shear strength and construction practice. A data base of 217 load tests in sand were assembled where the soil properties are measured by conventional testing. The relative accuracy and consistency of 8 design methods were assessed, based on their ability to accurately predict the data base results. This report provides a description of the statistical analysis procedure used to rank the design methods and identifies the most accurate methods. In addition, the merits of using a single predictive method for design work versus



using a combination of methods is discussed.  
EN ON PR PS SC

# **Statistical information : New Brunswick anglophone school districts**

New Brunswick. Dept. of Education, Planning and Communications Branch. Fredericton : The Branch, 1990. 51 p. : ill. *CSI 45104.007*. MICROLOG 90-04153 1 fiche

Contains information on enrolment, full-time equivalent teachers and professional staff, number of classes and high school course enrolments. It also lists schools in the anglophone school districts.  
AP ED PR ST

# **Statistical information, 1988 : municipalities of the Province of Manitoba**

Winnipeg : Manitoba Rural Development, 1989. 58 p. : ill. *CSI 41118.005*. MICROLOG 90-06231 2 fiche

The data in this publication has been compiled from the audited financial statements of the municipal corporations in the Province. The first section of the document deals with financial statistics: population, area, and assessments; tax assets and tax collections; general fund revenue balance sheet; general capital and loan fund balance sheet; trust fund balance sheet; general revenue fund and expenditure; water and sewer utility fund balance sheet and the fund revenues and expenditures; general fund and utility fund sources and applications of capital funds; analysis of capital debt; analysis of investments and funds reserves; and other utility and enterprise funds balance sheet and revenues and expenditures. The second section covers selected comparisons of financial data between types of municipalities: rural, villages, towns, cities and local government districts.  
MS MU PA PR ST

# **Statistical profile of disabled persons in Ontario, vol. II**

Toronto : Office for Disabled Persons, 1990. 25, 25 p. : ill. *Bilingual (Profil statistique des personnes...)*. *CSI 55140.200*. ISBN 0-7729-6557-9  
MICROLOG 90-07074 1 fiche

Presents characteristics of the disabled, and identifies factors affecting independent living. It also discusses education, employment, expenditures, transportation, and leisure activities, as they relate to the disabled.  
ON PR SA ST

# **Statistical review : office space development in the City of Toronto, 1976-85**

Toronto (Ont.). Planning and Development Dept. Toronto : The Dept., 1986. 52 p. : ill. (1986 Quinquennial Review : background papers ; no. 4A) *CSI 89181.214*. MICROLOG 90-01061 1 fiche

Contains summary tables and graphs which provide a quick overview of trends in office development in relation to Central Area Plan objectives. It also provides detailed listings of each office project completed on an annual basis, and reports on the status of all projects currently under development as of January 1, 1986. Each table is sorted in alphabetical order by address and indicates the policy area in which the project is located as well as the gross floor area for each project.  
MU ON PL ST

# **Statistical review of coal in Canada, 1989**

Ottawa : Energy, Mines and Resources Canada, 1990. v. 16, v. 16 p. *Bilingual (La Statistique du charbon...)*. *CSI 22155.003*. MICROLOG 90-05410 1 fiche

Annual review of the coal industry, including production, exports and imports, and consumption. An overview is given, followed by more detailed data for the current and preceding 10 years.  
CA CO NR SC ST

# **Statistical summary of marine accidents, 1988-89**

Ottawa : Marine Casualty Investigations, 1990. v. 27, v. 27 p. : ill. *Bilingual*. *CSI 21123.011*. MICROLOG 90-06349 1 fiche

Data on reported casualties, accidents aboard ships, dangerous occurrences and some foreign casualties of interest to Canadian authorities. The report covers specific data for 1988-89 and a general overview for 1985-89. Vessels covered include: all commercial vessels of Canadian flag; all foreign vessels that reported casualties, accidents aboard ship or dangerous occurrences while in Canadian waters; and foreign vessels involved in the more important casualties or accidents aboard ship outside Canadian waters, but reported through Canadian authorities. Pleasure craft accidents are not normally included unless they were involved in an accident with a commercial vehicle.  
CA SC ST TR

# **Statistical summary, 1986-87**

Toronto : Ministry of Colleges and Universities, 1987. 43, 43 p. *Bilingual (Résumé récapitulatif...)*. *CSI 55103.002*. ISSN 0380-4399  
MICROLOG 90-00891 1 fiche

This document provides statistical information on the educational background of students, enrolment and degree information on universities and colleges of applied arts and technology, and information on staff. It also includes financial data.  
ED ON PR ST

# **Statistical supplement to the annual report, 1988-89**

British Columbia. Ministry of Education. Victoria : The Ministry, 1989. 90 p. Bibliogr. *CSI 37103.007*. ISSN 0840-9498  
MICROLOG 90-04913 1 fiche

The data in this supplement apply to public schools in the province for the 1988/89 school year and represent the data used to create graphs in the Ministry of Education annual report from July 1, 1988 to June 30, 1989. Additional tables reporting provincial and school district information are included. The supplement is organized by goals (intellectual development, career development, human and social development); attributes of the school system (accessibility, relevance, quality, equity, accountability), and supplementary topics (financing of education, educator supply and demand). Data covers up to 10 years.  
BC ED PR ST

Saskatchewan. Saskatchewan Health. Continuing Care Branch. Regina : The Branch, 1989. 22 p. : ill. *CSI 72152.002*. MICROLOG 90-03491 1 fiche

Contains a description of the Branch and programs, an overview of continuing care statistics, home care program statistics, and special care homes program statistics.  
HE MS PR ST

Saskatchewan. Medical Care Insurance Branch. Regina : The Branch, 1989. 56 p. : ill. *CSI 72131.002*. MICROLOG 90-03492 1 fiche

This document contains statistical data concerning the programs administered by the Medical Care Insurance Branch, including the Medical Care Insurance Plan, Supplementary Health Program, and Children's Dental Program.  
HE MS PR ST

Community Health Services Branch, Mental Health Services Branch, Laboratory and Disease Control Services Branch. Regina : Saskatchewan Health, 1989. 29 p. : ill. *CSI 71120.004*. MICROLOG 90-03493 1 fiche

Provides statistical supplements for the Community Health Services Branch, the Mental Health Services Branch, and the Laboratory and Disease Control Services Branch.  
HE MS PR ST

Saskatchewan. Hospital Services Branch. Regina : The Branch, 1989. 49 p. : ill. *CSI 72212.002*. MICROLOG 90-03494 1 fiche

This Statistical supplement provides a numerical description of the utilization of hospital services by Saskatchewan residents during the fiscal year April 1, 1988 to March 31, 1989.  
HE MS PR ST

Saskatchewan. Prescription Drug Services. Regina : The Services, 1989. 24 p. *CSI 72137.002*. MICROLOG 90-03499 1 fiche

This statistical supplement describes the objectives and history of the Plan, and presents highlights for 1988-89. It includes financial statements.  
HE MS PR ST

# **Statistical supplement, 1987**

Saskatchewan. Vital Statistics. Regina : The Branch, 1988. 63 p. *CSI 72185.003*. ISSN 0710-670X  
MICROLOG 90-03490 1 fiche

This statistical supplement contains information on births, mortality, infant mortality, marriages and divorces, and life expectancy.  
HE MS PR ST

# **Statistical tables supplementing the annual report, 1986-87**

Saskatchewan Hospital Services Plan. Regina : The Plan, 1987. 34 p. : ill. *CSI 72125.002*. ISSN 0382-3725  
MICROLOG 90-00466 1 fiche

This statistical supplement provides material descriptive of the population of Saskatchewan and the utilization of hospital services by residents of the province during the fiscal year April 1, 1986 - March 31, 1987. Some material on services pertaining to 1985-86 and earlier years is included to permit comparison of one year to another.  
HE MS PR ST

# **Statistical tables supplementing the annual report, 1987-88**

Saskatchewan Hospital Services Plan. Regina : The Plan, 1988. 34 p. : ill. *CSI 72125.002*. ISSN 0382-3725  
MICROLOG 90-04914 1 fiche

This statistical supplement to the annual report provides a description of the population of Saskatchewan and their utilization of hospital services during the 1987/88 fiscal year. Data is also given for the previous and earlier years. Data covers the population served, hospital utilization, and interprovincial comparisons, including employees.  
HE MS PR ST

# **Statistics '89**

Victoria : Workers' Compensation Board of British Columbia, 1990. 45 p. : ill. *CSI 38161.002*. MICROLOG 90-04440 1 fiche

This document contains summary data on claims processed for the year with detailed data on types of claims, work injuries reported, deaths occurring, assessable payrolls, occupational and safety inspections, education and training, hearing conservation activities,



industrial and survival first aid, days lost from work, regional distribution of claims with analysis by subclass and type of claim, and claims costs.  
BC LA PR ST

# **Statistics for pilot whale killing in the Faroe Islands, 1584-1640 and 1709-1978**

by J.S. Joensen and P. Zachariassen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 22 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5233) Originally published in Faroese, at Torshavn. ISSN 0704-3716  
MICROLOG 90-02676 1 fiche

Historical data on whale hunting in the Faroe Islands, citing sources and discussing their accuracy. The discussion includes killing by month, the distribution of schools and whales according to bay, the sizes of the schools, factors which affect the whale-hunt, and the effect of human activity. Figures and tables cited are not included with the document.  
• CA CF FI SC

# **Statistics relating to regional and municipal governments in British Columbia, 1989**

Victoria : Ministry of Municipal Affairs, Recreation and Culture, 1989. v, 90 p. : maps. CSI 37115.003. ISSN 0702-0988  
MICROLOG 90-05504 2 fiche

This report presents profiles of regional districts in the province including data on population, assessment, analysis of debenture debt and related financial statistics, and functions and services provided by each district.  
BC CO MU PR ST

# **Statistics report, 1988-89**

Edmonton : Employment Pensions Branch, 1989. 47 p. : ill. CSI 34110.005.  
MICROLOG 90-04160 1 fiche

This report provides a brief description of the programs of the Employment Pensions Branch and an overview of branch activity historically and over the past year specifically. It also examines the plans registered with the Branch and covers such areas as plan membership and types of plans. It also covers features such as vesting, funding and solvency, and actuarial assumptions being used in defined benefit plans. The information presented is based on the data received from plan sponsors and tabulated by the Branch. The data used is as of March 31, 1989.  
AL CO LA PR ST

# **Statistics, 1988-89 : a statistical supplement to the annual report of the Minister of Natural Resources for the year ending March 31, 1989**

Toronto : Ministry of Natural Resources, 1990. 117 p. Bilingual (Statistics, 1988-89 : supplément...). CSI 55116.002. ISSN 0383-5898  
MICROLOG 90-05721 2 fiche

Annual compilation of data, prepared by branches or sections of the Ministry, and including forest resources, forest management, forest products and marketing, outdoor recreation, wildlife, fisheries, enforcement, parks and recreational areas, lands and waters, surveys, mapping and remote sensing, aviation and fire management, and administration of the Ministry. In addition, names, locations and phone numbers are given for the chief administrators in each branch.  
NR ON PR SC ST

# **La Statistique du charbon au Canada, 1989**

Ottawa : Énergie, mines et ressources Canada,

1990. v, 16, v, 16 p. Bilingue (Statistical review of coal...). CSI 22155.003.  
MICROLOG 90-05410 1 fiche

Ce document contient les données statistiques pour l'année 1989 sur l'offre et la demande, l'approvisionnement, la production, les exportations et la consommation.  
CA CO NR SC ST

# **Statistique du logement au Canada, 1988**

Ottawa : Société canadienne d'hypothèques et de logement, 1989. 97 p. : ill. Bilingue (Canadian housing statistics...). CSI 22118.002. ISBN 0-660-54795-3  
MICROLOG 90-03890 2 fiche

Ce rapport a pour objet de réunir des données concernant la construction d'habitations et les prêts hypothécaires au Canada. Les données sont pour la plupart tirées des opérations de la Société canadienne d'hypothèques et de logement et des publications de Statistiques Canada. Le rapport se penche particulièrement sur les points suivants: la construction d'habitations; les prêts hypothécaires; les frais d'habitation, coûts de construction et prix des terrains; la demande de logements; et les facteurs démographiques. Les sources des données ainsi que certaines notes explicatives sont fournies à la fin du rapport.  
CA CO SA ST

# **Statistiques 1988 : criminalité et application des règlements de la circulation au Québec**

Sainte-Foy, Québec : Gouvernement du Québec Ministère de la sécurité publique, Direction générale de la sécurité et de la prévention, 1989. 161 p. : ill. CSI 67303.003. ISSN 0825-8716 ISBN 2-550-20177-9  
MICROLOG 90-01377 2 fiche

Rapport visant à fournir à la population et aux intervenants en matière de criminalité des renseignements statistiques sur la criminalité au Québec, sur les contrevenants jeunes et adultes et sur les accidents et infractions à la circulation. Il fait état des faits saillants en 1988; rassemble les figures statistiques ainsi que les tableaux statistiques sur la criminalité et les contrevenants; puis donne une analyse comparative de la criminalité au Québec pour les années 1987 et 1988. Finalement, il donne des statistiques sur les infractions relatives à la circulation et les accidents en 1988 et compare la criminalité au Québec par rapport aux autres provinces canadiennes.  
JU PR QU ST

# **Statistiques 1988 : violence conjugale**

Québec : Gouvernement du Québec, Ministère de la sécurité publique, Direction générale de la sécurité et de la prévention, 1989. 20 p. CSI 66132.002. ISBN 2-550-18845-4  
MICROLOG 90-00656 1 fiche

Ce bulletin fait état des crimes de violence conjugale rapportés en 1988 par les Services de police municipaux, la Sûreté du Québec et la Police Amérindienne à la Direction générale de la sécurité et de la prévention. Les données figurant dans ce rapport sont fondées sur les incidents qui sont connus de la police et qu'elle a rapportés à la Direction générale de la sécurité et de la prévention. Les services de police des municipalités ont accru leur participation à ce programme le nombre de répondants passant de 87 en 1987 à 112 en 1988 soit une augmentation de 28,74%. C'est ainsi que la population desservie de 5 794 720 habitants qu'elle était en 1987 est passée à 6 174 359 habitants en 1988 soit une augmentation de 6,55%. La population officielle du Québec en 1988 était de 6 540 406 habitants. Finalement le document porte sur les infractions relatives à la violence conjugale; les infractions solutionnées; et la criminalité par région administrative.  
BS PR QU SA ST

# **Statistiques 1989 : criminalité et application des règlements de la circulation au Québec : rapport préliminaire**

Québec : Gouvernement du Québec, Ministère de la sécurité publique, Direction générale de la sécurité et de la prévention, 1990. 19 p. : ill. CSI 66112.002. ISBN 2-550-20805-6  
MICROLOG 90-06912 1 fiche

Ce bulletin présente un sommaire de la criminalité au Québec pour l'année 1989 comparativement à celle rapportée en 1988. Il inclut également le nombre de contrevenants par type d'infractions et un portrait de la criminalité selon les régions administratives. De plus, il fait état des infractions à la circulation selon le Code criminel et le Code de la sécurité routière. Les données proviennent des services de police municipaux, de la Sûreté du Québec, de la Gendarmerie royale du Canada, des services du Canadien National, du Canadien Pacifique, et des Ports nationaux de Québec et de Montréal.  
JU PR QU SC ST TR

# **Statistiques 1989 : violence conjugale**

Québec : Gouvernement du Québec, Ministère de la sécurité publique, Direction générale de la sécurité et de la prévention, 1990. 20 p. CSI 66132.002. ISBN 2-550-21076-X  
MICROLOG 90-07061 1 fiche

Ce bulletin fait état des crimes de violence conjugale rapportés en 1989 par les Services de police municipaux, la Sûreté du Québec et la Police amérindienne à la Direction générale de la sécurité publique.  
JU PR QU SA ST

# **Statistiques agricoles, 1989**

préparé et publié conjointement par le Bureau des Maritimes de Statistiques Canada et la Direction de la planification et de l'aménagement, Ministère de l'agriculture du Nouveau-Brunswick. Truro, N.S. : le Bureau ; Fredericton : la Direction, 1989. 40 p. : ill. Bilingue (Agricultural statistics, 1989). CSI 45101.002.  
MICROLOG 90-03599 1 fiche

Cet ouvrage de référence porte sur les statistiques agricoles pour la province du Nouveau-Brunswick et a été préparé à des fins d'usage pratique. Les renseignements que renferme l'ouvrage ont été compilés à partir des sources de Statistique Canada. Il donne des statistiques sur les prix et les revenus agricoles; les statistiques sur le bétail, le lait, les volailles, les grandes cultures, les fruits et légumes; et, des statistiques générales.  
AG AP CA PR SC ST

# **Statistiques annuelles, 1987**

Québec : Régie de l'assurance-maladie du Québec, 1988. 272 p. CSI 67172.002. ISSN 0226-5346 ISBN 2-550-18991-4  
MICROLOG 90-00729 3 fiche

Publication contenant des données, des explications détaillées sur ses fonctions, sa structure et ses mécanismes administratifs, ainsi que sur le financement du régime. Toutes les sections du document ont la structure suivante: une description des programmes, des notes explicatives, un texte analytique, des tableaux généraux couvrant la période 1983 à 1987 et finalement des tableaux détaillés de l'année 1987. Ces derniers sont présentés en fonction des bénéficiaires (participation au régime, consommation) et des dispensateurs de services (effectifs, services rendus, sommes versées).  
HE PR QU ST

# **Statistiques concernant les stupéfiants, les drogues contrôlées et les drogues d'usage restreint, 1988**

Ottawa : Santé et bien-être social Canada,



Direction générale de la protection de la santé, Direction des médicaments, Bureau des drogues dangereuses, 1989. 206 p. : ill. *Bilingue (Narcotic, controlled and restricted...)* CSI 21112.007. MICROLOG 90-01394 3 fiche

Ce rapport présente les données statistiques pour l'année civile 1988 compilées par le Bureau des drogues dangereuses (BDD) concernant les infractions criminelles liées aux drogues, les détournements de drogues licites à partir de sources médicales, les traitements à la méthadone et les analyses des saisies de drogues illicites. Il contient des tableaux des statistiques judiciaires sur le règlement des accusations et les sentences consécutives; des données sur l'usage de la méthadone dans le traitement de la dépendance à l'égard des opioïdes au Canada, des données sur les stupéfiants et les drogues contrôlées licites détournées du système de soins à des fins non médicales; et, des données sur le nombre de drogues analysées à la demande des services de police en prévision de poursuites en justice. BS CA SA ST

### Statistiques de 1987 sur les bibliothèques publiques de l'Ontario

Toronto : Ministère de la culture et des communications, Direction des bibliothèques et de l'information communautaire, 1989. 421 p. *Bilingue (Ontario public library...)* CSI 55107.003. ISSN 0827-9861 MICROLOG 90-02956 5 fiche

Cette publication fournit toute une gamme de renseignements utiles sur le développement des ressources et des services bibliothécaires dans l'ensemble de la province. On y donne le nombre d'habitants servis par différents secteurs de l'Ontario, le nombre d'habitants relevant des bureaux principaux du Services des bibliothèques de l'Ontario, et le nombre total d'habitants qui bénéficient des services de bibliothèques de l'Ontario. CU ON PR ST

### Statistiques de l'industrie canadienne du minerai de fer, 1988

par B.W. Boyd et G. Rheault. Ottawa : Énergie, mines et ressources Canada, 1989. v. 11 p. (Secteur de la politique minière rapport interne : MRI 89/2) L'éd. anglaise (Canadian iron ore...) sur la même fiche CSI 21110.011. MICROLOG 90-00306 1 fiche

Ce rapport fait suite à la série de statistiques de l'industrie canadienne du minerai de fer qui avait été publiée pour le Bulletin d'information sur les minéraux de 1955 à 1970. Avec le chapitre du minerai de fer de l'annuaire des minéraux du Canada, les présentes données statistiques passent en revue les aspects de l'industrie canadienne du minerai de fer pour 1988. CA NR PS SC ST

### Statistiques de la citoyenneté canadienne, 1988

Ottawa : Secrétariat d'État du Canada, 1990. 26 p. *Bilingue (Canadian citizenship...)* CSI 21120.004. ISBN 0-662-57570-9 MICROLOG 90-07236 1 fiche

Au Canada, la première loi qui a porté sur la nationalité canadienne a été la Loi sur la citoyenneté canadienne, entrée en vigueur le 1er janvier 1947. Cette loi a été remplacée le 15 février 1977 par l'actuelle Loi sur la citoyenneté. Cette publication présente des statistiques sur les principales caractéristiques des personnes ayant obtenu la citoyenneté canadienne en 1988. Elle comprend des renseignements tels que la province de résidence, le sexe, l'âge, la situation de famille,

l'année d'immigration au Canada, le pays de la nationalité antérieure ainsi que le pays de naissance. Elle renferme également des statistiques concernant les Canadiens et Canadiennes ayant demandé et reçu en 1988 un certificat établissant leur citoyenneté. CA EX SA ST

### Statistiques des accidents de la circulation au Nouveau-Brunswick, 1988

Fredericton : Ministère des transports, 1989. 31 p. *Bilingue (New Brunswick motor...)* CSI 45117.004. MICROLOG 90-03286 1 fiche

Ce rapport présente des statistiques des accidents de la circulation au Nouveau-Brunswick pour l'année 1988. Il donne des renseignements tels: le total des accidents de véhicules à moteur rapportables; les accidents mortels; les accidents causant des blessures corporelles, les accidents causant des dommages matériels; les personnes tuées et blessées, les véhicules à moteurs immatriculés, et les conducteurs ayant un permis de conduire. AP PR SC ST TR

### Statistiques du crédit agricole, 1988-89

Société du crédit agricole Canada. Ottawa : la Société, 1989. iv, 43 p. *Bilingue (Farm credit statistics...)* CSI 22222.003. MICROLOG 90-00823 1 fiche

La Société du crédit agricole (SCA) a été fondée en 1959. C'est une société d'État dont le rôle est de fournir des prêts aux agriculteurs canadiens afin de les aider à aménager des exploitations agricoles viables, comme le stipulent la Loi sur le crédit agricole (LCA) et la Loi sur le crédit aux groupements agricoles (LPGA). Le document porte principalement sur les activités de prêt, les arrérages, les propriétés et les taux d'intérêts, les caractéristiques des emprunteurs LCA, un regard sur l'agriculture canadienne et des tableaux de recensement. AG CA CO ST

### Statistiques du crédit agricole, 1989-90

Société du crédit agricole Canada. Ottawa : la Société, 1990. ii, 42 p. *Bilingue (Farm credit statistics, 1989-90)* CSI 22222.003. MICROLOG 90-06557 1 fiche

La Société du crédit agricole est une société d'État dont le rôle est de fournir des prêts aux agriculteurs canadiens afin de les aider à aménager des exploitations agricoles viables, au sens de la Loi sur le crédit agricole et de la Loi sur le crédit aux syndicats agricoles. Les statistiques présentées dans cette publication touchent les activités de prêt, les arrérages et taux d'intérêt, et les caractéristiques des emprunteurs. On retrouve également des données générales sur l'agriculture canadienne. AG CA CO SC ST

### Statistiques électorales du Québec par municipalités et secteurs de recensement, 1970-85

établies et présentées par Pierre Drouilly. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1988. 2 v. Bibliogr. (Bibliographie et documentation : 27) Contents: Vol. 1 : Abitibi-Est à Marguerite-Bourgeoys -- vol. 2 : Marie-Victorin à Westmount. CSI 65101.201. ISBN 2-551-06841-X MICROLOG 90-01224 15 fiche

Cet ouvrage fournit les résultats des élections québécoises de 1970 à 1985 et du référendum de 1980, présentés au niveau de toutes les municipalités du Québec et, à l'intérieur de celles-ci, le cas échéant, au niveau de tous les secteurs de recensement de la population définis par Statistiques Canada. Les données

sont présentées par ordre alphabétique de circonscriptions électorales et, pour chacune de celles-ci, on donne le résultat des consultations de 1970 à 1985 sur la base des limites en vigueur à l'élection de 1985. De plus, une annexe fournit les résultats pour les villes qui se trouvent dans plus d'une circonscription électorale (Montréal et Québec notamment) et un index des municipalités permet de les rattacher à leur circonscription électorale d'appartenance. PA PR QU ST

### Statistiques électorales du Québec, 1867-1985 -- 2e éd.

compilées et présentées par Pierre Drouilly. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1986. x, 703 p. Bibliogr. (Bibliographie et documentation : 10) CSI 65101.202. ISBN 2-551-06628-X MICROLOG 90-01223 8 fiche

Cet ouvrage fournit, au niveau des circonscriptions électorales du Québec, les résultats détaillés de toutes les élections générales et partielles tenues depuis le début de la Confédération jusqu'aux élections générales du 2 décembre 1985. On y fournit également le nom et l'affiliation politique de tous les candidats à ces élections générales et partielles. Les résultats du référendum de 1980 complètent les données, ainsi que des tableaux synthétiques sur le vote et le nombre de candidats et d'élus par affiliation politique pour chacune des 33 élections générales tenues entre 1867 et 1985. PA PR QU ST

### Statistiques fiscales de 1989 : analyse des déclarations T1 d'impôt sur le revenu des particuliers pour 1987 et statistiques diverses

Ottawa : Revenu Canada, Impôt, 1989. 344 p. *Bilingue (Taxation statistics, 1989...)* CSI 22173.002. ISBN 0-660-55061-X MICROLOG 90-01063 4 fiche

Le document fournit des renseignements tels la description des postes; les principales variables de classement; les fac-similés des formules de déclarations d'impôt sur le revenu des particuliers de 1987; les tableaux récapitulatifs des statistiques concernant les particuliers; les tableaux de base des statistiques concernant les particuliers; les statistiques géographiques et historiques. CA CO PA ST

### Statistiques relatives aux travaux de reboisement réalisés dans les forêts publiques, 1987-88

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Service de la régénération forestière, 1988. v. 136 p. : ill. CSI 66110.015. ISBN 2-550-19329-6 MICROLOG 90-04376 2 fiche

Ce rapport fait état des travaux réalisés dans les forêts publiques en 1987-1988, pour trois activités sylvicoles reliées à l'établissement de la régénération par voie de plantation. On trouve les informations techniques financières au niveau régional et provincial. L'information détaillée des projets réalisés dans chaque unité de gestion a été regroupée aux annexes I, II et III. FO PR QU SC ST

### Statistiques sommaires du N.-B., VIII : réponses aux questions que l'on se pose souvent

Fredericton : Commission de l'alcoolisme et de la pharmacodépendance du Nouveau-Brunswick, Division de la recherche, 1990. 25, 25 p. : ill. *Bilingue (Fastats N.B., VIII...)* CSI 46100.002. ISSN 0833-5117 MICROLOG 90-05133 1 fiche



Ce document présente des statistiques sur la consommation d'alcool et de médicaments au Nouveau-Brunswick. Il analyse les problèmes associés à l'alcool (accidents de la circulation, alcoolisme, accidents de travail et problèmes sociaux) et fournit aussi des informations sur les groupes d'intérêts spéciaux, sur les services offerts aux alcooliques et aux toxicomanes du Nouveau-Brunswick, ainsi que sur le service de recherche de la Commission. AP BS PR SA ST

#### Statistiques sur l'immigration, 1987

Ottawa : Emploi et immigration Canada, Immigration, 1989. xv, 122 p. : ill. CSI 21126.004. ISBN 0-662-56877-X MICROLOG 90-05511 2 fiche

La Division est chargée de la transmission des données de l'immigration. Cette publication présente les statistiques pour 1987 et comporte 3 volets : des statistiques d'ordre générales (population, immigrants admis et les déplacements entre le Canada et les autres pays), des statistiques sur les immigrants admis et leurs caractéristiques et des statistiques sur le mouvement des personnes qui viennent au Canada à titre temporaire. CA EX SA ST

#### Statistiques sur l'investissement de l'industrie minière du Québec, 1987

Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Secteur mines, Service de la statistique et des opérations, 1989. xii, 59 p. : ill. CSI 66110.011. ISSN 0828-9549 ISBN 2-550-20147-7 MICROLOG 90-00724 1 fiche

Le Service de la statistique et des opérations du ministère de l'Énergie et des Ressources produit chaque année plusieurs publications destinées à renseigner les personnes et les organismes intéressés par l'évolution de l'industrie minière québécoise. Cette cinquième édition dresse un bilan des investissements en exploration, mise en valeur, immobilisations et réparations dans le secteur minier au cours de la période 1983 à 1987. CO NR PR PS QU SC ST

#### Statistiques sur la recherche et le développement industriels au Québec, 1987

Québec : Bureau de la statistique du Québec, Statistiques économiques, 1989. 43 p. CSI 67131.030. ISBN 2-551-12180-9 MICROLOG 90-02042 1 fiche

Ce rapport statistique présente différents tableaux sur la recherche et le développement (R-D) industriels au Québec en 1987, ainsi que quelques tableaux comparatifs avec le Canada et les autres provinces. L'information est organisée selon la 'Classification type des industries de 1980'. L'information produite touche essentiellement les dépenses en R-D, le personnel affecté à la R-D et le financement de la R-D. CO PR QU SC ST

#### Statistiques sur les prises d'ours noirs au Nouveau-Brunswick, 1988

par K. Craig. Fredericton : Ministère des ressources naturelles et de l'énergie, Direction de la pêche sportive et de la chasse, 1988. 20 p. : ill. L'éd. anglaise (*Black bear harvest statistics...*) sur la même fiche. CSI 45124.005. MICROLOG 90-02263 1 fiche

La poussée d'intérêt envers la chasse à l'ours noir que l'on a connue au cours des années précédentes semble s'être quelque peu stabilisée en 1988. Les ventes de permis n'ont augmenté que de 1 % par rapport aux totaux de 1987. Le nombre d'ours enregistrés (1 062) a connu une hausse de 8 % par rapport à 1987. Les bêtes déclarées par les non-résidents représentent environ 75 % de tous les ours enregistrés, etc. On trouvera dans ce document le sommaire des statistiques sur les prises d'ours compilées d'après les données d'enregistrement. AP EV PR SC ST

#### Statistiques sur les prises d'ours noirs au Nouveau-Brunswick, 1989

par K. Craig. Fredericton : Ministère des ressources naturelles et de l'énergie, Direction de la pêche sportive et de la chasse, 1990. 20 p. : ill. L'éd. anglaise (*Black bear harvest statistics...*) sur la même fiche. CSI 45124.005. MICROLOG 90-07086 1 fiche

Les chasseurs à l'ours noir du Nouveau-Brunswick ont, en 1989, enregistré le plus haut taux de succès jamais vu. Les chasseurs non résidents ont connu plus de succès que les chasseurs résidents avec des taux de 31 % par rapport à 16 %. Le nombre total d'ours enregistrés a cependant décliné d'un pour cent par rapport au total de l'année précédente. La vente de permis a, quant à elle, subi une baisse de 31 %. L'augmentation du prix des permis en 1989 est vraisemblablement la source de cette importante baisse. Ce document se penche sur ces différentes questions en fournissant des statistiques sur les prises d'ours noirs au Nouveau-Brunswick pour l'année 1989. AP CU PR ST

#### Statistiques, 1988-89 : supplément statistique au rapport annuel du Ministère des richesses naturelles pour l'exercice financier se terminant le 31 mars 1989

Toronto : Ministère des richesses naturelles, 1990. 117 p. Bilingue (*Statistics, 1988-89 : a statistical...*). CSI 55116.002. ISSN 0383-5898 MICROLOG 90-05721 2 fiche

Ce document consiste en un supplément statistique au rapport annuel du ministère des Richesses naturelles pour l'exercice financier se terminant le 31 mars 1989. Il porte sur les différents groupes de ressources, les directions, et les secrétariats de la province de l'Ontario. NR ON PR SC ST

#### Statistiques, études de marché et répertoires concernant l'industrie et l'exploitation forestières au Québec : une bibliographie -- Rév.

compilée par Jacques Hébert ; révisée par Johanne Bélanger. Québec : Gouvernement du Québec, Ministère de l'énergie et des ressources, Direction des communications, 1988. 30 p. (Études et bibliographies ; no. 2) ISSN 0838-2255 MICROLOG 90-04918 1 fiche

Cet ouvrage comprend d'abord des références ayant trait aux statistiques dont les mentions de responsabilité sont pour la plupart soit Statistique Canada, soit le Bureau de la Statistique du Québec ou encore le Ministère de l'Énergie et des Ressources. Puis, les études de marché concernant l'industrie forestière au Québec constituent le champ d'intérêt du second chapitre. Quant à la troisième partie, on y a regroupé des répertoires et des listes diverses concernant l'industrie et l'exploitation forestières au Québec. FO PR QU SC

#### Status and distribution of the loggerhead shrike in western Canada

by E.S. Telfer...et al. Ottawa : Canadian Wildlife Service, 1989. 4 p. : maps. Bibliogr. (Progress notes ; no. 184) French ed (*Situation et distribution...*) : 90-02461/1 MICROLOG 90-01704 1 fiche

During the 1987 nesting season, the status and distribution of Loggerhead Shrikes were surveyed in the southern parts of Manitoba, Saskatchewan, and Alberta. Roadside counts were conducted from automobiles on survey routes in areas of the provinces suspected of retaining shrike population. AL CA EV MS SC

#### Status and outlook for the major commercial fish species of Lake Huron, 1990

by F.I. McNeil, E.J. DeLaplante and D.N. Hughes. Owen Sound, Ont. : Ontario Ministry of Natural Resources, Lake Huron Fisheries Assessment Unit, 1990. ii, 202 p. : ill. (Report ; 1-90) (Report ; 2-90) Appendix (i, 106 p.) laid in. CSI 55116.201. ISSN 1180-226X MICROLOG 90-06602 4 fiche

Allocation of fish to the commercial fishing industry are reviewed and where necessary revised annually. This report presents available stock status information from commercial fishing reports and various assessment activities. Harvest and quotas are tabulated by management area and species to facilitate the reconciliation process. Values of fish landed and sold are offered on a similar basis to give an economic dimension to the fishery. Stock status information includes variability in recruitments and recruitment prospects for the upcoming fishing year and stock characteristics and stock performance under past fishing. Recruitment was assessed through independent index fishing and from analysis of age composition data obtained through onboard sampling of commercial catches. Results are presented on a management area basis and also by assessment area where more than one assessment area falls within a management area. FI ON PR SC ST

#### The Status of English statute law in Saskatchewan

Saskatoon, Sask. : Law Reform Commission of Saskatchewan, 1990. iii, 330 p. MICROLOG 90-03800 4 fiche

This report provides a map for the task of disposing of received statute law. The main body of the report discusses the problem of reception, and attempts to identify the living portion of English statute law in the province. An appendix makes proposals for re-enactment of some fifty English statutes, or parts of statutes, as Saskatchewan legislation. JU MS PR

#### Status of larid breeding sites between Frank Channel and Yellowknife Bay, and other observations of larids in the North Arm of Great Slave Lake, 1988

by J. Sirois and L. Seddon. Yellowknife : Canadian Wildlife Service, Western and Northern Region, 1990. vi, 39 p. : maps. Bibliogr. (Technical report series ; no. 90) ISSN 0831-6481 ISBN 0-662-17504-2 MICROLOG 90-06377 1 fiche



Larid (Caspian terns, Common terns, Arctic terns, Herring gulls, Ring-billed gulls and Mew gulls) breeding sites were surveyed in June 1988 in the North Arm of Great Slave Lake, between Frank Channel and Trout Lake, an area previously surveyed in 1986. Many nesting sites were revisited in August. The study recorded changes in abundance and distribution of all larids between Frank Channel and Trout Lake; identified larid breeding sites between Frank Channel and Whitebeach Point and around Waite Island; identified patterns of post-nesting distribution of larids between Frank Channel and Trout Lake; and searched for and recorded the presence of nesting waterfowl at all larid breeding sites surveyed.

• CA EV LS NO SC

#### Status of residential land, 1988

Edmonton : Edmonton Planning and Development Dept., 1988. vi, 16 p. : map. CSI 89453.003. MICROLOG 90-00743 1 fiche

The report is an inventory of the vacant residential land in the newer suburban areas of the city and a record of the annual demand for serviced lots as measured by the building permit approval totals.

AL MU PL ST

#### Status of the Lake Nipigon commercial whitefish *Coregonus clupeaformis* fishery and potential impact of rainbow smelt *Osmerus mordax*, 1989

by B.J. Ritchie. Toronto : Ministry of Natural Resources, 1989. i, 31 p. : ill. Bibliogr. (Report : 1989-2) ISBN 0-7729-5941-2 MICROLOG 90-01138 1 fiche

Lake whitefish is the most valuable commercial species harvested by the Lake Nipigon fish producers. Following the first documented occurrence of rainbow smelt in 1976, smelt have expanded throughout the lake and are particularly abundant in the northwest portion. This report assesses the whitefish stock through sampling of individual fish from commercial landings; sampling of individual fish from a particular whitefish stock using index nets; and reports setting sampling targets based on the most active fishing periods.

FI ON PR SC

#### The Status of women and affirmative action/employment equity in Ontario school boards : report to the Legislature by the Minister of Education, 1988

Ontario. Ministry of Education. Toronto : The Ministry, 1989. 93 p. : ill. French ed. (*Le Statut de la femme...*) : 90-02262/2 CSI 55108.004. ISSN 0843-4077 MICROLOG 90-02261 2 fiche

Contains a profile of women's employment in school boards, and reviews the affirmative action/employment equity incentive fund program, school board initiatives and results, and equal opportunity/affirmative action unit initiatives. It also discusses the benefits of an affirmative action/employment equity program.

CI ED LA ON PR SA ST

#### Status report on the acid precipitation on common loon reproduction in Ontario : the Ontario Lakes Loon Survey

by M. Wayland and D. McNicol. Ottawa : Canadian Wildlife Service, Ontario Region, 1990. iii, 26 p. : ill., maps. Bibliogr. (Technical report series : no. 92) ISSN 0831-6481 ISBN 0-662-17533-6 MICROLOG 90-06416 1 fiche

As part of the Canadian Wildlife Service (CWS) long range transport of airborne pollutants biomonitoring program, a volunteer-based project known as the Ontario Lakes Loon

Survey (OLLS) was expanded in 1987 to study the effects of lake acidification on Common Loon reproduction in Ontario. Data were collected on 491 and 458 lakes in 1987 and 1988 respectively. After combining lakes surveyed in 1988 with those that were surveyed only in 1987, there were 387 lakes with reliable data on loon reproductive success. This paper reviews some of the major results from surveys done in 1987 and 1988, discusses the value of the OLLS as a tool for monitoring loon production in relation to acid rain in Ontario, and identifies areas which must be improved prior to incorporation into the overall CWS biomonitoring program.

• CA EV ON SC

#### Le Statut de la femme et l'action positive/équité d'emploi dans les conseils scolaires ontariens : rapport du Ministre de l'éducation à l'Assemblée législative, 1988

Ontario. Ministère de l'éducation. Ottawa : le Ministère, 1989. 98 p. : ill. L'éd. anglaise (*The Status of women...*) : 90-02261/2. CSI 55108.004F. ISSN 0840-9501 MICROLOG 90-02262 2 fiche

Partout en Ontario, la présence des femmes dans le système scolaire est une réalité de plus en plus évidente. Elles représentent près de la moitié de la population des conseils scolaires, des collèges, des universités et des bureaux du ministère de l'Éducation. En 1987-1988, on comptait 2,3 millions de femmes et d'hommes, comme élèves et membres du personnel, dans le système scolaire; 49,1 pour 100 étaient de sexe féminin. Ce document se penche particulièrement sur la condition de la femme dans l'enseignement en Ontario; la situation actuelle concernant l'emploi des femmes dans les conseils scolaires, le programme du Fonds d'encouragement à l'action positive/équité d'emploi; les initiatives de conseils scolaires et les résultats; les activités de l'Unité de l'égalité des chances/Action positive; et, les avantages d'un programme d'action positive/équité d'emploi.

CI ED LA ON PR SA ST

#### The Statute of Frauds and related legislation

Edmonton : University of Alberta, Institute of Law Research and Reform, 1985. iv, 88 p. (Report : no. 44) ISSN 0317-1604 MICROLOG 90-01821 2 fiche

The Statute of Frauds, enacted in 1677 by the English Parliament, addresses the problem of false claims being accepted by the courts, by requiring writing for a number of kinds of contracts and for most dispositions of interests in property. Some of its provisions are still the law of Alberta. This report examines the provisions of the Statute of Fraud to see whether a requirement of writing in the cases to which it applies is still useful. It makes recommendations concerning where the requirement should be retained, and where it should be abolished.

AL JU PR

#### Statutory grain freight rates from Alberta to Vancouver/Prince Rupert and Thunder Bay, 1989-90 crop year

Edmonton : Alberta Economic Development and Trade, Transportation Services ; Alberta Agriculture, Production Economics Branch, 1989. 21 p. CSI 34105.006. MICROLOG 90-01391 1 fiche

The Western Grain Transportation Act (WGTA) confers upon the National Transportation Agency the authority to prescribe the annual rate scale for the movement of western grain by rail on or before April 30th for the next crop year. This publication provides information on statutory grain freight rates from local delivery points to Vancouver, Prince

Rupert, and Thunder Bay. The publication lists the local shipping points alphabetically, the railway serving the point, the mileage to port upon which the freight rate is based, the base rate scale, the total 1989-90 rail freight rate, the amount of rail freight rate to be paid by the federal government, and the producer share prescribed under the WGTA.

AG AL CO PR SC

#### Steelhead harvest analysis, 1984-85

by S.J. Billings. Victoria : Ministry of Environment, 1986. 43 p. : ill. (Fisheries technical circular ; no. 71) CSI 37105.006. ISSN 0319-9436 MICROLOG 90-06969 1 fiche

Since 1966, all anglers fishing for steelhead in the province have been required to purchase a steelhead licence and punchcard in addition to their basic angling licence, providing an opportunity for fisheries biologists to evaluate the steelhead trout sport fishery by conducting a mailout questionnaire survey of steelhead anglers. Those steelhead which escape the commercial fleet and Indian food fishery are available to the sport angler who is presently the only user group whose 'take home' catch can be easily regulated to ensure that enough steelhead survive to spawn. This report details the results of the 1984-85 Steelhead Harvest Questionnaire, as well as presents a comparative summary of previous years' data. Included is a review of the 1984 juvenile steelhead released from provincial and federal rearing facilities, as well as information from the questionnaires dealing with anglers and catch.

BC CU FI PR SC

#### Stereophotographic analysis of the marine, sublittoral sediment-water interface

by D.J. Wildish, B. Frost and A.J. Wilson. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Marine Fish Division, Biological Sciences Branch, Biological Station, 1990. iii, 14 p. Bibliogr. (Canadian technical report of fisheries and aquatic sciences : no. 1726) This is the two hundred and eighth technical report from the Biological Station, St. Andrews. N.B. ISSN 0706-6457 MICROLOG 90-04319 1 fiche

Description of the method of deploying the Lobsiger Deep Shelf stereo camera system in a geographic survey of benthic communities on the southwest Scotian Shelf. Particular attention is given to the analysis of pairs of stereoslides and suggestions are made for a sediment particle size scale, bottom roughness estimate and sediment stability index, as well as methods to determine biological characteristics. The latter includes identification to the lowest possible taxon for epifauna and mobile fauna, an estimate of bio-volume for these taxa, and a classification of community types based on trophic group typology.

• AP CA CF FI LS SC

#### Sterility and secondary sexual characters of triploid *Gnathopogon elongatus caeruleus*

by K. Ueno. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 12 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5178) Originally published in Japanese, in Japan. ISSN 0704-3716 MICROLOG 90-00085 1 fiche

Biwa gudgeon triploids were produced and the development of their gonads and the appearance of secondary sexual characteristics were examined in detail. This report discusses induction conditions based on cold treatment of triploids and the practical usefulness of bred sterility.

• CA CF FI LS SC



**Stobie Township**

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 20 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 564) *Fold. maps not filmed.*  
MICROLOG 90-04573 1 fiche

Geological data inventory for Stobie Township, including a checklist of data sources, a reference list of mineral commodities, mineral occurrences, type of exploration work done and by whom, drillhole summary by company, results of an airborne geophysical survey, topographical maps available, newspaper clippings, results of an OGS/ODM general index search, and selected references.  
NR ON PR SC

**Stock assessments for British Columbia herring in 1988 and forecasts of the potential catch in 1989**

by V. Haist and J.F. Schweigert. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. ix, 48 p. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2028) ISSN 0706-6473  
MICROLOG 90-01067 1 fiche

Herring stock abundance in British Columbia waters was assessed for 1988 and forecasts were made for 1989 using both an escapement model and an age-structured model. Diving spawn survey data was utilized in the escapement model wherever available. Forecasts of pre-fishery biomass were obtained by weighting the estimates from the 2 models.  
● BC CA CF FI SC

**Stock assessments for British Columbia herring in 1989 and forecasts of the potential catch in 1990**

by V. Haist and J.F. Schweigert. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Biological Sciences Branch, Pacific Biological Station, 1990. viii, 62 p. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2049) ISSN 0706-6473  
MICROLOG 90-04785 1 fiche

Assessment of herring stock abundance in B.C. waters for 1989 with forecasts for 1990. The analysis was made using the escapement model and the age-structured model. Diving spawn survey data was utilized in the escapement model wherever available. Forecasts of pre-fishery biomass are obtained by weighting the estimates from the 2 models. Both methods use a 39-year time series of catch and spawn deposition information and age structure and size-at-age data obtained from biological samples.  
● BC CA CF FI SC

**Stomach contents of commercially important fishes landed in British Columbia during 1982-83, I : Pacific cod *Gadus macrocephalus*, September-November 1982**

by S.J. Westrheim, P.B. McCarter and D.E. Hay. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 69 p. : ill., maps. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2025) ISSN 0706-6473  
MICROLOG 90-01420 1 fiche

In 1982, a study was undertaken to investigate the frequency of Pacific herring in the diets of commercially important fishes, with primary emphasis on groundfish in Hecate Strait. The

study was expanded to include other predatory fishes elsewhere, as well as all items in the stomachs of all predators sampled from September 1982-February 1983. Specimens were collected from commercial landings at British Columbia processing plants. Predator species, or species groups, investigated were arrowtooth flounder, chinook salmon, coho salmon, lingcod, Pacific cod, Pacific hake, Pacific ocean perch, sablefish, skate, and spiny dogfish. This report deals with the stomach contents of Pacific cod.  
● BC CA CF FI LS SC

**Storability of prepared raw surimi**

by M. Matsumiya and S. Otake. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 12 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5139) *Originally published in Japanese.* ISSN 0704-3716  
MICROLOG 90-00116 1 fiche

Raw surimi when frozen deteriorates markedly in kamaboko (fish-cake) formability, therefore it is stored in the unfrozen state at -3C by adding sodium chloride and ethyl alcohol. Since there are technical difficulties in maintaining this temperature, it would be desirable to lower the freezing point even further. This paper reports on a number of additives grouped according to chemical structure, and the effect of type and added concentration of these test agents on lowering the freezing point. The effect on the storability of raw surimi of the additives selected from each group was examined for Ca<sup>2+</sup>-ATPase activity and protein solubility of actomyosin as well.  
● CA CF FI SC

**The Story of soil and water conservation in Alberta**

by J.A. Toogood. S.L. : Soil and Water Conservation Society, Alberta Chapter, 1989. 36 p. : ill., maps. Bibliogr.  
MICROLOG 90-00241 1 fiche

Booklet presenting an overview of the types of challenges faced and the methods used in tackling them. The booklet covers the province's resources of soil and water; wind and water erosion and other forms of soil degradation; current conservation efforts; and future efforts.  
AG AL PR SC

**Strait of Georgia creel survey : sport fishery statistics, 1983**

by T.F. Shardlow...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, 1989. vii, 53 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 1872) ISSN 0706-6473  
MICROLOG 90-05220 1 fiche

During the 1970s, the Strait of Georgia tidal sport fishery grew to be the largest harvester of chinook and coho salmon. Deficiencies in traditional methods of estimating sport catch and the need for accurate catch statistics led to the initiation of the creel survey program in 1980. This report presents catch and effort data for the Strait of Georgia tidal sport fishery for each month of 1983 and for each statistical area. The statistics were derived by combining the data from over 26,000 interviews and 50 aerial surveys. Estimates were provided for the number of sport fishing boat trips and the catches of chinook, coho, and pink salmon along with rockfish, lingcod, dogfish and other finfish. Also given are numbers of marked (adipose fin-clipped) and unmarked chinook and coho examined during the creel survey, and the age composition of the chinook catches.  
● BC CA CF FI SC

**Strait of Georgia sport fishery creel survey statistics for salmon and groundfish, 1984**

by T.F. Shardlow and L.D. Collicutt. Nanaimo, B.C. : Dept. of Fisheries and Oceans, 1989. vii, 61 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2032) ISSN 0706-6473  
MICROLOG 90-05235 1 fiche

Report on catch and effort data for the Strait of Georgia tidal sport fishery for each month in 1984, derived by combining the data from over 30,000 interviews and 55 aerial surveys. Estimates were provided for the number of sport fishing boat trips and the catches of chinook, coho, and pink salmon along with rockfish, lingcod, dogfish and other finfish. Numbers of marked (adipose fin-clipped) and unmarked chinook and coho examined during the creel survey, and the age composition and length distribution of chinook catches are also given. An appendix includes all catch and effort statistics for each combination of month and statistical area.  
● BC CA CF FI SC

**Strait of Georgia sport fishery creel survey statistics for salmon and groundfish, 1985**

by T.F. Shardlow and L.D. Collicutt. Nanaimo, B.C. : Dept. of Fisheries and Oceans, 1989. vii, 60 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2033) ISSN 0706-6473  
MICROLOG 90-05243 1 fiche

Report on catch and effort statistics for the Strait of Georgia tidal sport fishery for each month in 1985. The statistics were derived by combining the data from over 39,000 interviews and 69 aerial surveys. Estimates were provided for the number of sport fishing boat trips and the catches of chinook, coho, and pink salmon along with rockfish, lingcod, dogfish and other finfish. Numbers of marked (adipose fin-clipped) and unmarked chinook and coho examined during the creel survey, and the age composition and length distribution of chinook catches are also given. The appendix includes all catch and effort statistics for each combination of month and statistical area.  
● BC CA CF FI SC

**Strait of Georgia sport fishery creel survey statistics for salmon and groundfish, 1986**

by T.F. Shardlow and L.D. Collicutt. Nanaimo, B.C. : Dept. of Fisheries and Oceans, 1989. vii, 61 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2034) ISSN 0706-6473  
MICROLOG 90-05221 1 fiche

During the 1970s, the sport fishery grew to be the largest harvester of chinook and coho salmon in the Strait of Georgia. In 1980, the Strait of Georgia creel survey program was initiated to meet the need for accurate and timely sport catch statistics primarily for chinook and coho. This report documents the 1986 catch and effort statistics by month and statistical area and discusses the methodology for collecting these data. The statistics were derived by combining the data from over 35,000 interviews and 69 aerial surveys. Estimates were provided for the number of sport fishing boat trips and the catches of chinook, coho, pink, sockeye and chum salmon along with rockfish, lingcod, dogfish and other finfish. Also given are numbers of marked (adipose fin-clipped) and unmarked chinook and coho examined during the creel survey, and age composition and length distribution of chinook catches.  
● BC CA CF FI SC



**Strait of Georgia sport fishery creel survey statistics for salmon and groundfish, 1987**

by T.F. Shardlow and L.D. Collicutt. Nanaimo, B.C. : Dept. of Fisheries and Oceans, 1989. vii, 62 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2035) ISSN 0706-6473  
MICROLOG 90-05228 1 fiche

Report of catch and effort statistics for the Strait of Georgia tidal sport fishery for each month in 1987. The statistics were derived by combining the data from over 36,000 interviews and 69 aerial surveys. Estimates were provided for the number of sport fishing boat trips and the catches of chinook, coho, pink, sockeye and chum salmon along with rockfish, lingcod, dogfish and other finfish. Numbers of marked (adipose fin-clipped) and unmarked chinook and coho examined during the creel survey, and the age composition and length distribution of chinook catches are also given. The appendix includes all catch and effort statistics for each combination of month and statistical area.

• BC CA CF FI SC

**Strait of Georgia sport fishery creel survey statistics for salmon and groundfish, 1988**

by T.F. Shardlow and L.D. Collicutt. Nanaimo, B.C. : Dept. of Fisheries and Oceans, 1989. vii, 63 p. : ill. Bibliogr. (Canadian manuscript report of fisheries and aquatic sciences ; no. 2036) ISSN 0706-6473  
MICROLOG 90-05238 1 fiche

Report of catch and effort statistics for the Strait of Georgia tidal sport fishery for each month in 1988. The statistics were derived by combining the data from nearly 34,000 interviews and 68 aerial surveys. Estimates were provided for the number of sport fishing boat trips and the catches of chinook, coho, pink, sockeye and chum salmon along with rockfish, lingcod, dogfish and other finfish. Numbers of marked (adipose fin-clipped) and unmarked chinook and coho examined during the creel survey, and the age composition and length distribution of chinook catches are also given. The appendix includes all catch and effort statistics for each combination of month and statistical area.

• BC CA CF FI SC

**Strategic plan : impaired driving program**

Edmonton : Alberta Solicitor General, 1989. 26 p.  
MICROLOG 90-02303 1 fiche

This paper discusses current initiatives as well as proposed development plans under the following headings: enforcement, education/prevention, community action, public awareness, and research. It outlines objectives for each area and provides strategies for program implementation.

AL PR SA

**A Strategic plan for follow-up to the report of the Minister's Advisory Committee on Evaluation and Monitoring**

Saskatchewan Education : in cooperation with Saskatchewan Teachers' Federation...et al. Regina : The Ministry, 1989. 12 p.  
MICROLOG 90-01076 1 fiche

This report sets the course for evaluation in and of Saskatchewan schools as part of the new Core Curriculum Initiative. It outlines a proposed follow-up strategy to the report in which plans to implement all the recommendations over the next 2 years are presented.

ED MS PR

**Strategic planning for the 1990's**

British Columbia. Ministry of Agriculture and Fisheries. Victoria : The Ministry, 1990. 12 p. ISBN 0-7726-7177-X  
MICROLOG 90-02841 1 fiche

This document provides a framework for input from as many people as possible in establishing a gameplan for the future development of the agriculture, fish and food industry. It provides an environmental assessment, and specifies strategic priorities.

AG BC FI PR SC

**Strategic planning of freight transportation : STAN, an interactive-graphic system**

by T.G. Crainic...et al. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 46 p. : ill., maps. Bibliogr. (Publication ; no. 664)  
MICROLOG 90-01613 1 fiche

STAN is an interactive graphic system for national or regional strategic planning of multimode multiproduct transportation systems. The paper briefly describes the general concepts underlying the system, the data base structure, the assignment procedures and the results. Data and results from an actual application are used to illustrate these concepts.

PR PS QU SC TR

**Strategic planning of freight transportation in Brazil : methodology and applications, part 1 : project summary**

edited by Michael Florian and Teodor G. Crainic. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 46 p. : maps. (Publication ; no. 638)  
MICROLOG 90-01417 1 fiche

The main aim of this collaborative project was to develop the means and the methods for evaluating contemplated changes in the transportation infrastructure used for freight movements in Brazil (rail, highway, ports and navigation, overall demand), with a particular emphasis on energy consumption. The planning methods and the database that supports these methods were to be implemented in Brazil and provide the capability for carrying out strategic planning exercises on a continuing basis. Part I is a project summary stating the main objectives, reviewing the history, and summarizing the achievements made in the new methodological contributions, the development of the STAN system, the specification of data for use with the STAN system, the applications carried, and conclusions on the entire project.

EX PR QU SC TR

**Strategic planning of freight transportation in Brazil : methodology and applications, part 2 : methodology : the new contributions**

edited by Michael Florian and Teodor G. Crainic. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. iv, 247 p. : ill. Bibliogr. (Publication ; no. 639)  
MICROLOG 90-01418 3 fiche

The main aim of the collaborative project was to develop the means and the methods for evaluating contemplated changes in the transportation infrastructure used for freight movements in Brazil (rail, highway, ports and navigation, overall demand), with a particular emphasis on energy consumption. The planning methods and the database that supports these methods were to be implemented in Brazil and provide the capability for carrying out strategic planning exercises on a continuing basis. Part II describes the new methodological developments motivated by the strategic freight transportation problems considered. It contains the general modeling framework developed, as well as the specific representation of various

transportation modes that result by using this modeling approach. The formulation and solution algorithms for the multimode multiproduct network assignment method is described in detail. An approach to computing maximal multimode multiproduct network flows is given as well.

EX PR QU SC TR

**Strategic planning of freight transportation in Brazil : methodology and applications, part 3 : the STAN system**

edited by Michael Florian and Teodor G. Crainic. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 102 p. : ill., maps. Bibliogr. (Publication ; no. 640)  
MICROLOG 90-01423 2 fiche

The main aim of this collaborative project was to develop the means and the methods for evaluating contemplated changes in the transportation infrastructure used for freight movements in Brazil (rail, highway, ports and navigation, overall demand), with a particular emphasis on energy consumption. The planning methods and the database that supports these methods were to be implemented in Brazil and provide the capability for carrying out strategic planning exercises on a continuing basis. Part III describes the main features of STAN, the interactive-graphic planning system for the strategic analysis of multimode multiproduct transportation networks at the regional and national levels developed during the project.

EX PR QU SC TR

**Strategic planning of freight transportation in Brazil : methodology and applications, part 4 : specifying data for the STAN system : requirements, concepts, sources and estimation procedures**

edited by Michael Florian and Teodor G. Crainic. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. ii, 165 p. : ill. Bibliogr. (Publication ; no. 641)  
MICROLOG 90-01424 2 fiche

The main aim of this collaborative project was to develop the means and the methods for evaluating contemplated changes in the transportation infrastructure used for freight movements in Brazil (rail, highway, ports and navigation, overall demand), with particular emphasis on energy consumption. The planning methods and the database that supports these methods were to be implemented in Brazil and provide the capability for carrying out strategic planning exercises on a continuing basis. Part IV describes the data that is required as input to the strategic planning system. The sources are specific to Brazil, while the concepts and the estimation procedures are general in nature, and of broader interest and applicability.

EX PR QU SC TR

**Strategic planning of freight transportation in Brazil : methodology and applications, part 5 : applications**

edited by Michael Florian and Teodor G. Crainic. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 180 p. : ill., maps. (Publication ; no. 642)  
MICROLOG 90-01425 2 fiche

The main aim of this collaborative project was to develop the means and methods for evaluating contemplated changes in the transportation infrastructure used for freight movements in Brazil (rail, highway, ports and navigation, overall demand), with particular emphasis on energy consumption. The planning methods and the database that supports these methods were to be implemented in Brazil and provide the capability for carrying out strategic planning exercises on a continuing basis. Part



V describes the applications realized during the project by using STAN. Freight transport in its particular context is presented, then strategic corridors and the demand for transportation is described, and finally a study of the development of the transportation system of the San Francisco corridor concludes the report.  
EX PR QU SC TR

#### Strategic priorities and conditions for exports of seafood to the USA

by S.O. Olsen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. xviii, 286 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5469) Originally published in Norwegian, by Fiskeriteknologisk Forskningsinstitutt at Tromsø, Norway. ISSN 0704-3716  
MICROLOG 90-00598 4 fiche

Final report of an industry analysis of Norwegian export and marketing companies for seafood. The report includes a survey and analysis of the strategic priorities and conditions of the industry for marketing and distributing seafood to the U.S., internal structures, organization and resources, and a selection of initiatives. The report also includes descriptions of a number of Norwegian companies involved in exports.

• CA CF CO FI SC

#### Stratégie Canada/Terre-Neuve pour la jeunesse : compte-rendu analytique

Ottawa : Gouvernement du Canada, Ministre d'Etat à la jeunesse ; St. John's : Terre-Neuve, 1989. 37, 30 p. Bilingue (Canada/Newfoundland youth strategy...).  
MICROLOG 90-00940 1 fiche

Par la mise en place d'un large éventail de programmes, de services et d'appareils de soutien fédéraux et provinciaux propres à faciliter la transition entre l'école et le milieu du travail, la stratégie veut aider les jeunes de la province à obtenir la scolarité la formation et l'expérience de travail leur permettant de satisfaire à leurs aspirations professionnelles. Le document porte sur la stratégie et examine particulièrement les points suivants: les objectifs de la stratégie Canada/Terre-Neuve pour la jeunesse; les facteurs affectant la transition; les éléments reliés à la conception des programmes; les approches systémiques aux programmes; et les groupes cibles.

• AP CA SA

#### Stratégie canadienne de développement économique des autochtones

Ottawa : Gouvernement du Canada, 1989. 32, 28 p. Bilingue (The Canadian aboriginal economic...). ISBN 0-662-56793-5  
MICROLOG 90-02893 1 fiche

Le document présente tout d'abord la stratégie, pour ensuite examiner les domaines suivants: le développement des entreprises; les entreprises en participation; les sociétés de financement; la planification et le développement économiques des collectivités; l'accès aux ressources; l'acquisition de compétences; les emplois en milieu urbain; la recherche; et, la défense des intérêts.  
CA CO NP

#### Stratégie canadienne de développement économique des autochtones : Programme de développement des entreprises autochtones

Ottawa : Industrie, sciences et technologie Canada, 1989. 8, 8 p. : ill. Bilingue (Canadian aboriginal economic...). ISBN 0-662-57053-7  
MICROLOG 90-02910 1 fiche

Ce programme a été fondé sur la formule du partenariat et a été conçu pour aider les chefs

d'entreprises autochtones à lancer et à gérer eux-mêmes des affaires rentables, partout au Canada. Cette brochure explique les modalités de participation et comment profiter des occasions offertes dans le cadre du Programme de développement des entreprises autochtones.  
CA CO NP

#### Stratégies d'implantation des micro-ordinateurs dans les écoles : le cas de l'Ontario

par M.G. Fullan, M.B. Miles et S.E. Anderson. Toronto : Ministère de l'éducation, Centre d'informatique scolaire, 1989. 188 p. Bibliogr. L'éd. anglaise (Strategies for implementing...) : 90-04962/2. ISBN 0-7729-5255-8  
MICROLOG 90-04963 3 fiche

Ce rapport analyse la mise en oeuvre de la démarche retenue par le ministère de l'Education pour introduire et utiliser les nouvelles technologies éducatives aux paliers élémentaire et secondaire. Il identifie les facteurs-clés de cette mise en oeuvre, en particulier, au niveau local et dans la salle de classe, puis il recommande les stratégies à adopter avec ces facteurs. Ce rapport privilégie des stratégies orientées vers les connaissances et les aptitudes, et capables de susciter et de favoriser une utilisation de grande qualité dans les écoles.  
ED ON PR PS SC

#### Stratégies de réaménagement : réforme globale des soins de longue durée en Ontario

publié par le Ministère des services sociaux et communautaires...et al. Toronto : Ministère des services sociaux et communautaires, 1990. iv, 105 p. : ill. Bibliogr. ISBN 0-7729-7137-4  
MICROLOG 90-06229 2 fiche

L'objet principal cette réforme est de constituer un système de services qui soit cohérent et intégré sur la base des services existants, c'est-à-dire les soins à domicile, les services de soutien communautaires et les soins de longue durée en établissement. Ce document emprunte donc le cheminement suivant: il énonce les orientations stratégiques d'une réforme des services de soutien et de soins de longue durée dans la province, fournit un cadre pour les discussions qui se déroulent au sein des collectivités; et précise des aspects de la réforme qui exigent un supplément de discussion, de consultation et de planification communautaire.  
HE ON PR SA

#### Strategies for implementing microcomputers in schools : the Ontario case

by M.G. Fullan, M.B. Miles and S.E. Anderson. Toronto : Ministry of Education, Computers in Education Centre, 1988. ii, 174 p. Bibliogr. French ed. (Stratégies d'implantation des...) : 90-04963/3. ISBN 0-7729-4673-6  
MICROLOG 90-04962 2 fiche

The Ontario Ministry of Education has committed itself to full-scale, high-quality implementation of microcomputers in all Ontario schools by 1996. This report summarizes methods of implementing educational changes, applies it to the situation in Ontario, and creates an implementation policy and a recommended set of strategies which are designed to help the Ministry, local school systems, and other agencies in implementing ministry policy and approved hardware and software effectively. Data sources include interviews with key ministry, university and industry personnel, policy documents and reports, and several studies of the adoption and implementation of microcomputers in Ontario schools. Ten factors drawn from research on implementation provide the conceptual framework for analyzing and

contrasting the government's broad picture with local experience.  
CI ED ON PR PS SC

#### Des Stratégies pour la qualité de l'éducation en France : réformes de système et pédagogie différenciée

par J. De Lormier. Québec : Conseil supérieur de l'éducation, 1987. 103 p. Bibliogr. (Etudes et documents ; 3) ISBN 2-550-14047-8  
MICROLOG 90-04803 2 fiche

Ce document vise à explorer des stratégies nationales d'amélioration de la qualité dans le système éducatif français; ensuite, il cherche à présenter et à étudier une stratégie particulière, la pédagogie différenciée. Il trace également un portrait de la situation créée par les réformes entreprises dans le système éducatif français. Finalement, il poursuit une discussion sur les stratégies d'amélioration de la qualité découlant des choix gouvernementaux.  
ED PR QU

#### Des Stratégies pour la qualité de l'éducation en Grande-Bretagne et aux Etats-Unis

par A. Marsolais. Québec : Conseil supérieur de l'éducation, 1987. ii, 65 p. Bibliogr. (Etudes et documents ; 2) ISBN 2-550-14046-X  
MICROLOG 90-04802 1 fiche

Cette étude vise à contribuer au repérage d'un certain nombre de stratégies concevables, pour en constituer une sorte de répertoire. C'est pourquoi l'accent est mis en premier lieu sur la présentation des stratégies, puis en second lieu sur une caractérisation du genre des diverses stratégies.  
ED PR QU

#### Strategies to improve Northwest Territories business opportunities related to mining and exploration

Stevenson Kellogg Ernst & Whinney. Yellowknife : Energy, Mines and Resources Secretariat ; Dept. of Economic Development and Tourism, 1987. 124 p.  
MICROLOG 90-01447 2 fiche

This report addresses current and future demand and supply, and recommends practical solutions to achieve at least a 10 million import replacement target. The report addresses an overview of current levels of exploration and production activities; purchasing scenarios and philosophies by mine company, and the exploration sector as a whole; an assessment of business opportunities including identification of specific suppliers of goods and services related to mining and exploration activities; the prioritizing of these business opportunities on the basis of potential for success and economic viability; a matching of NWT business sector capability to these opportunities; and an overview of the mechanisms presently in use to encourage and to assist the development of northern business with recommendations for practical steps to improve their effectiveness.  
CO NO NR PR SC

#### A Strategy for change : British Columbia shipbuilding and repair industry

Victoria : Shipbuilding Action Group, 1990. iii, 42 p. : ill. CSI 37170.204. ISBN 0-7726-1151-3  
MICROLOG 90-06821 1 fiche

On February 20, 1990, Canada's Minister of Finance announced the decision not to proceed with the Polar 8 icebreaker. The implications of this decision for British Columbia shipyards are serious and far-reaching. Construction of the icebreaker was to be the key factor in the restructuring necessary for the industry to compete in the shipbuilding and ship repair business in the 1990s. Without the Polar 8,



British Columbia shipyards will not be able to generate the essential high technology transfer, maintain the existing skills and expertise, or benefit from the vital spin-offs essential for the future health of the industry. In response B.C.'s Minister of Regional and Economic Development announced on February 23, 1990, the establishment of the Shipbuilding Action Group to examine ways to revitalize the west coast shipbuilding and ship repair industry. This report contains the Action Group's long term strategy for survival.  
BC CO PR SC ST TR

# **A Strategy for conserving Ontario's heritage : the report of the Ontario Heritage Policy Review**

Toronto : Ministry of Culture and Communications, 1990. 87 p. : ill. Bibliogr. ISBN 0-7729-7067-X  
MICROLOG 90-06620 1 fiche

Presents the foundations of a strategy for conserving Ontario's heritage. It sets forth a description of challenges facing Ontario and the ways in which its heritage can assist in facing these challenges. It also outlines the broad conservation needs, and articulates a vision to guide conservation efforts.  
CU ON PR

# **Strategy for marketing Norwegian consumer herring -- Rev.**

by O. Osland, R. Richardsen and T. Vassdal. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. v, 86 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5246) Originally published in Norwegian. ISSN 0704-3716  
MICROLOG 90-02716 1 fiche

Review of the structure of the herring industry today, along with the identification of important limiting conditions. The situation of the industry in relation to important competitor countries is discussed, as well as relations to existing and new markets. Finally, diverse strategies for marketing are discussed.  
• CA CF CO FI SC

# **A Strategy for wildlife habitat mitigation for the Oldman River Dam Reservoir**

by J.E. Green and T.R. Eccles. Edmonton : Alberta Public Works, Supply and Services, Oldman River Dam Project Office, 1989. vi, 36 p. : ill. Bibliogr.  
MICROLOG 90-01159 1 fiche

In August 1984, the Government of Alberta announced that a dam would be constructed on the Oldman River, downstream of the confluence of the Castle, Crowsnest and Oldman rivers. A series of mitigation/opportunities plans were formulated and initiated in 1985, including an overview and general data collection, assessment and mitigation design, mitigation implementation, and monitoring. This report presents the steps taken in developing a wildlife habitat mitigation plan. The report includes general objectives and scope, major assumptions and constraints to planning, the amount of habitat lost to flooding, the subsequent habitat need of local wildlife after flooding, and the types of habitat improvement projects required. A mitigation strategy for wildlife and the approximate costs to implement this strategy are discussed. A monitoring program is recommended to assess the success of vegetation establishment, quantify changes in habitat suitability as a result of the mitigation program, and evaluate wildlife use of the specific mitigation projects.  
AL CI EV PR SC

# **Stratification and quality assessment of *Abies lasiocarpa* seeds**

by C.L. Leadem. S.I. Forest Resource Development Agreement, 1989. v, 18 p.

Bibliogr. (FRDA report ; 095) ISSN 0835-0752 ISBN 0-7726-1029-0  
MICROLOG 90-03067 1 fiche

In the past several years there has been increased interest in subalpine fir (*Abies lasiocarpa* (Hook.) Nutt.) for reforesting northern, wet-belt, and high elevation sites in B.C., particularly in the Bell-Irving River valley. Since Ministry and private nurseries were unable to meet the desired seedling quotas for the species because of infrequent cone crops, poor seed quality, low germination, slow initial growth and insufficient understanding of cultural requirements, a project was begun on the cultural requirements of this species, one part of which included problems associated with seed dormancy and vigour. This report presents the results of experiments on the effects of stratification and temperature on germination of *Abies lasiocarpa* seeds, with the aim of demonstrating that seed germination is enhanced under low temperatures if seeds receive appropriate stratification treatment. Seed source was also considered as a factor in the experimental design because individual seedlots may respond differently, independent of the treatment.  
• BC CA FO SC

# **Stratigraphy and oil shale resource potential of the Middle Devonian Marcellus formation, southwestern Ontario**

by M.D. Johnson...et al. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xv, 149 p. : ill., fold. maps. (Ontario Geological Survey open file report ; 5716)  
MICROLOG 90-00865 3 fiche

This report is one of the 4 final reports considering the oil shale resources of the province. The report describes the oil shale resource potential of the Middle Devonian Marcellus Formation - a largely black shale unit which underlies part of southwestern Ontario and north central Lake Erie. The study looks at both the stratigraphy and resource potential of the formation, based on a combination of drilling and organic chemical investigations made of the unit. Extensive use was made of down-hole geophysics which provided good correlation between drill holes and aided in the identification of organic rich zones.  
NR ON PR PS SC

# **Stratigraphy of the Elk Formation in the Fernie Basin, southeastern British Columbia**

by D.A. Grieve and N.C. Ollerenshaw. Victoria : Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, 1989. 79 p. : ill., maps. Bibliogr. (Paper ; 1989-2) Fold. maps not filmed. ISSN 0226-9430 ISBN 0-7718-8756-6  
MICROLOG 90-01760 1 fiche

The Elk Formation is the uppermost formation in the Jurassic-Cretaceous Kootenay Group. This report gives a detailed analysis of the Elk Formation, at its type section and in adjacent parts of the southern Fernie basin, in order to document both its variations and consistencies. Stratigraphic sections were measured at 5 localities in the southern part of Fernie basin and part of one drill core from the Lillyburt coal property in the Flathead coalfield was also described.  
BC NR PR PS SC

# **Stream sediment geochemistry of the Purcell Wilderness Conservancy Study Area (NTS 82F/15,16 and NTS 82K/1,2,7,8)**

by P.F. Matysek...et al. Victoria : Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey

Branch, 1990. 98 p. : maps. (Open file ; 1990-11) Fold. maps not filmed. ISSN 0835-3530  
MICROLOG 90-07372 3 fiche

The Purcell Wilderness Conservancy, located in the mountain range between Kootenay Lake and the Columbia Valley, was created in 1974 to preserve 1,320 sq km of the Purcell Mountains as a roadless tract of recreational wilderness area. Resource development, including mineral exploration and mining which is traditional in the area, was prohibited and any existing claims were frozen by a mineral reserve when the conservancy was established. In 1989 a mineral potential evaluation was initiated to provide the information to settle outstanding issues of mineral resource management. As an integral part of this evaluation, a detailed stream sediment geochemical survey was completed to expand on the geochemical data available from the 1977 regional geochemical survey. This report presents a compilation of new geochemical data and includes data from recent analyses of archived 1977 samples, and of infill sediment sampling in 1989 from the eastern half of the study area. Analytical results for gold and 28 other elements are presented.  
BC NR PR SC

# **Street prostitution : assessing the impact of the law : synthesis report**

Ottawa : Dept. of Justice, Research Section, 1989. vii, 121 p. Bibliogr. French ed. (*La Prostitution de rue...*) : 90-01364/2. ISBN 0-662-17048-2  
MICROLOG 90-01363 2 fiche

This document examines four major questions raised by Bill C-49: Has there been a reduction in the number and visibility of street prostitutes and their customers? What have been the law's other effects (e.g. the displacement of street prostitution to off-street services, increase in danger encountered by prostitutes, deterioration of prostitute/policerelations)? Have the police and courts found the law easier to apply than previous legislation? And has the law been applied equally to male and female prostitutes, and to their customers?  
BS CA JU SA

# **Street prostitution : assessing the impact of the law, Calgary, Regina, Winnipeg**

by A. Brannigan, L. Knafka and C. Levy. Ottawa : Dept. of Justice, 1989. x, 265 p. : ill., maps. Bibliogr. French ed. (*La Prostitution...Calgary...*) : 90-05335/4. ISBN 0-662-17113-6  
MICROLOG 90-05350 3 fiche

Describes the results of an inquiry into street soliciting, the adoption of a new law created to curb it, and some of the major intended and unintended consequences of the law. The research was conducted primarily in Calgary, though evidence of the effects of the law was also sought from brief on-site studies in Regina and Winnipeg. It covers the period from December 1985 to December 1987. Discussion of the reported cases is complete to the end of April 1988. Where it has been possible to incorporate subsequent developments noted during the completion of the report in 1988, this has been done.  
AL CA JU MS SA

# **Street prostitution : assessing the impact of the law, Halifax**

by F. Graves. Ottawa : Dept. of Justice, 1989. 217 p. : maps. Bibliogr. French ed. (*La Prostitution de rue...Halifax*) : 90-05351/3. ISBN 0-662-17116-0  
MICROLOG 90-05352 3 fiche

The intent of Bill C-49 was to make it easier to enforce the law related to street prostitution, and thus to control the incidence of the



phenomenon. The Department of Justice has contracted evaluations of the intended and unintended impacts and effects of the Bill on the control and practice of prostitution in five Canadian cities. These evaluations focus on the implementation and enforcement of Bill C-49 and any changes that have occurred in the practice of prostitution since enactment of the legislation. This report presents the findings for the evaluation conducted in Halifax, Nova Scotia.  
AP CA JU SA

**Street prostitution : assessing the impact of the law, Montreal**

Robert Gemme ; with the assistance of Nicole Payment and Lucie Malenfant. Ottawa : Dept. of Justice, 1989. xvii, 329 p. Bibliogr. French ed. (*La Prostitution...Montréal*) : 90-05319/4. CSI 21127.200. ISBN 0-662-17115-2  
MICROLOG 90-04132 4 fiche

Bill C-49 makes it a criminal offence to communicate or attempt to communicate with or stop another person in a public place for the purpose of engaging in prostitution. This study determines whether the legislation's goals have been met. It also ascertains whether the enforcement of Bill C-49 affected demand by prostitutes for social or medical services, whether citizens and merchants are satisfied with enforcement, and how the print media portrayed the law.  
CA CI JU MU SA ST

**Street prostitution : assessing the impact of the law, Toronto**

by S. Moyer and P.J. Carrington. Ottawa : Dept. of Justice, 1989. xv, 259 p. Bibliogr. Affairs, 1989. xv, 259 p. Bibliogr. French ed. (*La Prostitution...Toronto*) : 90-05318/3. CSI 21127.201. ISBN 0-662-17114-4  
MICROLOG 90-04182 3 fiche

Describes the way Bill C-49 has been implemented by the police and the courts, and the impact of the law on the agencies of social control, especially the police, the courts and social agencies. It also describes the impact of Bill C-49 on the street prostitution business, and assesses the extent to which Bill C-49 has achieved its objectives.  
CA CI JU MU SA ST

**Street prostitution : assessing the impact of the law, Vancouver**

John Lowman ; with the assistance of Laura Fraser. Ottawa : Dept. of Justice, 1989. xxvii, 295 p. : ill., maps. Bibliogr. French ed. (*La Prostitution...Vancouver*) : 90-05320/5. ISBN 0-662-17112-8  
MICROLOG 90-05321 4 fiche

The intent of Bill C-49 was to make it easier to enforce the law related to street prostitution, and thus to control the incidence of the phenomenon. The Department of Justice has contracted evaluations of the intended and unintended impacts and effects of the Bill on the control and practice of prostitution in five Canadian cities. These evaluations focus on the implementation and enforcement of Bill C-49 and any changes that have occurred in the practice of prostitution since enactment of the legislation. This report presents the findings for the evaluation conducted in Vancouver, B.C.  
BC CA JU SA

**Strength and energy balance of decaying river ice**

by T.D. Prowse, M.N. Demuth and C.R. Onclin. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1988. 7 p. : ill. Bibliogr. (NHRI contribution ; no. 88011) Prepared for the 7th Northern Research Basins Symposium. ISSN 0838-1992  
MICROLOG 90-06476 1 fiche

During melt periods, river ice can experience significant changes in strength that, at least partly, determine the severity of break-up conditions. Because of the weakness of ice during this period, in situ strength tests are mandatory and relatively scarce. This paper reports on the use of a borehole jack to determine changes in ice strength during an 18 day pre-break-up melt period on the Liard River, N.W.T. Concomitant measurements were made of the river-ice energy balance.  
CA NO NR PS SC

**Strengthening small business in the 90s**

British Columbia. Task Force on Small Business Programs and Services. Victoria : Ministry of Regional and Economic Development, 1990. 66 p. ISBN 0-7726-1052-5  
MICROLOG 90-02640 1 fiche

Contains a series of recommendations submitted by the Task Force grouped into three categories: access to capital; access to business advisory services; and recommendations to create and maintain a favourable climate for small business.  
BC CO PR

**Strengthening the Canadian federation : the Constitution Amendment, 1987**

Ottawa : Government of Canada, 1987. 19 p. MICROLOG 90-06459 1 fiche

On June 3, 1987, the Prime Minister and all 10 Premiers followed up their April meeting at Meech Lake by agreeing to place the Constitution Amendment, 1987 before Parliament and the provincial legislatures for adoption. This document sets out and explains the text of an amendment that is intended to strengthen Canadian unity.  
CA CI PA

**Stress characterization in plate HY80 by X-ray diffraction**

by E.J.-C. Cousineau and P. Fryzuk. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. ii, 9 p. : ill. Bibliogr. (Report ; MTL 89-35(TR))  
MICROLOG 90-01333 1 fiche

Several techniques may be used to evaluate the stress in various materials, among them the CANMET proto stress analyser, which applies the X-ray diffraction method. A ferric HY-80 plate, which had already been submitted to 4-point bending, was submitted by Defense Research Establishment Atlantic. The plate was investigated in the as-received condition followed by the conventional surface preparation. Data collected by the hole drilling method are also included for comparison. The plate was also examined for preferred orientation using the energy dispersive technique.  
• CA CM PS SC

**Stress corrosion crack growth rates in gas pipelines : progress report I**

by O. Vosikovskiy, F.A. MacLeod and D.R. Kiff. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1990. ii, 15 p. : ill. Bibliogr. (Report ; MTL 90-18(TR))  
MICROLOG 90-07115 1 fiche

This report describes a stress corrosion cracking (SCC) experiment on a full size line pipe, designed to determine SC crack growth rates applicable for field conditions. The 20-in. diameter pipe was pressurized by a pressure sequence simulating one year of operation of the pipeline. Ten environmental chambers, 4 with aqueous electrolytes simulating solutions found under disbonded coating, and 6 with soil and bacteria from pipeline sites where SCC was found were placed on the pipe. Fifty-six local environmental conditions were created in

the chambers by combining environment, cathodic protection potential, water table level in soil, and simulated disbonded coating. Surface cracks 1.5 mm and 2.3 mm deep were introduced for each condition and the growth of the cracks was measured by the DC potential drop technique. Relevant environmental variables and characteristics of bacteria were monitored.

• CA CM EN PS SC

**The Stress induced volatile emissions (SIVE) technique for measuring levels of stress in conifer seedlings**

compiled by D.R. Draketford ; edited by C.D.B. Hawkins. S.I. : Forest Resource Development Agreement, 1989. iv, 20 p. Bibliogr. (FRDA report ; 084) ISSN 0835-0752 ISBN 0-662-17124-1  
MICROLOG 90-04431 1 fiche

The stress induced volatile emissions technique uses gas chromatography to measure the levels of certain gases (such as acetaldehyde, ethane, ethanol, or ethylene) which are released in response to a given stress by plant tissue (needles and stems). This manual gives a short outline of the technique, providing instructions necessary to sample the tissue, to run the samples through the gas chromatograph ensuring safe operation at all times, to collect the data for analysis by computer and to pack the 2 analytical columns utilized in the procedure.  
• BC CA FO PR SC

**A Structural and lithologic model for the formation gold bearing quartz breccias at Gordon Lake, N.W.T. : open file report**

by T. Stokes, M. Zentilli and N. Culshaw. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1989. 13 p. : ill., maps. Bibliogr.  
MICROLOG 90-01960 1 fiche

Continuation of the investigation into the occurrence of gold bearing quartz-breccia systems found at Knight Bay, South Gordon Lake, and further refinement and testing of the regionally predictive model suggested by Stokes et al. (1988). This report summarizes the field data collected in the summer of 1989 and specifically focuses on the stratabound style of quartz-breccia found at Kidney Pond and other localities within the southern Gordon Lake area.  
CA NO NR PS SC

**Structural assessment of the modified turbine blade root design**

by B. Teper. Toronto : Ontario Hydro, Research Division, 1990. ii, 18 p. : ill. (Report ; no. 90-74-K)  
MICROLOG 90-06104 1 fiche

Following the failure of a L-1 stage turbine blade on a Nanticoke 500 MW turbine in 1983, finite element analysis was carried out to calculate stresses in the existing turbine blade roots. The analysis was extended to include several modifications which could be implemented using existing disc steeples and new blades. Efforts to optimize the design of the blade's root and the disc's steeple continue. One such attempt was the new design of the root geometry proposed recently by NEI Parsons. This report presents the results of the finite element analysis of this design.  
EN ON PR PS SC

**Structural change and the adjustment process : perspectives on firm growth and worker turnover**

by J.R. Baldwin and P.K. Gorecki. Ottawa : Statistics Canada, Economic Council of Canada, 1990. xxi, 211 p. : ill. Bibliogr. French ed. (*Changement structurel et adaptation...*) : 90-06767/3. CSI 22215.217. ISBN 0-660-13568-X  
MICROLOG 90-06766 3 fiche



This study is aimed at estimating the pattern and magnitude of worker and job reallocation, in both the long and the short run, as part of the dynamics of the market economy. It addresses such questions as: Have there been shifts in the relative importance of different sectors and industries? What effects do the exit and entry rates of plants have on the release and hiring of labour? How extensive is the employment expansion and contraction of continuing firms? How important is firm size in the process of job gain and job loss? How significant are worker separations? What is the relationship between firm-related job turnover and worker separations? Do 'trade-sensitive' industries experience less or more employment change than other industries?  
CA CO LA ST

### Structural differences between the Vancouver, Victoria, and interior regional economies of B.C.

by H.C. Davis. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1989. 12 p. Bibliogr. (Comparative urban and regional studies ; no. 21) ISSN 0828-2412  
MICROLOG 90-05481 1 fiche (Available on fiche only)

Structurally, the provincial economy of B.C. is composed of three distinct regional economies: the metropolitan Vancouver region with its relative emphasis on producer services, the metropolitan Victoria region with its specialization in administrative services, and the provincial interior, which has a pronounced orientation toward the extractive activities. This paper examines the differences between the three regional economies in terms of labour force distribution, per capita income levels, unemployment rates, and employment growth. It notes the lack of research into the economic linkages between the three regions.  
BC CO PR

### Structural mapping of the Gordon Lake Refold, NWT : a model for the focussing of late-stage, gold bearing quartz breccia-vein systems

by T. Stokes, N. Culshaw and M. Zentilli. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1988. 23 p. : ill., maps. Bibliogr. Fold map not filmed.  
MICROLOG 90-01964 1 fiche

Summary of field observations at Gordon Lake, with an outline of a regionally predictive model to assist in the exploration for additional breccia-vein deposits. Field work was carried out during the summers of 1986 and 1987. The breccia-vein occurrences at Knight Bay, on the southwestern end of Gordon Lake, are situated 70 km NE of Yellowknife and lie within the Burwash formation meta-turbidites of the Yellowknife Basin, the southern most geological domain of the Archean Slave province.  
CA NO NR PS SC

### Structure and strategy of American retail trade : a preliminary study attaching special importance to understanding of extent, implications, and dynamics

by B.A. Hanssen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 149 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5447) Originally published in Norwegian, by Research Institute of Fisheries Technology, at Norway. ISSN 0704-3716  
MICROLOG 90-00628 2 fiche

A growing number of Norwegian fish exporters wish to increase their turnovers through American supermarkets. This report provides a general review of the U.S. retail trade, giving basic information about the structure, strategies, developmental trends and product marketing

strategies. Information is also given on per capita consumption of seafood, consumption of different types of products in the U.S. market, and the reasons for changes in eating habits and shopping patterns/behaviour.  
• CA CF CO FI SC

### Structure des communautés ichthyennes intertidales de l'estuaire du Saint-Laurent et possibilité d'utilisation pour un suivi environnemental

par B. Massicotte, G. Verreault et L. Désilets. Québec : Ministère des pêches et des océans, Direction de la gestion des pêches et de l'habitat, Division de l'habitat du poisson, 1990. vii, 28 p. : ill. Bibliogr. (Rapport technique canadien des sciences halieutiques et aquatiques ; no 1752) ISSN 0706-6570  
MICROLOG 90-06629 1 fiche

Ce rapport s'inscrit dans le cadre de cette vaste étude et rend compte de la structure des communautés ichthyennes intertidales de l'estuaire du Saint-Laurent. Les objectifs spécifiques sont: d'effectuer un inventaire systématique de toutes les espèces rencontrées sur chacun des 4 sites à l'étude; d'établir les caractéristiques biologiques des populations recensées; d'évaluer la variabilité des structures de communautés présentes aux différents sites; et, de récolter des échantillons de certaines espèces en vue d'analyses de contamination et d'effets sous-léaux.  
FI PR QU SC

### The Structure of breeding marks in the dentine of Odontoceti

by G.A. Klevezal, L.I. Sukhovskaya and A.Y. Vilenkin. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 13 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5424) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-01522 1 fiche

For the past 25 years, the age of Odontoceti has been determined by counting the growth layers of dentine, which are alternating bands of varying optical density in sperm whales and dolphins of the genus *Stenella*. These strongly contrasting layers were regularly encountered in almost all adult females, in about 10% of male sperm whales and in 30% of male *Srenella*. This paper gives the results of an analysis of the structure of polished sections and of stained sections of teeth from 12 adult sperm whales which had been preserved dry for 20 years. These sections were compared to sections of decalcified canine teeth obtained from a State fur farm and freshly fixed in neutral formalin. The sections were analyzed with a MF-4 microphotometer and local X-ray spectral analysis for appearance and composition.  
• CA CF FI LS SC

### Student finances and university attrition

by S.N. Gilbert and M. Auger. Ottawa : Dept. of the Secretary of State of Canada, 1988. 33, 35 p. Bibliogr. Bilingual (Situation financière des étudiants...).  
MICROLOG 90-00039 1 fiche

This report examines how the financial situation of students affected their progress or departure once enrolled at a university. It analyzes the financial situation of undergraduate students and the impact of finances, or lack of financial resources, upon student progress or departure using data generated from the CEASE project on student attrition at the University of Guelph.  
CA ED

### Student retention and transition in Ontario high schools : policies, practices, and prospects

by S.B. Lawton...et al. Toronto : Ministry of Education, 1988. xiv, 128 p. Bibliogr. (Student retention and transition series) ISSN 0839-5039 ISBN 0-7729-4929-8  
MICROLOG 90-00141 2 fiche

The purpose of this study is to determine what Ontario high schools might do in order to reduce the dropout rate. Four approaches are taken to the issue: the first focuses on the social ecology of high schools, looking at how they relate to their environment; the second focuses on organizational characteristics that others have reported are associated with more effective schools; the third, an ethnographic approach, views the world through the eyes of students in the process of dropping out; and the fourth focuses on the transition from school to work viewed as a rite of passage.  
ED ON PR

### Student services directory, 1989-90

New Brunswick. Dept. of Education. Student Services Branch. Fredericton : The Branch, 1989. 67 p.  
MICROLOG 90-02816 1 fiche

This document includes a list of Department of Education Student Services Branch staff, and Student Services staff listed by district. It also contains information on the Atlantic Provinces Education Authority, resources for the visually impaired, and resources for the hearing handicapped.  
AP ED PR

### Student writing from the Manitoba Youth Centre : some language experience stories

Winnipeg : Literacy Office, 1989. 13 p.  
MICROLOG 90-03433 1 fiche

This document contains 11 brief stories.  
ED MS PR

### Studies concerning the Myxosporidia of Norwegian marine fishes, and their distribution

by M. Auerbach. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 65 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5185) Originally published in German. ISSN 0704-3716  
MICROLOG 90-00069 1 fiche

Description of the distribution of Myxosporidia in Norwegian marine fishes from Kristiania to Vadsø, conducted in 1911. Freshly caught fish from each port were inspected inside and out; skull bones and cartilage, eyes, and gills were examined and, if suspect, preserved immediately in 5% formalin; the gall bladders of all fish, and the urinary bladders of most were fixed in 5% formalin or sublimate-alcohol-glacial acetic acid and prepared for laboratory study.  
• CA CF FI LS SC

### Studies in Canadian export opportunities in the U.S. market : a summary report on selected manufacturing sectors

Ottawa : External Affairs and International Trade Canada, 1990. 88, 88 p. Bibliogr. Bilingual (Etudes sur les débouchés...sommaire...).  
CSI 21103.214. ISBN 0-662-17553-0  
MICROLOG 90-03889 2 fiche

Provides statistical highlights for 36 sectors, and lists Canadian government contacts in Canada and the United States.  
CA CO EX ST



**Studies in Canadian export opportunities in the U.S. market : agricultural machine parts**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1988. 59, 59 p. : ill. Bibliogr. *Bilingual (Etudes sur les débouchés...pièces...)*. ISBN 0-662-55975-4  
MICROLOG 90-01972 2 fiche

This document provides a preliminary indication of potential opportunities for the expansion of Canadian exports into the United States. It supplies information on individual companies that have indicated an interest in new sources of supply. It also includes information on U.S. import market size and shares, and on industry publications and trade fairs that the companies surveyed felt were most useful.  
AG CA CO EX

**Studies in Canadian export opportunities in the U.S. market : art and crafts**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 24, 24 p. : ill. Bibliogr. *Bilingual (Etudes sur les débouchés...art...)*. CSI 21103.207. ISBN 0-662-55981-9  
MICROLOG 90-01383 1 fiche

This document identifies U.S. importers generally seeking sources of supply, selected U.S. post contacts, current U.S. tariffs on this Canadian product, Canadian government trade contacts in Canada, and Canadian government trade commissioner offices in the United States.  
CA CO EX ST

**Studies in Canadian export opportunities in the U.S. market : auto parts for the original equipment market**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 131, 129 p. : ill. Bibliogr. *Bilingual (Etudes sur les débouchés...pièces...)*. ISBN 0-662-55982-7  
MICROLOG 90-01982 3 fiche

Provides a preliminary indication of potential opportunities for the expansion of Canadian exports into the United States. It supplies information on individual companies that have indicated an interest in new sources of supply. It also includes information on U.S. import market size and shares, and on industry publications and trade fairs that the companies surveyed felt were most useful.  
CA CO EX

**Studies in Canadian export opportunities in the U.S. market : batteries**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 22, 22 p. *Bilingual (Etudes sur les débouchés...piles...)*. CSI 21103.209. ISBN 0-662-55984-3  
MICROLOG 90-01385 1 fiche

This document identifies U.S. importers generally seeking sources of supply, selected U.S. post contacts, current U.S. tariffs on this Canadian product, Canadian government trade contacts in Canada, and Canadian government trade commissioner offices in the United States.  
CA CO EX ST

**Studies in Canadian export opportunities in the U.S. market : chemical specialties**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 65, 67 p. *Bilingual (Etudes sur les débouchés...spécialités...)*. ISBN 0-662-55990-8  
MICROLOG 90-03059 2 fiche

One of a series of reports covering 80

manufacturing sectors and designed to provide a preliminary indication of Canadian export opportunities in the U.S. that may now exist as a result of the rising cost of offshore imports. Each sector report identifies the major products imported into the U.S. from developed countries, explores the effect that the devaluation of the U.S. dollar has had on the price of these imports, and indicates which of these products might provide Canadian suppliers with increased export opportunities in the U.S. The report also identifies some initial export leads for Canadian manufacturers, lists trade fairs and industry publications favoured by U.S. importers, examines the U.S. importers' perceptions of the impact of the Free Trade Agreement between Canada and the U.S. on their purchases of Canadian products, and provides the relevant tariff tables outlining the implementation stages of the Free Trade Agreement.  
CA CO EX

**Studies in Canadian export opportunities in the U.S. market : colours, dyes, paints and varnishes**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 55, 55 p. *Bilingual (Etudes sur les débouchés...colorants...)*. ISBN 0-662-55992-4  
MICROLOG 90-03057 2 fiche

One of a series of reports covering 80 manufacturing sectors and designed to provide a preliminary indication of Canadian export opportunities in the U.S. that may now exist as a result of the rising cost of offshore imports. Each sector report identifies the major products imported into the U.S. from developed countries, explores the effect that the devaluation of the U.S. dollar has had on the price of these imports, and indicates which of these products might provide Canadian suppliers with increased export opportunities in the U.S. The report also identifies some initial export leads for Canadian manufacturers, lists trade fairs and industry publications favoured by U.S. importers, examines the U.S. importers' perceptions of the impact of the Free Trade Agreement between Canada and the U.S. on their purchases of Canadian products, and provides the relevant tariff tables outlining the implementation stages of the Free Trade Agreement.  
CA CO EX

**Studies in Canadian export opportunities in the U.S. market : electrical equipment**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 87, 91 p. *Bilingual (Etudes sur les débouchés...matériel...)*. ISBN 0-662-55995-9  
MICROLOG 90-03082 2 fiche

One of a series of reports covering 80 manufacturing sectors and designed to provide a preliminary indication of Canadian export opportunities in the U.S. that may now exist as a result of the rising cost of offshore imports. Each sector report identifies the major products imported into the U.S. from developed countries, explores the effect that the devaluation of the U.S. dollar has had on the price of these imports, and indicates which of these products might provide Canadian suppliers with increased export opportunities in the U.S. The report also identifies some initial export leads for Canadian manufacturers, lists trade fairs and industry publications favoured by U.S. importers, examines the U.S. importers' perceptions of the impact of the Free Trade Agreement between Canada and the U.S. on their purchases of Canadian products, and provides the relevant tariff tables outlining the implementation stages of the Free Trade Agreement.  
CA CO EX

**Studies in Canadian export opportunities in the U.S. market : jewellery**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1988. 51, 51 p. : ill. *Bilingual (Etudes sur les débouchés...bijouterie)*. ISBN 0-662-56009-4  
MICROLOG 90-01957 2 fiche

Provides a preliminary indication of potential opportunities for the expansion of Canadian exports into the United States. It supplies information on individual companies that have indicated an interest in new sources of supply. It also includes information on U.S. import market size and shares, and on industry publications and trade fairs that the companies surveyed felt were most useful.  
CA CO EX

**Studies in Canadian export opportunities in the U.S. market : material handling equipment**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 59, 57 p. *Bilingual (Etudes sur les débouchés...matériel...)*. ISBN 0-662-56017-5  
MICROLOG 90-03058 2 fiche

One of a series of reports covering 80 manufacturing sectors and designed to provide a preliminary indication of Canadian export opportunities in the U.S. that may now exist as a result of the rising cost of offshore imports. Each sector report identifies the major products imported into the U.S. from developed countries, explores the effect that the devaluation of the U.S. dollar has had on the price of these imports, and indicates which of these products might provide Canadian suppliers with increased export opportunities in the U.S. The report also identifies some initial export leads for Canadian manufacturers, lists trade fairs and industry publications favoured by U.S. importers, examines the U.S. importers' perceptions of the impact of the Free Trade Agreement between Canada and the U.S. on their purchases of Canadian products, and provides the relevant tariff tables outlining the implementation stages of the Free Trade Agreement.  
CA CO EX

**Studies in Canadian export opportunities in the U.S. market : measuring and instrumentation equipment**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 73, 77 p. : ill. *Bilingual (Etudes sur les débouchés...appareils...)*. ISBN 0-662-56019-1  
MICROLOG 90-01973 2 fiche

Provides a preliminary indication of potential opportunities for the expansion of Canadian exports into the United States. It supplies information on individual companies that have indicated an interest in new sources of supply. It also includes information on U.S. import market size and shares, and on industry publications and trade fairs that the companies surveyed felt were most useful.  
CA CO EX

**Studies in Canadian export opportunities in the U.S. market : men's clothing**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 36, 38 p. : ill. *Bilingual (Etudes sur les débouchés...vêtements...)*. CSI 21103.211. ISBN 0-662-56021-3  
MICROLOG 90-01387 1 fiche

This document identifies U.S. importers generally seeking sources of supply, selected U.S. post contacts, current U.S. tariffs on this



Canadian product, Canadian government trade contacts in Canada, and Canadian government trade commissioner offices in the United States. CA CO EX ST

**Studies in Canadian export opportunities in the U.S. market : metalworking machinery and machine tools**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 79, 79 p. : ill. Bibliogr. *Bilingual (Etudes sur les débouchés machines...)*. ISBN 0-662-56024-8 MICROLOG 90-01956 2 fiche

This document provides a preliminary indication of potential opportunities for the expansion of Canadian exports into the United States. It supplies information on individual companies that have indicated an interest in new sources of supply. It also includes information on U.S. import market size and shares, and on industry publications and trade fairs that the companies surveyed felt were most useful. CA CO EX

**Studies in Canadian export opportunities in the U.S. market : miscellaneous machinery**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 50, 56 p. : ill. *Bilingual (Etudes sur les débouchés machines...)* MICROLOG 90-05543 2 fiche

This report includes U.S. import statistics, a sample list of U.S. importers who are interested in Canadian sources of supply, and other general information compiled during the sector review. CA CO EX

**Studies in Canadian export opportunities in the U.S. market : musical instruments**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 71, 73 p. Bibliogr. *Bilingual (Etudes sur les débouchés instruments...)*. CSI 21103 208. ISBN 0-662-56027-2 MICROLOG 90-01384 2 fiche

Identifies U.S. importers generally seeking sources of supply, selected U.S. post contacts, current U.S. tariffs on this Canadian product, Canadian government trade contacts in Canada, and Canadian government trade commissioner offices in the United States. CA CO EX ST

**Studies in Canadian export opportunities in the U.S. market : plastic products**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1988. 83, 83 p. : ill. Bibliogr. *Bilingual (Etudes sur les débouchés produits...)*. ISBN 0-662-56036-1 MICROLOG 90-01974 2 fiche

This document provides a preliminary indication of potential opportunities for the expansion of Canadian exports into the United States. It supplies information on individual companies that have indicated an interest in new sources of supply. It also includes information on U.S. import market size and shares, and on industry publications and trade fairs that the companies surveyed felt were most useful. CA CO EX

**Studies in Canadian export opportunities in the U.S. market : taps, cocks and valves**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade

Canada, 1989. 63, 71 p. : ill. Bibliogr. *Bilingual (Etudes sur les débouchés connexions...)*. MICROLOG 90-05544 2 fiche

Provides a preliminary indication of potential opportunities for the expansion of Canadian exports into the U.S. It includes information on individual companies that have indicated an interest in new sources of supply. CA CO EX

**Studies in Canadian export opportunities in the U.S. market : telecommunications equipment**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 75, 73 p. : ill. Bibliogr. *Bilingual (Etudes sur les débouchés matériel...)*. CSI 21103.213. ISBN 0-662-56047-7 MICROLOG 90-01389 2 fiche

This document identifies U.S. importers generally seeking sources of supply, selected U.S. post contacts, current U.S. tariffs on this Canadian product, Canadian government trade contacts in Canada, and Canadian government trade commissioner offices in the United States. CA CO EX ST

**Studies in Canadian export opportunities in the U.S. market : toys and games**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 26, 25 p. : ill. *Bilingual (Etudes sur les débouchés jouets...)* CSI 21103 212. ISBN 0-662-56049-3 MICROLOG 90-01388 1 fiche

Identifies U.S. importers generally seeking sources of supply, selected U.S. post contacts, current U.S. tariffs on this Canadian product, Canadian government trade contacts in Canada, and Canadian government trade commissioner offices in the United States. CA CO EX ST

**Studies in Canadian export opportunities in the U.S. market : women's clothing**

Peat Marwick Consulting Group. Ottawa : External Affairs and International Trade Canada, 1989. 42, 46 p. : ill. *Bilingual (Etudes sur les débouchés vêtements...)*. CSI 21103 210. ISBN 0-662-56050-7 MICROLOG 90-01386 2 fiche

Identifies U.S. importers generally seeking sources of supply, selected U.S. post contacts, current U.S. tariffs on this Canadian product, Canadian government trade contacts in Canada, and Canadian government trade commissioner offices in the United States. CA CO EX ST

**Studies of fine coal cleaning and upgrading processes for Alberta coals**

Edmonton : Alberta Energy, Scientific and Engineering Services and Research Division, 1989. 10 p. : ill. Bibliogr. *Projects supported in part by the Alberta Canada Energy Resources Research Fund.* ISBN 0-86499-640-3 MICROLOG 90-01019 1 fiche

A broad range of investigations covering some aspects of fine coal recovery and coal upgrading is being pursued in Alberta. Included are studies aimed at recovering more fines in the form of economically valuable products, and upgrading bituminous and subbituminous coals to enhance their energy content and combustion performance characteristics. This brochure describes the recovery of coal from tailings, a froth flotation study at Coal Valley Mine, agglomeration of coking coal, advanced processes for low-rank coal, and coal beneficiation processes. Projects initiated by the Low-Rank Coal Upgrading

Technical Committee and the Fine Coal Cleaning Technical Committee are also listed. • AL CA NR SC

**Studies on asphaltene conversion and catalyst regeneration in two-stage liquefaction of Nova Scotia coals : final report**

by J.J. Starzowski and D.M. Jay. Dartmouth, N.S. : Nova Scotia Research Foundation Corporation, 1990. vi, 80 p. : ill. Bibliogr. *CANMET contract: 89011-01-SQ.* MICROLOG 90-03964 1 fiche

Results of studies on asphaltene conversion and catalyst regeneration in 2-stage liquefaction of Nova Scotia coals. Laboratory experiments were carried out to screen potential asphaltene conversion catalysts and determine the degree to which the activity of aged coal liquefaction catalyst can be restored via controlled oxidation. In addition, 2-stage coal liquefaction tests were conducted to assess the performance of Shell 317 nickel-molybdenum bimodal catalyst.

• AP CA CM NR PS SC

**Studies on indoor air quality in Canadian homes : exploring low-pollution design**

prepared for the Research Division, Canada Mortgage and Housing Corporation ; by Bruce M. Small and Associates. Goodwood, Ont. : Bruce M. Small and Associates, 1985. 161 p. Bibliogr. MICROLOG 90-00947 2 fiche

This paper explores methods for resolving or preventing indoor air quality problems. It also addresses factors affecting vulnerability to indoor air pollution. CA EV SC

**Studies on looseness of cod fillets**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 4 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5413) *Originally published in Icelandic.* ISSN 0704-3716 MICROLOG 90-01532 1 fiche

In Iceland, looseness and cracks are a very common problem in cod fillets, and sometimes in haddock fillets as well. This research studied the principle reasons for such looseness and whether quick chilling would reduce it. Samples of cod were taken from the southwest at 2-week intervals using dragnet boats or trawlers. Living and struggling cod were selected, to exclude the effect of the fishing on the fish as completely as possible. Part of the fish was immediately put in ice water and the rest was stored for 1 1/2 hours on deck before it was bled, eviscerated and put on ice in a box. The fish that was immediately placed in ice water was also bled and eviscerated after 1 1/2 hours and put on ice in a box.

• CA CF FI SC

**Studies on the analysis of pesticide residues in food (XL) PCB residues in imported smelt fished from the Canadian Great Lakes**

by H. Sekita...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 5 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5333) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02094 1 fiche

Polychlorinated biphenyls (PCBs) are a species of aromatic organic chlorine compound and a typical environmental pollutant that is spread over wide areas throughout the world. The Japanese Ministry of Health and Welfare is now setting statutory values for PCB residues in several kinds of foods. In June 1983 an analysis of PCB residues was performed on



frozen smelt captured commercially in Lake Erie. The fish was imported frozen from Canada and analyzed using gas chromatography with ECD.  
 • CA CF EV FI SC

# Studies on the artificial sex control in rainbow trout, *Salmo gairdneri*

by H. Okada. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 102 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5329) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-02098 2 fiche

Sex ratio control and the sterilization of broodstocks are useful for the cultivation of salmonids, especially that of rainbow trout. They are also effective in ensuring the release stock for propagation. Especially in the masu salmon propagation industry in which the release stocks are produced by pond breeding, the increase in the female ratio directly affects the increase in the stock production and the smolting ratio which in turn enables the effective management of the industry. This paper discusses sex chromosomes, reversal methods of sex differentiation by sex steroids, production of all females in the first generation or of all males in the second generation from the sex-reversed fish, and sterilization by all-female triploids of rainbow trout.  
 • CA CF FI LS SC

# Studies on the formation of the house in appendicularians *Oikopleura dioica* Fol

by W.F. Korner. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 90 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5132) *Originally published in German, by Springer-Verlag at Heidelberg.* ISSN 0704-3716 MICROLOG 90-00098 1 fiche

All Tunicata have a common character, namely, that they secrete a tunic. This formation of a tunic has been studied in some detail only in the ascidians and in salps. From the findings available, it can be assumed that the formation of the appendicularian house is homologous to the formation of the tunic in the ascidians and salps. This paper describes the differences in formation and appearance between these two, including a description of the material, the structure and function of the feeding apparatus, the oikoplastic epithelium, the intracellular secretion processes, the extracellular processes during formation, chemical composition of the house, and development of the exuvial bodies. The paper concludes with the affinities of the appendicularians with the other Tunicates, based on the present findings.  
 • CA CF FI LS SC

# Studies on the lampreys of Hokkaido

by S. Sato. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 20 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5180) *Originally published in Japanese.* ISSN 0704-3716 MICROLOG 90-00064 1 fiche

Description of the ecology and taxonomy of 3 species and 1 sub-species of lamprey from the fresh waters of Hokkaido. The lampreys described are *Entosphenus tridentatus*, *Lampetra japonica japonica*, *Lampetra japonica kessleri*, and *Lampetra reissneri*.  
 • CA CF FI LS SC

# Studies on the productivity of Pos'et Bay (Sea of Japan) in relation to the problems of recovery of stocks of yezo scallop

by Y.E. Bregman, I.F. Rassoshko and T.K. Tibilova. Ottawa : National Research Council,

Canada Institute for Scientific and Technical Information, 1989. 18 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5492) *Originally published in Russian, by the Soviet-Japan Symposium on Aquaculture, at Moscow, U.S.S.R.* ISSN 0704-3716 MICROLOG 90-01688 1 fiche

Irrational exploitation of natural stocks of commercial invertebrates in the coastal zone of the Sea of Japan led to a significant decrease in the numbers of many species. The prohibition of commercial exploitation was accompanied by an intensification of scientific studies in the reproduction of commercial species. In 1970 an experimental marine resource management unit was established at Pos'et Bay to initiate wide-ranging attempts to restore the weakened populations of bottom-dwelling invertebrates. The long-term program on the reproduction of the scallop required the solution of such problems as the suitability of different regions of Pos'et Bay for the cultivation of mollusks, an evaluation of the effects of the main environmental factors on the rate of growth of scallops (in particular the temperature at which growth occurs) and the determination of the optimal density of planting in suspended enclosures for the rearing of this year's brood. This paper deals with solution of those problems.  
 • CA CF FI SC

# Studies on the quality of fish held in chilled seawater and in ice, part Vb

by G. Ternes, N. Losnegard and E. Langmyhr. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 9 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5369) *Originally published in Norwegian, by the Directorate of Fisheries, at Bergen, Norway.* ISSN 0704-3716 MICROLOG 90-01499 1 fiche

Bled, round small pollock was stored in chilled seawater and in ice for up to 13 days. Samples were taken at various times during the storing and examined by sensory, chemical, and bacteriological methods. Samples were taken for analyses immediately after the trial was concluded and after refrigeration for one year. This report describes the samples after one year of refrigeration.  
 • CA CF FI SC

# Studies on the quality of fish held in chilled seawater and in ice, part VIb

by G. Ternes, N. Losnegard and E. Langmyhr. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5370) *Originally published in Norwegian, by the Directorate of Fisheries, at Bergen, Norway.* ISSN 0704-3716 MICROLOG 90-01502 1 fiche

Small pollock, gutted and headed, and the same fish, gutted, not headed but gills removed, were stored in chilled seawater and in ice for up to 13 days. Samples were taken several times during the storage period and examined by sensory, chemical, and bacteriological methods. Samples were taken for analysis immediately after the end of the trial and after one year's refrigeration. This report describes the samples after one year's refrigeration.  
 • CA CF FI SC

# Studies to determine whether the condition of fish from the lower Mackenzie River is related to hydrocarbon exposure

by W.L. Lockhart, et al. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1989. vii, 84 p. : ill., maps. Bibliogr. (Environmental studies ; no. 61) ISBN 0-662-16849-6 MICROLOG 90-00391 1 fiche

Investigation conducted in response to complaints from northern people, principally residents of Fort Good Hope, that the quality of fish from the Mackenzie River had deteriorated. Since the incidence of these complaints was coincident with operations to expand oil production at Norman Wells, the investigation focused on the question of whether pollution from Norman Wells (oil) could be responsible for the deterioration. Whitefish and burbot were collected in October 1985 from Arctic Red River, Fort Good Hope, Fort Simpson and Fort Franklin. Other collections of fish relevant to the study were made at Fort Good Hope in November 1983; March 1984; April 1985; and September 1986; at Great Slave Lake in April 1986; at Lake Winnipeg in February 1986; and at Fort McPherson in October 1986. A further collection of burbot was made at Fort Simpson in April 1986. Livers of the fish collected were analyzed in the laboratory and judged by inhabitants of the areas as edible or not. Samples of other body organs were also taken for analyses for parasites and diseases.  
 • CA EN EV FI NO SC

# A Study of a simplified theory of gravity concentration in coal jigs

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1958. ii, 10 p. Bibliogr. (Report, TM 115/58-PREP) *Notes on the theory (i, 10 p.) laid in. Presented at the Coal Division Session of the annual Meeting of the Canadian Institute of Mining and Metallurgy.* MICROLOG 90-04542 1 fiche

To obtain a proper understanding of the operation of jigs or other processes of mineral concentration using gravity separation, it is advisable to analyse the motions, in various media, of particles of different specific gravities and dimensions. This paper deals with the motion of coal or rock particles in water or media of similar density and viscosity under the conditions usually obtained in coal jigs. These conditions are characterized by low fluid velocities, intermediate temperatures and viscosities, and low proportions of very fine particles.  
 • CA CM NR PS SC

# A Study of Anglican church buildings in Manitoba

by K. Crossman. Winnipeg : Manitoba Culture, Heritage and Recreation, Historic Resources, 1989. 177 p. : ill. Bibliogr. ISBN 0-7711-0854-0 MICROLOG 90-05074 2 fiche

The material in this document is divided into two sections. The first provides an overview of the development of Anglican church building in terms of architectural style, building materials and building techniques. It describes individual churches as representative examples of certain trends. The second section consists of a building inventory, undertaken in 1987, comprising 231 churches. It includes all Anglican churches presently used by active congregations.  
 CU MS PR

# A Study of aquatic conditions in Lake Echo during 1984

by P.R. Hinch and J.K. Underwood. Halifax : Dept. of the Environment, 1989. iv, 80 p. : ill. MICROLOG 90-04597 1 fiche

Beginning in 1984 and continuing to 1987, summer residents of Lake Echo expressed concern about the drinking and swimming water quality, increased vegetation, and fish kills. In response to this concern, a study was begun to delineate potential sources of nutrient input into the lake which could stimulate or accelerate lily growth; design a 4-month sampling program for the assessment of chemical and bacteriological water quality, and



measure the water flow above and below 2 bridges of Highway 107 which were built in 1987 and which were thought to have caused rising lake levels and flooding. This report presents the results of that study.  
AP EV PR SC

#### A Study of asphaltene flocculation in heavy oil and asphalt solutions

by B.J. Fuhr...et al. Calgary, Alta. : Chemex Labs, 1989. iv, 40 p. : ill. Bibliogr. CANMET contract: 79131-01-SQ. MICROLOG 90-03383 1 fiche

Two different experimental set-ups are described for determining the onset of asphaltene precipitation in heavy oil solutions. The first system, applicable to experiments under ambient conditions, employs a visible spectrophotometer with flow-through cell. The second, which must be used for experiments at pressures above atmospheric, employs a fiber optics probe which can operate in the visible and near infrared region. A number of heavy oil and asphalt systems were studied using these experimental techniques. This report compared the flocculation data of various heavy oils and residues from different sources, and correlated these results with known background of the samples, as well as determining the relative effects of dissolved CO<sub>2</sub> and propane on the flocculation of asphaltenes in a heavy oil.

• CA CM EN PS SC

#### A Study of Atlantic Canadian user reactions to inter-university electronic networks : summary report

by G. Gurd and J. Picot. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1987. iv, 32 p. Bibliogr. ISBN 0-662-16186-6. MICROLOG 90-02337 1 fiche

Reports on an 8 month study which answered the following questions: What is the usefulness of distributed electronic mail networks to academic and administrative users in the post-secondary institutions of Atlantic Canada? What are the motivating factors and what are the barriers to network use? Will use of networks change the work habits for users in post-secondary institutions? Will use of networks alter the existing patterns of inter-organizational and intra-organizational communications between peers? What will be the cost implications of using networks in the future, on a longer-term, routine basis? And which network and electronic mail features should be recommended for post-secondary sector users in Atlantic Canada?

AP CA LA

#### Study of fines migration in heavy oil reservoirs

by H.A. Nasr-El-Din, G. Coskuner and B.B. Maini. S.I. : Petroleum Recovery Institute, 1989. viii, 113 p. : ill. Bibliogr. CANMET contract: 89018-01-SQ. MICROLOG 90-03385 2 fiche

A review of the literature on fines migration in porous media was conducted and various factors which affect fines migration and their relative importance in heavy oil reservoirs were identified. A corrosion resistant linear core displacement apparatus for fines migration experiments was then built, capable of handling unconsolidated cores (approximately 4 cm x 15 cm), high pressures (up to 20 MPa), and high temperatures (up to 250°C). Representative core samples from 2 different heavy oil reservoirs in Alberta, selected from those with permeability damage problems, were analyzed to determine the type, amount, morphology and location of fines with respect to their pore systems. Various petrographic tests were conducted on each core sample, including XRD, and SEM analysis. A method for extraction of cores,

which minimizes the permeability damage in the extraction process, was developed. The effects of various parameters, including net confining pressure, velocity, permeability, wettability, viscosity and ionic strength of the injected fluid on permeability damage were examined.

• AL CA CM EN PS SC

#### Study of geologic isolation of solidified waste residues

prepared for M.M. Dillon Ltd. ; contracted by the Ontario Waste Management Corporation. Thunder Bay, Ont. : V.B. Cook Co. Limited, 1987. 93 p. : ill., maps. Bibliogr. MICROLOG 90-02863 2 fiche

Summary of the risk, impact, service, and cost factors involved in the underground disposal of solidified waste residues, principally slag and solidified ash from high temperature incineration and solidified residues from physical/chemical treatment of industrial wastes. The report reviews historic and current practice in underground storage, setting out certain concepts for more detailed examination. The study is based on the use of conventional equipment and methods which have been proven elsewhere in the mining and construction industries.

EV ON PR PS SC

#### Study of herbicides in shallow groundwater beneath three irrigated sites in Outlook Irrigation District, Saskatchewan : results of 1987 field investigation

by H. Maathuis...et al. Saskatoon, Sask. : Saskatchewan Research Council, 1988. v, 94 p. : ill. Bibliogr. (SRC publication ; no. R-844-13-E-88) MICROLOG 90-05797 2 fiche

Potential migration of agricultural chemicals from the land surface, through the unsaturated zone, into the saturated zone, is becoming an increasing environmental and public health concern. This report describes the results of a 1987 study to determine whether or not herbicides applied on the land surface of selected irrigated sites migrate downward through the unsaturated zone into the saturated zone; the persistence of herbicides in the saturated zone; the factors which control the downward leaching of herbicides; and whether or not the results of the studies can be used in mass transport models to predict the behaviour of various agricultural chemicals under similar and/or different subsurface conditions.

AG MS PR SC

#### A Study of markets for British Columbia's nepheline syenite and feldspathic minerals

prepared for the province of British Columbia ; under the Canada-British Columbia Mineral Development Agreement ; by H. McVey. Rough & Ready, CA : Mineral Marketing, Inc., 1988. iii, 91 p. : ill., maps. MICROLOG 90-00192 2 fiche

Evaluation of potential markets for feldspar, nepheline syenite and other feldspathic materials to be produced in B.C. These minerals are sources of alumina which acts as a flux in the manufacture of glass and fiberglass and in ceramics, such as whiteware for kitchens and bathrooms. The only North American source, and the major world source of nepheline syenite, is in Ontario where one company produces 500,000 tons per year. This report covers the uses and purposes of the various types of feldspar; market areas; world production and supply in Canada, the U.S., Norway, Mexico, and Brazil; the uses of nepheline syenite and feldspathic materials; markets in western North America and potential markets in the western provinces, the Pacific Northwest, northern and southern California, the Western States, Oklahoma and Texas,

international trade; prices and specifications for feldspar and nepheline syenite; transportation; and potential production sites.

• BC CA CO NR SC

#### Study of mining shock hazards

prepared for the Engineering and Inspection Branch ; by Bensted, Simpson and Associates Ltd. Vancouver, B.C. : The Corporation, 1989. ii, 128 p. : ill. Funded under the Canada-British Columbia Mineral Development Agreement. MICROLOG 90-00186 2 fiche

This study arose out of concern at present practices used at open pit mines which use electrically powered mobile equipment, powered through moveable step-down substations that are frequently relocated as the mining activities proceed. The use of larger equipment sizes has led to higher distribution voltages and concern with grounding faults and their effect upon the primary circuit of the moveable substation. To assess the extent of this problem, 4 mines were visited to conduct soil resistivity and ground impedance measurements; to obtain information on the electrical distribution systems to supply power to portable and mobile electrical equipment at these mines and the grounding methods used; to process the data gathered to determine the actual touch and step potential in the area of portable and mobile electrical equipment; to determine the appropriate soil resistivity models; and to review all field measurements and observations and the results of similar studies that are available in conjunction with available literature and codes including human tolerance of shocks.

• BC CA NR PS SC

#### Study of municipal non-profit housing delivery : final report

Ottawa : Regional Municipality of Ottawa-Carleton, 1989. v, 32 p. : ill. MICROLOG 90-00429 1 fiche

This study identifies and evaluates the effectiveness of the existing system of dispersed delivery, effected through nine Municipal Non-Profit Housing Corporations and the potential improvements to the system, including the option of a Regional Non-Profit Housing Corporation. It concludes with recommendations on the future roles and responsibilities of the Region and the area municipalities with regard to the delivery of social housing.

MU ON SA

#### A Study of Ontario Hydro's contribution to ozone levels in Ontario, phase I : literature review

by X. Lin. Toronto : Ontario Hydro, Research Division, 1989. 24 p. : maps. Bibliogr. (Report ; no. 89-235-K) MICROLOG 90-03518 1 fiche

A careful statistical analysis of long-term trends based on measurements indicates that mean levels of tropospheric ozone O<sub>3</sub>, an important oxidant, at mid-latitude in the northern hemisphere have increased by 20-100% over background values. Frequent occurrences of high O<sub>3</sub> concentration in rural areas in southeastern Canada have become of concern to the Canadian public. Ontario Hydro is an emitter of nitrogen oxides, a precursor of O<sub>3</sub>, and has initiated a study to address this problem. This report presents a general picture of the production of tropospheric O<sub>3</sub>; discusses the important nonlinear characteristics of O<sub>3</sub> production and their significance in regional O<sub>3</sub> budgets, along with Ontario Hydro's need for information on the issue; presents a critical review of the literature; and gives the advantages and disadvantages of the existing oxidant air quality models.

EN EV ON PR SC



**A Study of power generation from wood fuel**

for Restigouche Industrial Commission Inc.  
Fredericton : ADI Limited, 1990. iv, 46 p. : ill.  
MICROLOG 90-07084 1 fiche

Study to examine the economics and the socioeconomics of a wood-fuelled power generation plant in the Kedgwick/St. Quentin area of New Brunswick. The study examines the costs, economics and socioeconomics of a stand-alone wood-fuelled electric power plant and the avoided costs of NB Power, examines the costs, economics and socioeconomics of a cogeneration wood-fuelled power plant; evaluates and recommends specific area locations for both types of plant; examines new industry opportunities related to the availability of steam; and identifies and evaluates compatible sources of fuel such as municipal waste.  
AP CA EN PR SC

**Study of the alkali reactivity of potential concrete aggregate of Newfoundland-Newfoundland MDA**

Golder Associates. St. John's : Golder Associates Ltd., 1989. iv, 323 p. : ill., fold. maps. Bibliogr. CANMET contract: 59255-01-SQ.  
MICROLOG 90-01337 4 fiche

Overview of the potential for alkali aggregate reactions in Portland cement concrete made with selected aggregates and rock types in the province of Newfoundland. The rock types studied are representative of those now being used for ready mix concrete production, and of potential aggregate sources near the head of Placentia Bay, an area being considered for the construction of a concrete offshore oil production platform. The study comprised of an owner contact survey to determine historical alkali aggregate reaction problems; visual assessment of the performance of concrete in 30 highway structures in the southeast corner; core sampling and petrographic examination of the concrete in 8 bridges near the head of Placentia Bay; a brief review of the general geology and of the localized geology at sample locations; standard tests on 35 selected rock and aggregate samples from across the province to determine their physical and durability properties in concrete; standard tests on 25 mortar and 21 concrete specimens made from the aggregate sample to determine the potential expansion characteristics due to alkali reaction with Portland cement.  
AP CA CM NR PS SC

**A Study of the alkali reactivity of potential concrete aggregates of New Brunswick : final report**

Fredericton : ADI Limited, 1989. iii, 961 p. : ill., maps. CANMET contract: OSQ85-00187  
MICROLOG 90-05682 11 fiche

Concrete structures in southern New Brunswick are known, in some cases, to have deteriorated more rapidly than those in other areas of the province. Studies have identified one of the causes as alkali-aggregate reaction. This study, begun in October 1985, reviewed existing studies, owner contacts, and the literature on the problem; conducted site visits to examine concrete structures throughout the province to select representative concretes of varying ages and conditions for sampling and petrographic study, reviewed provincial geology, sampling and petrographic studies of existing and potential aggregate sources to evaluate the aggregate types present and their distribution throughout the province; and conducted a test program to evaluate typical rock types found in provincial aggregates together with a selection of natural aggregates representative of those found in the province.  
● AP CA CM NR SC

**Study of the austenite transformation kinetics of two microalloyed steels for seamless tubular product**

by B. Voyzelle, L. Collins and C. Marchand.  
Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1990. ii, 12 p. : ill. (Report ; MTL 89-76(TR))  
MICROLOG 90-03949 1 fiche

As part of a cooperative research agreement with Algoma Steel Corp., dilatometer trials were carried out to generate continuous cooling transformation (CCT) diagrams for two microalloyed grades of steel (2998C and 3032A) for seamless tubular product. Dilatometry was used to determine the CCT diagrams. In addition to the dilatometer tests, metallographic examination and hardness testing were done to verify the interpretation of data, and express hardness results using generalized hardenability diagrams. This report describes the experimental procedures and presents a complete summary of the results.  
● CA CM PS SC

**A Study of the common mussel**

by L.B. Nysaether. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 75 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5384) *Originally published in Norwegian, by the Directorate of Fisheries at Bergen, Norway.* ISSN 0704-3716  
MICROLOG 90-01552 1 fiche

Common mussels from a commercial breeding facility were studied for one year to establish quality criteria, to determine changes in the quality of the mussels during the year, and to determine the storage life under various conditions. Seasonal variations were studied by determining the content of mantle waters; food content and chemical composition, content of total volatile nitrogen and pH, sensory quality (smell, appearance, consistency, taste and general impression); sensory freshness and survivability in dry storage; total number of live bacteria; number of coliform bacteria and number of fecal streptococci; and content of paralytic shellfish poison. The samples were taken once every 7 weeks. Qualitative changes for dry storage were studied by measurement of mortality; water loss and mantle water contents; content of total volatile nitrogen and ninhydrin reactive substance, pH; sensory quality; and total number of live bacteria. Storage temperatures were 3C and 10C for up to 19 days, with the mussels inspected every 3d or 4th day.  
● CA CF FI LS SC

**A Study of the costs and benefits of the research and extension associated with the integrated pest management program on apples in Ontario**

by M. Stemeroff and D.J. Madder. Toronto : Ministry of the Environment, Pesticides Advisory Committee, 1985. v, 65 p. : ill. Bibliogr. ISBN 0-77294996-4  
MICROLOG 90-02466 1 fiche

Outline of the costs and benefits of research, development and extension of the integrated pest management program used on apples in Ontario from 1965-84. Results depend on the discount rate used. A methodology is included  
AG ON PR SC

**Study of the effects of uranium on kidney function**

by M.A. Moss. Ottawa : Atomic Energy Control Board, 1989. iv, 63 p. : ill. Bibliogr. (Research report ; INFO-0306)  
MICROLOG 90-01125 1 fiche

The toxic chemical characteristics, especially the nephrotoxicity, of inhaled or ingested soluble

uranium, are more dangerous than its radiotoxicity. This study included a comprehensive literature search, site visits to 2 nuclear fuel production facilities, and interviews with those researchers active in the area. The study assessed the significance of exposure to the various compounds present in the nuclear fuel cycle; evaluated candidate markers of uranium nephrotoxicity for potential use in occupational monitoring, and developed recommendations for further studies.  
CA EN HE LS SC

**Study of the helminth fauna of the seals of the Baltic Sea and Lake Ladoga**

by S.L. Delyamure, V.N. Popov and A.N. Trashchenkov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 7 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5112) *Originally published in Russian, in the USSR.* ISSN 0704-3716  
MICROLOG 90-00100 1 fiche

Paper describing the parasitic fauna of 18 Ladoga male and female seals from 1-28 years of age, and from 4 mature females of the Baltic seal. All the animals were examined by partial dissection of the animals and complete helminthologic dissection of individual organs. In addition, collections of helminths from the gastrointestinal tract of a Baltic seal and from the stomach of a grey seal were included. All animals were caught in the Gulf of Finland.  
● CA CF LS SC

**Study of the impact of a household based support programme upon women in Newfoundland and Labrador**

by A. Gregory. St. John's : Women's Policy Office, 1987. 41 p. : ill. Bibliogr.  
MICROLOG 90-03094 1 fiche

The purpose of this report is to estimate the social and economic impacts of the income support system proposed by the Royal Commission on Employment and Unemployment. Section 1 summarizes criticism of the existing income support programmes, the major criticism being the cost of the programmes and the failure of the programmes to address the issue of poverty in Canada. Section 2 summarizes the three income support systems proposed by the three Royal Commissions. Section 3 details the estimated social and economic impact of the proposed programmes, focusing on the Royal Commission on Employment and Unemployment.  
AP CI PR SA

**A Study of the impact of no-till on tractor fuel costs vs crop returns as affected by various no-till planter modifications**

by D. Lobb. Guelph, Ont. : Agricultural Energy Centre, 1989. 37 p. : ill. (Report ; no. 89-1504)  
MICROLOG 90-03937 1 fiche

Careful use of soil and efficient use of fuel is essential to sustain profitable crop production. No crop production system has greater potential to conserve both soil and fuel than does no-till, a method which refers to planting seeds into a strip of soil from which all bulky crop residue has been removed, and which has been treated with planter-mounted passive tillage equipment. This report evaluates various options and compares them for the most cost effective and practical, as well as investigating tractor fuel cost as a factor of crop returns. Comparisons are made with conventional-till crop data.  
AG EN ON PR SC

**A Study of the long-term weathering of submerged and overwashed oil**

by S.C. Lee...et al. Ottawa : Environment



Canada, Environmental Protection Directorate, 1989. vii, 61 p. : ill. Bibliogr. (Report ; EE-119)

MICROLOG 90-06284 1 fiche

Description of the long-term weathering phenomena which are experienced by heavy crude oils and residual fuels when present on a sea surface and subject to overwashing evaporation, dissolution and photolysis. Experiments were designed and conducted to measure the increase in density of 4 oils (2 heavy Californian crude oils, Cold Lake bitumen and a bunker fuel) as they were subjected to these weathering processes. A novel experimental system for making these density measurements was devised and experimental results were obtained and analysed. A mathematical model was developed and fitted to the data.

CA EN EV PS SC

### Study of the Ontario environmental protection industry

prepared by Woods Gordon, Management Consultants ; for Policy and Planning Branch, Ontario Ministry of the Environment. Toronto : The Branch, 1989. 175 p. Bibliogr. ISBN 0-7729-4884-4

MICROLOG 90-00218 2 fiche

Provides an overview of the current economic activity generated in Ontario as a result of environmental regulations, the prospects for the growth of this industry, the impact of free trade on these prospects, and industry views on the potential role of the provincial government in maximizing the economic spinoffs associated with environmental protection activity. It also describes an accompanying forecasting model for use on personal computers which will be used by the Ministry to estimate the macroeconomic impact on the provincial economy of future environmental protection spending.

CI EV ON PR

### A Study of the properties and sintering behaviour of certain nickel powders : progress report no. 1

by H.M. Skelly and C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1968. ii, 29 p. : ill. (Report ; PM-R 68-9)

MICROLOG 90-04652 1 fiche

Examination of the physical properties and sintering behaviour of 8 examples of nickel powder having widely differing particle characteristics. The apparent density, flow rate, particle size and shape, and microstructure of the powders were investigated; sintering behaviour was studied by heating uncompacted and compacted samples at 1105C (2025F) for 2 and 4 hours; and the density and porosity of the sintered powders were measured and their microstructures examined.

• CA CM NR PS SC

### A Study of the properties and sintering behaviour of certain nickel powders : progress report no. 2

by H.M. Skelly and C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1968. i, 13 p. : ill. Bibliogr. (Report ; PM-R 68-18)

MICROLOG 90-04654 1 fiche

Investigation of the physical properties and sintering behaviour of blends of 2 nickel powders. One powder (S grade) consisted of spheroidal particles with a pebbly surface and a size range from 100 mesh (about 1%) to -325 mesh (about 15%). The other powder (G-29 grade) consisted of dendritic particles, 98% of which were -325 mesh. The apparent density, flow rate, green density and compression ratio of the blends were

determined; sintering behaviour was studied by heating non-compacted and compacted (60,000 psi) specimens at 1105C (2025F) for 2 hours; the density and porosity of the sintered blends were measured and their microstructures were examined; and tensile tests were carried out on the compacted and sintered blends.

• CA CM NR PS SC

### A Study of the properties and sintering behaviour of certain nickel powders : progress report no. 3

by H.M. Skelly and C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1971. ii, 22 p. : ill. Bibliogr. (Report ; PM-R 71-6)

MICROLOG 90-04515 1 fiche

The work described in this report is a continuation of a study of the effect of powder properties on the compacting and sintering behaviour of nickel powders. Four nickel powders of differing morphology and particle size were examined and tested in uncompacted and compacted conditions. The effect of blending 3 of the powders was also studied.

• CA CM NR PS SC

### A Study of the properties and sintering behaviour of certain nickel powders : progress report no. 4

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1971. i, 21 p. : ill. Bibliogr. (Report ; PM-R 71-10)

MICROLOG 90-04514 1 fiche

Investigation of the sintering behaviour of 4 nickel powders and 2 series of blends of 3 of the powders. Compaction was carried out at 3 levels of pressure and sintering was done at 900C (1650F) for times of 1/2, 1 and 2 hours. The mechanical properties, density and porosity of the sintered compacts were determined and the microstructure of representative specimens was examined.

• CA CM NR PS SC

### A Study of the properties and sintering behaviour of certain nickel powders : progress report no. 5

by C.F. Dixon and H.M. Skelly. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1973. i, 17 p. : ill. Bibliogr. (Report ; PM-R 73-13)

MICROLOG 90-04664 1 fiche

Final report in a series describing the results of a study of the particle morphology and sintering behaviour of a variety of nickel powders and blends. Earlier reports dealt with the properties of the non-compacted powders and blends and their behaviour on compacting and sintering. This report investigates the sintering behaviour at 1100C (2012F) of 4 nickel powders and 2 series of blends using 3 levels of compacting pressure and 3 sintering times. Evaluation of the sintered compacts was carried out by transverse rupture and tensile testing, density and porosity determination, and microexamination.

• CA CM NR PS SC

### Study of the treatment of acidic seepages employing a combination of wetland ecology and microbiology

by M. Kalin. Toronto : Boojum Research Limited, 1989. iii, 59 p. : ill. Bibliogr. CANMET contract: 89264-01-SQ.

MICROLOG 90-02540 1 fiche

The promotion of wetlands is essential in providing a biological solution to the problem of acid mine drainage. Cattails constitute a great portion of these wetlands and contribute much to the accumulation of organic matter that is essential to the success of a biological polishing

system. The 1st part of this report examines the use of a foliar fertilizer to establish cattails. Two types of fertilizers were applied to a natural and a transplanted stand of cattails using 2 different dilutions. In the 2nd part of the report, the treatment of acid mine drainage (AMD) through the use of alkali generating microbes as an alternative to conventional lime treatment was examined. Organic matter, a source of fixed carbon for the alkali generating microbial ecosystem, was tested in 6 different types of AMD ranging in acidity from 2 mg/l to 900 mg/l (CaCO<sub>3</sub> equivalent), while sulphate concentrations ranged from 75-7300 mg/l. The 3d and 4th parts of the report discuss work in progress at Boojum Research Ltd. and at Dearborn Microbiology Laboratory.

• CA CM EV NR SC

### A Study of the unmet needs of off-reserve Indian and Metis elderly in Saskatchewan

researched by the Saskatchewan Senior Citizen's Provincial Council ; in consultation with off-reserve Indian and Metis elderly. Regina : The Council, 1988. x, 201 p. : ill., maps. Bibliogr.

MICROLOG 90-04336 3 fiche

Study to identify the unmet needs and concerns of Indian and Metis elderly in off-reserve settings in Saskatchewan; to understand how these needs differ from those of other seniors; and to promote an understanding of how the unique needs of the Indian and Metis elderly can be supported by culturally-appropriate policies, program design, and service delivery. 'Indian and Metis elderly' were defined as Status Indians, non-Status Indians, and Metis who are age 50 and older living in off-reserve locations. In southern Saskatchewan, the study focused on the urban native elderly in the centres of Regina, Saskatoon, Prince Albert, North Battleford, and Fort Qu'Appelle. In total, 412 interviews were obtained in these centres. A sample of 64 interviews was also obtained from 11 communities in the north. The study includes a profile of their educational, economic, and language skills and resources; their living arrangements; moving and migration histories and housing satisfaction; health; use of formal and informal care services; and transportation and activity patterns.

MS NP PR SA

### A Study of the zoobenthos in the environment of fish farms in the sea off Sipoo

by P. Partanen. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 25 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences, no. 5267) Originally published in Finnish, at Helsinki. ISSN 0704-3716

MICROLOG 90-02737 1 fiche

Study examining the quality and the degree of pollution of the sea bottom at 2 fish farms operating in the sea off Sipoo, Norway. The effect of fish farming is considered along with the other loads received by the area.

• CA CF FI SC

### Study on hull corrosion and coatings

prepared for Transportation Development Centre, Policy and Coordination Group, Transport Canada ; by B.H. Levelton & Associates Ltd., B.H. Levelton, M.J. Magee and R.D. Robertson. Vancouver, B.C. : B.H. Levelton and Associates Ltd., 1988. xxxiv, 397 p. : ill. Bibliogr.

MICROLOG 90-04071 5 fiche

State-of-the-art review of the methods used to control external corrosion on hulls of ice-going vessels, obtained by a literature search, field trips to eastern Canada, Finland and England, and by contact with companies operating such



vessels in the Canadian Arctic.  
CA NO PS SC TR

### Study on the mass-cultivation technique of feed

by S. Ito and S. Naoe. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 22 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5359) *Originally published in Japanese, by the Aomori-Prefecture Fish Culture Centre, in Japan.* ISSN 0704-3716  
MICROLOG 90-01491 1 fiche

Since 1965, research studies related to the mass-culture of feed, fundamental in the artificial seed-collection of bivalves, have been in progress. Rearing tests of the free-swimming larvae of bivalves of 5 different species were conducted using feeds which are easily cultivated in large quantity and feed which can be easily obtained from the manufacturer. This paper examines the effectiveness of the feeds and their problems. Among the feed tested were seeds of Green, marine yeast, and adult Cho-se-n Ha-ma-gu-ri (*Meretrix lamarckii Deshayesi*). The larvae were put into a triangle-shaped flask or into a chloride-vinyl water tank filled with filtered sea water. During the period between the attachment and the benthic stage, a standard culture fluid was fed and the growth-yields were examined.

• CA CF FI SC

### A Study on the posterior suture tagging in Zuwai crab *Chionoecetes opilio*

by A. Yamasaki. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 6 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5473) *Originally published in Japanese.* ISSN 0704-3716  
MICROLOG 90-00591 1 fiche

Paper on the use of a string anchor tag attached to the coxa of the 4th ambulatory leg sympodite at the suture of Zuwai crabs. The crabs used in the test were gathered in July 1985 by the bolch line fisheries off the Kyoto prefecture of Japan. Three immature females and 1 male were chosen, the crust widths were measured, and anchor tags were attached with a tag gun. The tagged crabs were then reared in a plastic tank during the period preceding ecdysis. The crabs were observed during ecdysis and the placement of the anchor tag was observed.

• CA CF FI LS SC

### Study on the several chemical tests for estimating the quality of canned product, II : on the canned sardine and masu-salmon

by H. Iida... et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 28 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5167) *Originally published in Japanese, by Tokai-ku Suisan Kenkyu-jo in Japan.* ISSN 0704-3716  
MICROLOG 90-00075 1 fiche

In a previous paper, mackerel of various degrees of freshness were subjected to various chemical tests to evaluate the quality of the bottled and canned products. The results of this test indicated that freshness could be determined by the IMP ratio, ethanol content and the histidine-N ratio. This report gives the results of experiments conducted similarly using sardines and masu-salmon. The report also investigated the difference in the values obtained for the chemical tests due to the differing fish species. The results of analysis conducted on the various commercially available canned products using the methods discussed in the paper are also reported here.

• CA CF FI SC

### Study paper on wrongful interference with goods

Ralph L. Simmonds and George R. Stewart ; with the assistance of David P. Paciocco. Toronto : Ontario Law Reform Commission, 1989. xiii, 198 p. Bibliogr. *Bilingual executive summary (10, 12 p.) laid in.* ISBN 0-7729-6604-4  
MICROLOG 90-06083 3 fiche

Examines critically the remedies available to those persons whose goods, or whose interests in goods, have been wrongfully interfered with by some other person. The subject matter examined in this paper includes very old legal causes of action, such as the action of replevin, trespass to goods, and detinue. It also includes some relatively modern developments, such as the tort of conversion, the negligent causing of economic loss, and the tort of interference with a reversionary interest. JU ON PR

### A Study to achieve enhanced oil degradation based on composting the oil with a biomass product : final report

by M.M. Francis. S.I. : Nova Husky Research Corporation, 1989. iii, 85 p. : ill. Bibliogr. *CANMET contract: 89177-01-SQ.* MICROLOG 90-01338 1 fiche

A preliminary study was conducted with the objective of achieving enhanced oil degradation in a closed reactor vessel, based on composting the oil with a biomass product such as the heat-treated peat product, Oclansorb. Oily sludge was treated with permanganate to oxidize complex aromatic molecules, absorbed into the Oclansorb, mixed with bacterial culture and nutrients, and allowed to degrade in reactor systems. Microbial biomass rapidly increased in the reactors, generating heat. Heavy metals did not accumulate in the leachate and polynuclear aromatic hydrocarbon compounds did not accumulate in the leachate waters. Indications are that significant degradation rates were obtained in all cases. CA CM EN EV SC

### A Study to assess the impact of a 'pay the producer' method of payment upon Alberta's food processing industry : final report

commissioned by Alberta Agriculture and the Alberta Department of Economic Development and Trade. Edmonton : Peat Marwick Consulting Group, 1989. v, 90 p. : ill. MICROLOG 90-02293 2 fiche

This study assesses the impact that a change in the method of payment of the Crow Benefit would have upon Alberta's food processing industry. It has generally been perceived that the current method of payment under the Western Grain Transportation Act works to the disadvantage of Alberta's food processing industries by inhibiting opportunities and constraining the ability to access export markets. The study determined the impact which a change to a 'pay-the-producer' method would have upon Alberta's food processors and manufacturers. The report examines the impact of a change upon wheat processing, canola processing, meat processing, supply management, coarse grain, malt/brewer/distillers, and beans, peas and protein. AG AL PA PR SC TR

### Stull Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines. Mines and Minerals Division, Ontario Geological Survey, 1990. 16 p. : fold. maps. (Geological data inventory folio ; GDIF 489) MICROLOG 90-03055 1 fiche

Geological data inventory for Stull Township, including a checklist of data sources, metals

and minerals reference list, mineral occurrences by company, exploration work by company, drillhole summary, results of a general index search, selected references, and references to aerial photographs. NR ON PR PS SC

### Style guide for the development of competency-based learning materials -- 2d ed.

Centre for Curriculum and Professional Development. Victoria : Ministry of Advanced Education, Training and Technology, 1989. 74 p. : ill. Bibliogr. ISBN 0-7726-1045-2  
MICROLOG 90-03830 1 fiche

This style guide provides guidelines for the development of standardized print resources for provincial training programs. It covers writing guidelines, production guidelines, and resources. BC ED PR

### Le Style néo-Queen Anne dans l'architecture au Canada

par L. Maitland. Ottawa : Parcs Canada, Direction des lieux et des parcs historiques nationaux, 1990. 307 p. : ill. Bibliogr. (Etudes en archéologie, architecture et histoire) *L'éd anglaise (The Queen Anne...)* : 90-06867/4. ISSN 0821-1035 ISBN 0-660-92969-4  
MICROLOG 90-06868 4 fiche

Cette étude sur le style néo-Queen Anne fait partie d'une série de publications sur la Division de l'histoire de l'architecture, auparavant l'Inventaire des bâtiments historiques du Canada (IBHC), du Service des parcs d'Environnement Canada. L'IBHC a été mis sur pied en 1970 dans le but de répertorier une grande variété de bâtiments construits au Canada avant 1914. Les édifices ont été photographiés et des descriptions de leur utilisation, des matériaux employés et de leurs caractéristiques structurales et décoratives ont été versées en ordinateur à des fins de référence ultérieure. Le document se penche particulièrement sur les points suivants: les origines du style néo-Queen Anne au Canada; l'architecture des maisons, des immeubles résidentiels, des édifices de loisirs et de villégiature, des établissements privés et publics et des bâtiments commerciaux. CA CU PL SC

### Sublittoral mussel settlements in Kandalaksha Bay of the White Sea

by V.V. Oshurkov and V.V. Lukanin. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 16 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5439) *Originally published in Russian, at USSR.* ISSN 0704-3716  
MICROLOG 90-00618 1 fiche

Description of the local settlements of the sublittoral mussel banks in Kandalaksha Bay of the White Sea. The investigation was conducted from August to October of 1979. Mussels were collected by diving equipment and 26 quantitative samples from 14 areas were analyzed for size, weight and age by counting the annual growth rings. Water salinity was measured also.

• CA CF FI LS SC

### Submarine cements and fabrics in Carboniferous to lower permian, reefal, shelf margin and slope carbonates, northwestern Ellesmere Island, Canadian Arctic Archipelago

by G.R. Davis and W.W. Nassichuk. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1990. iii, 77 p. : ill. Bibliogr. (Bulletin ; 399) MICROLOG 90-05936 1 fiche

Description of the principal submarine cements and other submarine fabrics in the Arctic



upper Paleozoic carbonates, documentation of their elemental and isotopic composition, and discussion of their origin and significance. The report also includes many photographic illustrations of submarine cements and fabrics. CA NO NR PS SC

#### Submission to the Standing Senate Committee on Banking, Trade and Commerce

by M. Couvelier. Victoria : Ministry of Finance and Corporate Relations, 1990. 11 p. : ill. MICROLOG 90-06470 1 fiche

This paper describes the Goods and Services Tax as a flawed tax and a symptom of failed fiscal management. It also discusses the other 'solution' to the deficit problem: federal offloading, and argues that the present style of federalism leads to more spending. It offers a solution of re-financing confederation. BC CO PR

#### Submissions to the Review Panel on Environmental Law Enforcement in Alberta

Edmonton : The Panel, 1990. 268 p. : ill. MICROLOG 90-05859 3 fiche

Series of submissions to the Review Panel from organizations in Alberta and other provinces on environmental law enforcement, suggesting further modifications and changes to the proposed Environment Enforcement Division. Submissions include the effects of the proposed Division on the electric utility industry, the coal industry, the petroleum industry, the chemical industry, and the pulp industry. Descriptions of practices in Ontario and B.C. are also included. AL EV JU PR SC

#### Subsidies and United States trade law : the application to Canada

by M. Smith. Ottawa : Library of Parliament, Research Branch, 1989. 27 p. Bibliogr. (Background ; BP-215E) French ed. (Les Subventions et les lois...) on the same fiche. ISBN 0-660-13492-6 MICROLOG 90-05362 1 fiche

Examines the application of U.S. countervailing duty law to Canadian products. The focus is on domestic subsidies and how the International Trade Administration of the U.S. Department of Commerce has applied the law in relation to Canadian government programs. A description of how subsidies are treated under the GATT is followed by a discussion of U.S. countervailing duty law. It also outlines some implications for the ongoing subsidies negotiations under the Canada-U.S. Free Trade Agreement. CA CO EX

#### Substitution of chloride ion in bis(2-chloroethyl) sulfide (HD) by various oxygen anions

by E.J. Dunn and R.K. Miller. Ottawa : Defence Research Establishment Ottawa, 1990. vii, 16 p. : ill. Bibliogr. (Technical note ; no. 90-9) MICROLOG 90-06109 1 fiche

Because of the need to decontaminate the soldier under conditions of chemical warfare, a wide variety of substitution reactions have been studied to produce non-toxic products suitable for decontamination. The hydrolysis reaction of the classical chemical warfare agent, bis(2-chloroethyl) sulfide, (otherwise known as mustard gas or by its code name, HD) has been studied extensively. This technical note reports the results of the nucleophilic substitution reactions of the potassium salts of benzoic acid, phenol and 2,3-butanediol monoxide upon bis(2-chloroethyl) sulfide. CA EX PS SC

#### Les Subventions et les lois commerciales des Etats-Unis : le cas du Canada

par M. Smith. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 29 p. Bibliogr. (Etude générale ; BP-215F) L'éd. anglaise (Subsidies and United States...) sur la même fiche. ISBN 0-660-92869-8 MICROLOG 90-05362 1 fiche

Cette étude traite de l'application de la législation des Etats-Unis sur les mesures compensatoires à l'égard des produits canadiens. On parle plus spécialement des subventions intérieures et de la manière dont l'International Trade Administration (administration du commerce international) du département du Commerce des Etats-Unis a appliqué la législation en ce qui touche les programmes du gouvernement canadien. On décrit comment les subventions sont traitées dans l'Accord général sur les tarifs douaniers et le commerce (GATT) et on discute de la législation des Etats-Unis en matière de droits compensatoires. On esquisse enfin quelques conséquences qui en découlent pour les négociations en cours sur la question des subventions dans le cadre de l'Accord de libre-échange Canada/Etats-Unis. CA CO EX

#### Sudbury District fisheries management plan, 1990-2000

Toronto : Ministry of Natural Resources, 1990. iv, 55 p. : maps. Bibliogr. Fold. maps not filed. ISBN 0-7729-6737-7 MICROLOG 90-03243 1 fiche

This plan provides long-term fisheries management direction (1990-2000) for both inland and Great Lake fisheries within the Sudbury administrative district. The plan states fisheries management objectives and details specific strategies and tactics to be undertaken during the planning period. The plan includes details of the resource base, and current and project use, as well as such issues and problems as loss or degradation of fish habitat, exploitation, user conflicts, lack of public awareness and insufficient fisheries information. Management direction is indicated for sport fish, lake trout, bait fish and commercial fish. Specific problems and tactics are given by zone. An implementation schedule and an explanation of funding are also included. FI ON PR SC

#### Sugarbush management : a guide to maintaining tree health

by D.R. Houston, D.C. Allen and D. Lachance. Ottawa : Forestry Canada ; Radnor, PA : U.S. Dept. of Agriculture, Forest Service, Northeastern Forest Experiment Station, 1990. 55 p. : ill. Bibliogr. On cover: North American Sugar Maple Decline Project (NAMP). MICROLOG 90-06807 1 fiche

Summary of current information on managing sugarbushes to keep them healthy, using concepts embodied in integrated pest management (IPM). The guide covers structure and development; tapping; abiotic and biotic disturbances; diebacks and declines; methods of field testing for sap sweetness; and a classification of insect and disease pests. • CA FO QU SC

#### Suggested microbiological water quality tests for developing countries and rural and isolated North American communities

by B.J. Dutka. Burlington, Ont. : Canada Centre for Inland Waters, National Water Research Institute, 1989. 18 p. Bibliogr. (NWRI contribution ; 89-153) MICROLOG 90-02452 1 fiche

In accordance with the goals of the United Nations water decade program, developing

countries are concentrating on the provision of adequate quantities of drinking water to their populations. Unfortunately, little attention is being given to protecting and monitoring water quality. To overcome these problems, simplified reliable microbiological water quality tests are required. Controlled studies on the use of A-1 Broth MPN test for fecal coliforms in raw and recreational waters and the Presence/Absence H<sub>2</sub>S paper strip test and coliphage count tests for predicting potential hazards in potable waters were carried out on 4 continents and in 9 countries. This report gives the results of those tests and discusses the need for such simple tests for water quality in developing countries. CA EV EX SC

#### Suggested modifications to the non-coal mine diesel standard, CSA M424.2

by E.D. Dainty. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1990. ii, 20 p. Bibliogr. (Report ; MRL 90-13(TR)) MICROLOG 90-06008 1 fiche

Requests and suggestions from labour, a provincial inspectorate and mine operators for amplification of Clause 5.4 of CSA Standard M424.2 for diesels in non-coal mines, resulted in the analysis and recommendations in this report. The first request was for the definition of relative emissions performance of devices incorporated into the exhaust systems of diesel machines. The second request was for amplification and definition of the on-site factors which could be used to reduce the maximum ventilation prescribed for a given vehicle according to the standard. This report outlines the analysis for the first request. • CA CM EV NR SC

#### Suite aux commentaires du public : élaboration de la Loi canadienne sur la protection de l'environnement

Ottawa : Environnement Canada, 1987. iv, 88 p. L'éd. anglaise (Development of the Canadian...) : 90-02437/1. MICROLOG 90-02438 1 fiche

L'objet de ce document est triple: décrire la nature et l'envergure de la consultation qui a mené à la rédaction de la Loi canadienne sur la protection de l'environnement; répondre aux suggestions et aux commentaires contenus dans plus de 300 mémoires présentés au sujet de l'Avant-projet de loi sur la protection de l'environnement; faire suite aux propositions formulées durant la réunion nationale de consultation au sujet de l'Avant-projet de loi sur la protection de l'environnement. • CA EV SC

#### Le Suivi donné au rapport sur les 'Orientations futures des soins de santé' : rapport d'étape

Saskatchewan. Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 23, 23 p. Rapport déposé par la Saskatchewan à la Conférence des Premiers Ministres. Présenté au Colloque national sur la promotion de la santé et la prévention des maladies. Bilingue (A Progress report on follow-up...). MICROLOG 90-00037 1 fiche

Ce rapport met en lumière divers facteurs qui contribuent à accroître les pressions exercées sur les services et les coûts dans le système des soins de santé. Les principaux facteurs traités sont: le vieillissement de la population canadienne, l'évolution des besoins en matière de soins de santé, l'apparition de techniques nouvelles dans les soins de santé, les attentes de la population quant à l'accessibilité des services de santé, le manque de coordination de la population en ce qui a trait à la disponibilité, la formation et la répartition des professionnels de la santé, l'organisation et les



structures de remboursement, et les mécanismes fédéraux-provinciaux de financement face à l'innovation dans les services. Le rapport propose également de nouvelles orientations stratégiques pour le système de soins de santé.  
● CA HE MS

### Sulphur in Nova Scotia : Pugwash and Hilden occurrences

by D.C. Carter, R.C. Boehner and G.C. Adams. Halifax : Dept. of Mines and Energy, 1987. 7 p. : maps. Bibliogr. (Open file report ; 87-032)  
MICROLOG 90-02566 1 fiche

Brief introductory outline of a comprehensive report on the potential for biogenic sulphur occurrences in Nova Scotia. Detailed petrographic work, geochemical and isotopic analysis are in progress.  
AP NR PR PS SC

### Summaries of orders and reasons by the Rent Review Hearings Board to September, 1988

Toronto : Rent Review Hearings Board, 1988. 62 p. French ed. (Résumés des ordres...) : 90-04613/1.  
MICROLOG 90-04614 1 fiche

Contains descriptions of the individual cases.  
ON PR SA

### Summaries of reports presented to the 4th All-Union Conference on Commercial Invertebrates

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 474 p. (Canadian translation of fisheries and aquatic sciences ; no. 5377) Originally published in Russian, by VNIRO, in the USSR. ISSN 0704-3716  
MICROLOG 90-01551 5 fiche

Compendium of reports presented at the conference, covering the results of research into various aspects of the biology, distribution, abundance and breeding problems of commercial and commercially promising crustaceans (crab, shrimp, crayfish, antarctic krill), cephalopods, bivalve mollusks, gastropods, and echinoderms. A number of papers deal with the use of new methods of research, as well as the effect of environmental factors on marketable hydrobionts.  
● CA CF FI SC

### Summaries of the 1990 current estimates : 1990-94 capital program : 1989 financial report

Hamilton (Ont.). Treasury Dept. Hamilton, Ont. : The Dept., 1990. 137 p. : ill. CSI 89101.001.  
MICROLOG 90-05738 2 fiche

Current estimates include Finance and Administration Committee's and Treasurer's Reports, a summary of the 1990 taxation requirement, comparison of components and mill rates for 1986-90 on an assessment of \$5,000, and revenues and expenditures. Summary of the Capital Program for 1990-94 includes the general government, protection to persons and property, transportation, environmental and recreational and cultural services, planning and development, general contingency, proceeds from capital levy, reserves and reserve funds, self-sustaining transportation services, proposed capital budget program 1995-99 for consideration, gross debenture debt, debenture principal and interest, taxable and equalization assessment, population, adjusted municipal levy and mill rates and value of building permits. Summary of the Financial Report includes a six-year review, Auditor's and Treasurer's Reports, consolidated balance sheet and statement of operations, notes to the consolidated financial statements and trust fund information.  
MU ON PA

### Summary of anadromous salmonid propagation in the North Pacific rim nations

by S. Urawa and M. Kaeriyama. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 15 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5479) Originally published in Japanese. ISSN 0704-3716  
MICROLOG 90-00587 1 fiche

The Salmon Forum 86 symposium was held in Sapporo in September 1986 to consider the future of the salmonid breeding industry. This data was compiled by using basic foreign data provided on the fishing of catadromous fish as well as artificial hatching and releases in the North Pacific area. Data include total world fisheries production, salmonid production, numbers of fish caught by species of North Pacific salmonid, types bred by countries of the North Pacific rim, total quantity of released anadromous salmonide, and number of catadromous salmonid releases per species.  
● CA CF FI LS SC

### Summary of assay data for assays performed on core samples in department core storage libraries and listing of core sample holdings

compiled by A. Harris and S. Cochrane. Charlottetown : Dept. of Mines and Energy, Mineral Lands and Mines Division, 1989. 2 v. Contents: Vol. I : Catalogue of core sample holdings -- vol. II : Assay data file.  
MICROLOG 90-04100 2 fiche

Listing of the open drill core samples housed in core libraries operated by the Newfoundland Dept. of Mines and Energy (excludes core samples in Buchans core library). Information on master number, company number, year, company name, property, library, and file number are given for each drillhole from which core samples are being stored. Part 2 contains a summary of all assays performed on open core samples stored in the Department's core storage libraries, except core in storage from the Gullbridge mine area or cores stored in the Buchans core library. Information on master number, commodity, assay, width, and number of assays are given for each drillhole.  
AP NR PR PS SC

### Summary of British Columbia herring sampling data for the 1988-89 season

by L. Hamer and J. Schweigert. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. v, 121 p. : maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 777) CSI 21105.030. ISSN 0706-6465  
MICROLOG 90-03596 2 fiche

Biological samples of herring are collected and sampled annually for length, weight, sex, maturity, age and gonad weight. This information is used in stock assessments, and for determining stock characteristics. This report summarizes biological characteristics by geographical groupings, time periods, gear, and source types.  
● BC CA CF FI SC

### Summary of explosive, gas, liquid and solid fuels samples examined by the analytical laboratories in 1962

by R.G. Draper...et al. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1962. 5 p. (Report ; FMP 62/207-ADM)  
MICROLOG 90-04536 1 fiche

Annual report begun in 1958 relating to the analyses of explosive materials, gaseous, liquid and solid fuels received and processed by the

Explosives Research, Petroleum and Gas Analysis, and Solid Fuel Analysis sections of the Division. The report records in detail the origination, description and number of samples processed by the 3 laboratories in addition to summarizing those for whom the services were provided.  
● CA CM EN PS SC

### Summary of field work and other activities, 1989

edited by A.C. Colvine...et al. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. ix, 275 p. : ill., maps. Bibliogr. (Ontario Geological Survey miscellaneous paper ; 146) ISSN 0704-2752  
MICROLOG 90-01875 3 fiche

Summary of fieldwork in Precambrian geology, engineering and terrain geology and geophysics/geochemistry programs, as well as geoscience laboratories programs. The locations of the areas investigated in 1989 are compiled on maps at the beginning of the report.  
NR ON PR PS SC

### Summary of fish population data from Rat and Threepoint lakes, 1989

by D.J. Green. Winnipeg : Manitoba Natural Resources, Fisheries, 1990. viii, 74 p. : ill., maps. Bibliogr. (Manuscript report ; no. 90-05)  
MICROLOG 90-05070 1 fiche

Rat and Threepoint lakes are located on the Rat-Burntwood River system. These lakes are flooded in connection with hydro-electric development and the Churchill River diversion. Rat Lake is upstream while Threepoint Lake is downstream of the Notigi control dam. Concerns by native Indian bands affected by the hydro-electric development led to the initiation of ecological assessment. This report gives a baseline analysis and summary of data collected from Rat and Threepoint lakes in 1989, the 5th year of data collection.  
FI MS PR SC

### Summary of fish population data from Sipiwek and Cross lakes, 1988

by D.J. Green. Winnipeg : Manitoba Natural Resources, Fisheries, 1989. x, 91 p. : ill., maps. Bibliogr. (Manuscript report ; no. 89-11)  
MICROLOG 90-00400 2 fiche

Experimental netting was continued on Sipiwek and Cross Lakes in 1988 under the Northern Flood Agreement to investigate and document the possible impact of hydro development on fish populations within the Churchill River Diversion and Nelson River systems. This report summarizes fish population data collected from these lakes during the open water season.  
FI MS PR SC

### Summary of fish population data from Sipiwek and Cross Lakes, 1989

by D.J. Green. Winnipeg : Manitoba Natural Resources, Fisheries, 1990. viii, 72 p. : ill., maps. Bibliogr. (Manuscript report ; no. 90-06)  
MICROLOG 90-05069 1 fiche

Cross and Sipiwek Lakes are located on the Upper Nelson River system. Cross Lake is immediately downstream of Manitoba Hydro's Jenpeg Generating Station while Sipiwek Lake is just downstream of Cross Lake. In 1983 an ecological monitoring program was initiated to investigate and document the possible impact of hydro development of fish populations within the Churchill River diversion and Nelson River system. Cross and Sipiwek lakes were 2 of the 6 lakes chosen for annual sampling. This



report presents fish population data (fork length, weight, sex, state of maturity, aging structures) collected from Cross and Sipiwesk lakes in 1989.  
FI MS PR SC

#### Summary of GNWT-MDA mapping projects 1988-89, no. 1

Canada-Northwest Territories Mineral Development Agreement. Ottawa : The Agreement, 1989. i, 40 p. : maps. Bibliogr. MICROLOG 90-01446 1 fiche

The Canada-NWT Mineral Development Agreement (MDA) is one of the 6 sub-agreements of the Canada-NWT Economic Development Agreement, a 4-year program ending in 1991 and cost shared between the federal and territorial governments on a 70:30 ratio. Programs under the MDA include the Geoscience Program, the Northern Technological Assistance Program, and the Northern Mining Information Program. This report gives summaries of the MDA mapping projects for Pistol Bay/Whale Cove, Upper Beaulieu River, Lower Hood/James River, Hope Bay and Indin Lake.  
CA NO NR PS SC

#### Summary of legislation

Victoria : Ministry of Municipal Affairs, Recreation and Culture, 1989. 17 p. ISBN 0-7726-1007-X  
MICROLOG 90-05029 1 fiche

This summary covers Acts administered by Municipal Affairs, Recreation and Culture (MARC), legislation sponsored by the Ministries which contains consequential amendments to Acts which are the responsibility of MARC; miscellaneous legislation pertaining to local government; and the status of ministry sponsored legislation. It also includes an index to ministry sponsored legislation.  
BC JU PR

#### Summary of marine tagging studies of Atlantic salmon *Salmo salar* L. in the Northwest Atlantic area

by D.G. Reddin and W.H. Lear. St. John's : Dept. of Fisheries and Oceans, Newfoundland Region, Science Branch, 1990. iv, 115 p. : maps. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1737) ISSN 0706-6457  
MICROLOG 90-05955 2 fiche

Between 1940 and 1977, numerous tagging studies on adult Atlantic salmon were carried out to learn more about the migration patterns and origins of stocks in the coastal waters of Newfoundland and Labrador and in the Labrador Sea. This paper provides a summary for each tagging site of the number of salmon tagged and recaptured. A brief description is given of the composition of stocks exploited by the Newfoundland and Labrador commercial fishery, the utilization of these stocks, and general migration patterns.  
• AP CA CF FI LS SC

#### Summary of net plankton data and Secchi transparency data for the Nelson River and Rat-Burntwood lakes, 1987-89

by L. Janusz. Winnipeg : Manitoba Natural Resources, Fisheries, 1990. v, 64 p. : maps. Bibliogr. (Manuscript report ; no. 90-09)  
MICROLOG 90-06997 1 fiche

The Northern Flood Agreement was initiated to assess the impact of the Churchill River diversion on the fish ecology of the northern lakes. The 1987-89 data were compiled in conjunction with an ecological monitoring program under the auspices of Claim no. 18 of this Agreement, one aspect of which included the collection of phytoplankton samples from Rat, Threepoint, Cross, Sipiwesk, Split and Stephens lakes. This report identified the

locations where the net plankton samples were taken, summarized the settled volume measurements, and provided histograms of mean annual settled plankton volumes for each of the study lakes. The report provides only baseline information on the net plankton data of these lakes and is not concerned with the interpretation of results.  
EV FI MS PR SC

#### Summary of North Atlantic fish recruitment, 1942-87

by R.A. Myers, W. Blanchard and K.R. Thompson. St. John's : Dept. of Fisheries and Oceans, Science Branch, 1990. iii, 108 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1743) ISSN 0706-6457  
MICROLOG 90-05928 2 fiche

As part of an ongoing study of recruitment variability in the North Atlantic, 100 time series of annual recruitment were compiled. This report lists the available data and provides plots of the log-transformed values. Additional displays are provided for assessing the degree of autocorrelation within each series and the assumption of normality often assumed in the statistical analysis of log-transformed recruitment.

• AP CA CF FI SC

#### Summary of phytoplankton data for the Nelson River and Rat-Burntwood Lakes, 1989

by L. Janusz. Winnipeg : Manitoba Natural Resources, Fisheries, 1990. iv, 79 p. : maps. Bibliogr. (Manuscript report ; no. 90-12)  
MICROLOG 90-07020 1 fiche

The 1989 data were compiled in conjunction with an ecological monitoring program under the auspices of Claim no. 18 of the Northern Flood Agreement, initiated to assess the impact of the Churchill River diversion on the fish ecology of the northern lakes. One aspect of the ecological monitoring included the collection of phytoplankton samples from Rat, Threepoint, Cross, Sipiwesk, Split and Stephens lakes. This report presents the summarized phytoplankton data collected from these lakes from May-September 1989.  
EV FI MS PR SC

#### Summary of public consultation to background information and optional management strategies : Napanee District fisheries management plan

Toronto : Ministry of Natural Resources, 1988. ii, 34 p.  
MICROLOG 90-02074 1 fiche

Summary of public input and review in establishing the long-term management of the Napanee District fisheries management plan. The evaluation of public input was conducted via questions and comments received during the 2 public meetings, through questionnaires, and through additional correspondence and comments above and beyond the issues raised in the questionnaire.  
FI ON PR SC

#### Summary of public response to the proposed forest licence conversion policy

by B. Fraser. Victoria : Ministry of Forests, 1989. 146 p.  
MICROLOG 90-00752 2 fiche

This document presents responses related to the rationale advanced in favour of the policy of conversion of volume-based tenures to tree farm licences (TFL); responses related to the general rationale for TFL as a form of tenure; specific reactions to the provisions of the proposed conversion policy; concerns about the role of multinationals and the impact of corporate concentration resulting from the TFL conversion policy; concerns about the inclusion

of land areas with unresolved Native land claims into new TFL's created by implementation of the policy; constructive strategies for community involvement in the management of long term area-based tenures; and a call for a formal public review of forestry.  
BC BS FO PR SC

#### Summary of technical review of expression of interest

SENES Consultants Limited. Toronto : Metropolitan Toronto Solid Waste Interim Steering Committee, 1990. 36 p.  
MICROLOG 90-07232 1 fiche

Report summarizing the technical review of the 86 expressions of interest (EOI) received through the first stage of the public tendering process for the development of a comprehensive long-term waste management system for the Greater Toronto Area. The report summarizes the procedure used in the evaluation of the EOIs, describes the system and component analysis, presents the evaluation findings, and describes the next steps in the process.  
EV MU ON PW SC

#### A Summary of the 1986 census for Ottawa-Carleton, vol 2 : 20% data

Ottawa : Regional Municipality of Ottawa-Carleton, Planning Dept., Policy & Program Division, 1989. 71 p. : ill.  
MICROLOG 90-00430 1 fiche

Provides a summary of the 20 percent of households census data describing Ottawa-Carleton and area municipalities and examines how Ottawa-Carleton compares with other large urban centres in Canada. It also explores trends in selected data over time in Ottawa-Carleton and identifies variations in circumstances between areas within the region.  
MU ON SA

#### Summary of the 1988-89 survey of educational technology in Manitoba

Winnipeg : Manitoba Education and Training, 1989. 10 p. : ill. CSI 41116.202.  
MICROLOG 90-00503 1 fiche

The Educational Technology Program assists educators in the implementation of technology in classrooms and schools throughout the province and focuses on providing technology transfer from the kindergarten to post-secondary schools. This survey determined the installed base of education technology hardware; determined the student enrollments in all K-12 educational computing courses; identified the directions schools are taking in the application of instructional and administrative technology; and determined the existing numbers and types of audio-visual equipment that might be available for the delivery of distance education programs. Of the 878 public and private schools surveyed, 678 responded with usable data. Highlights are also given.  
ED MS PR PS SC ST

#### Summary of the 1989-93 corporate plan for Canada Mortgage and Housing Corporation

Canada Mortgage and Housing Corporation. Ottawa : The Corporation, 1989. ix, 54 p. : ill. Bilingual (Résumé du plan d'entreprise...). CSI 22118.005.  
MICROLOG 90-04126 1 fiche

The plan reflects the current directions and priorities identified by government, along with the Corporate initiatives and processes which support them. It includes the following annual budgets: the operating budget, the Capital Budget for Loans and Investments, and the Capital Budget for Furniture, Equipment and Business Premises.  
CA PL SA



### Summary of the Agreement on Social Security between Canada and Greece

Ottawa : Health and Welfare Canada, Income Security Programs Branch, 1988. 13 p.  
*French ed. (Résumé de l'Accord...Grèce) on the same fiche*  
 MICROLOG 90-04894 1 fiche

This summary describes in general terms how the Agreement may help individuals qualify for Canadian or Greek benefits. It is intended for persons residing in Canada.  
 CA CO EX

### Summary of the Agreement on Social Security between Canada and Italy

Ottawa : Health and Welfare Canada, Income Security Programs Branch, 1988. 12 p.  
*French ed. (Résumé de l'Accord...l'Italie) on the same fiche*  
 MICROLOG 90-03250 1 fiche

This summary describes in general terms how the Agreement may help individuals qualify for Canadian or Italian benefits. It is intended for persons residing in Canada.  
 CA EX

### Summary of the Agreement on social security between Canada and Jamaica

Ottawa : Health and Welfare Canada, Income Security Programs, 1989. 11, 12 p. *Bilingue (Résumé de l'accord...la Jamaïque)*.  
 MICROLOG 90-01690 1 fiche

This summary describes in general terms how the Agreement may help individuals qualify for Canadian or Jamaican benefits. It is intended for persons residing in Canada.  
 CA EX

### Summary of the Agreement on social security between Canada and the United States

Ottawa : Health and Welfare Canada, Income Security Programs, 1988. 12, 13 p. *Bilingual (Résumé de l'accord...Etats-Unis)*.  
 MICROLOG 90-01689 1 fiche

This summary describes in general terms how the Agreement may help individuals qualify for Canadian or United States benefits. It is intended for persons residing in Canada.  
 CA EX

### A Summary of the impacts of a change in the method of payment

prepared for the Manitoba Agri-Food Advisory Council ; by Deloitte & Touche. Winnipeg : The Company, 1990. 24 p.  
 MICROLOG 90-06250 1 fiche

The purpose of the study is to research and provide information on the impacts of a change in the method of payment to a pay-the-producer approach, and analyze the impacts of a change in the pooling systems used by the Canadian Wheat Board. The focus is to provide information regarding the impacts, both direct and indirect, and to provide a rationale for the indirect impact on other sectors so that a thorough understanding of all the impacts could be identified.  
 AG MS PR

### Summary of the New Brunswick heart health survey report

by B.C. Balram. Fredericton : Dept. of Health and Community Services ; Ottawa : Health and Welfare Canada, 1989. 8, 8 p. *Bilingual (Sommaire du rapport de l'étude...)*.  
 MICROLOG 90-03194 1 fiche

About 2,00 New Brunswickers, ages 18 to 74 participated in a survey which determined how many New Brunswickers are at risk of developing heart attacks and strokes, and how

much people know about those factors which can lead to heart disease and strokes, such as elevated blood pressure, elevated blood cholesterol and smoking.  
 AP BS HE PR SC

### A Summary of transonic natural laminar flow airfoil development at NAE

by M. Khalid and D.J. Jones. Ottawa : National Aeronautical Establishment, 1990. xiv, 120 p. : ill. Bibliogr. (Aeronautical note ; NAE-AN-65)  
 MICROLOG 90-05826 2 fiche

This report contains an analysis of the experimental results obtained from 4 supercritical natural laminar flow (NLF) airfoils investigated in the NAE high Reynolds number test facility. The airfoils have maximum thickness to chord ratios of 0.10, 0.13, 0.16 and 0.21 and were designed for a lift coefficient of C-L=0.6. Their design Mach numbers were 0.8, 0.76, 0.72 and 0.68 respectively and the design chord Reynolds number was 12.5 million.  
 CA PS SC TR

### Summary report concerning new boundaries to the electoral divisions

Quebec : Commission de la représentation électorale du Québec, 1989. 26 p. : map.  
*French ed. (Rapport sommaire sur la délimitation...) on the same fiche. Fold. map not filmed.* ISBN 2-550-20373-9  
 MICROLOG 90-04800 1 fiche

This report addresses the legal criteria to be used to establish the new boundaries before examining the demographical context and the geographical distribution of electors. It indicates whether new boundaries for the electoral divisions are necessary to insure compliance with the criteria set out in the Election Act.  
 PA PR QU

### Summary report no. 4 : silica

by R.K. Collings and P.R.A. Andrews. Ottawa : Energy, Mines and Resources Canada, Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1989. iv, 127 p. Bibliogr. (CANMET report ; no. 89-1E) ISSN 0707-5196 ISBN 0-660-55788-6  
 MICROLOG 90-05996 2 fiche

Silica of commercial interest occurs throughout the whole of Canada as vein and intrusive masses and as sand, sandstone and quartzite deposits, and silica mining operations are conducted in all provinces except P.E.I. Although Canada is self-sufficient in most of its requirements for silica, significant tonnages of high-quality sand for glass and foundry applications continue to be imported, chiefly by Ontario. Studies and research by CANMET have been mainly directed toward beneficiation of submitted samples by a wide variety of mineral processing techniques, and the evaluation of the resulting products for suitability as glass and foundry sand. This report summarizes 115 studies of silica samples undertaken from 1923-86. Reference is also made to R&D by other organizations, including provincial governments and private sector research laboratories.  
 • CA CM NR PS SC

### Summer creel census at Long Point, Lake Erie, 1987

by L. Sztramko. Port Dover, Ont. : Ministry of Natural Resources, Lake Erie Fisheries Assessment Unit, 1988. iii, 28 p. : maps. Bibliogr. (Report ; 1988-3) ISBN 0-7729-4053-3  
 MICROLOG 90-01409 1 fiche

A roving on-water creel survey was conducted in the Canadian waters adjacent to the tip of Long Point, Lake Erie from July 1 to August 8, 1987 to quantify the angling catch and harvest,

estimate the angling effort and success, determine the age and length composition of the harvest, and describe angler characteristics including origin, use of commercial lodging and professional fishing guides, and type of fishing. The survey crew conducted 269 interviews involving 710 angler contacts.  
 FI ON PR SC

### The Summer mortality syndrome and haemocytic neoplasia in blue mussels from British Columbia

by S.M. Bower. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. v, 65 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1703) ISSN 0706-6457  
 MICROLOG 90-01930 1 fiche

To identify the cause of the high summer mortalities in blue mussels over 4 cm in shell length, 2,000 mussels from 6 locations in B.C. were examined for haemocytic neoplasia, as well as other infectious diseases. The study consisted of 7 separate investigations - 3 field and 4 laboratory studies. The field studies monitored mortality and haemocytic neoplasia in mussels from Departure Bay that usually experience over 90% mortality each summer; examined the prevalence of haemocytic neoplasia in mussels from 3 locations that had undergone reciprocal transplants 6 months prior to examination, and periodically examined the prevalence of haemocytic neoplasia in mussels held in pearl nets at 5 localities over 10 months. The laboratory studies examined the effect of different temperatures and salinities on survival and prevalence of haemocytic neoplasia in mussels during the winter; the effect of temperature on survival and haemocytic neoplasia in small and large mussels during the summer; the infectivity of haemocytic neoplasia using syringe passage; and the DNA content of haemocytes from mussels with haemocytic neoplasia.  
 • BC CA CF FI LS SC

### Summer Village of Waiparous urban fringe : discussion paper

Calgary Regional Planning Commission. Urban Planning Division. Calgary, Alta. : The Division, 1987. 21 p.  
 MICROLOG 90-03761 1 fiche

The purpose of this paper is to outline the principles of the Urban Fringe as set out in the Calgary Regional Plan, 1984, and to present the planning rationale for the creation of an Urban Fringe Part for the Summer Village of Waiparous.  
 AL MU PL

### Summer visitation and outdoor recreation : statistical report, 1989

Regina : Saskatchewan Parks and Renewable Resources, Corporate Planning and Evaluation Branch, 1989. xiv, 137 p. CSI 72219.003.  
 MICROLOG 90-03481 2 fiche

This report is a statistical summary of the recorded use of Saskatchewan Park lands for the 1989 summer operating season including the period May 19 to September 4 inclusive. The data detail user statistic information in four main areas park system use; camping; programs; and miscellaneous data.  
 CU MS PR ST

### The Summerside project : an AFBC boiler for high-sulphur coal and wood chips

by F.D. Friedrich. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1980. iv, 30 p. : ill. Bibliogr. (Report ; ERP/ERL 80-75(TR))  
 MICROLOG 90-04508 1 fiche

Fluidized-bed combustion (FBC) is generally viewed as the most promising technology by



which low-grade coal can be utilized with minimum environmental impact. Atlantic Canada has ample resources of high-ash, high-sulphur coal and represents an area where FBC technology could be advantageously applied. An FBC boiler demonstration was sponsored at Canadian Forces Base Summerside, Prince Edward Island. By means of a series of contracts, 2 competing teams of designers were engaged to prepare conceptual designs of a heating plant containing two 18,000 kg/h steam boilers. This report describes the design requirements, including fuel and limestone specifications, laid down for the project. A novel feature is that the boilers must accommodate wood chips as a supplementary fuel. Results are presented of pilot-scale test work carried out by one of the contractors using the design fuels and limestone. Finally, the salient features of the 2 conceptual boiler designs are reviewed.

● AP CA CM PS SC

#### **Sump studies V : ecological changes adjacent to sumps at exploratory wellsites in the Mackenzie Delta and Northern Yukon : a summary report**

by D.W. Smith and T.D.W. James. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1985. xiv, 53 p. : ill. Bibliogr. (Environmental studies ; no. 35) ISBN 0-662-14389-2 MICROLOG 90-04624 1 fiche

In northern Canada, drilling wastes are usually contained in below-ground sumps, infilled upon completion of drilling, and domed-over to compensate for subsidence. This report presents key results of surveys completed from 1977-81. The exploratory wellsites in the Mackenzie Delta were Ogrukang M-31, Siku E-21 and Parsons D-20 and the sites in the Yukon were Caribou N-25, N. Parkin D-61 and Peel H-71. Sites were surveyed to document changes in soil and vegetation on disposal of drilling wastes in sumps, identify causal agents of phytotoxicity in wastes and determine their fate after release of drilling fluids, and correlate vegetation changes to physical disturbance of terrain, abiotic and topographic variables of the site, and particularly to the possible toxicological characteristics of the drilling fluids. Information on site conditions, soils and vegetation prior to drilling was unavailable to all sites except Siku E-21, where baseline information was obtained before controlled spillage of drilling fluids as part of a test to determine whether surface disposal is an environmentally acceptable option.

● CA EN EV NO SC

#### **Sunday closing laws in Canada : some provincial comparisons -- Rev.**

by C. Evans. Toronto : Ontario Legislative Library, 1988. 15 p. (Current issue paper ; no. 55) ISSN 0835-0299 MICROLOG 90-03985 1 fiche

This paper is organized in two parts. The first part lists the provincial statutes that govern Sunday and holiday closing and provides a brief overview of some of the major features of each Act. The second part looks at the same features but presents them in greater detail and in the form of a table to allow easier comparison.

● CA CI JU ON PR

#### **Superficie de la culture maraîchère, 1989**

Québec : Bureau de la statistique du Québec, Statistiques agricoles, 1990. 4 p. CSI 67131.039 MICROLOG 90-05395 1 fiche

Ce document présente l'estimation de la superficie de la culture maraîchère au Québec en 1989 de même que les chiffres correspondants pour 1988. L'estimation de la superficie de la culture des légumes destinés

au marché repose sur les données recueillies par le biais d'une enquête menée auprès des maraîchers faisant partie de l'échantillon.

AG PR QU ST

#### **Superficie des principales grandes cultures, 1989**

Québec : Bureau de la statistique du Québec, 1989. 5 p. CSI 67131.034 MICROLOG 90-00348 1 fiche

Ce document présente une estimation qui repose sur la compilation de données provenant d'une enquête effectuée auprès d'un certain nombre d'agriculteurs québécois. A partir des données recueillies auprès des agriculteurs faisant partie de l'échantillon, on établit le taux de variation entre les données de 1988 et celles de l'année en cours. Ce taux est ensuite appliqué aux estimations de superficie de 1988 pour chacune des cultures visées par l'enquête.

AG PR QU SC ST

#### **Supplément statistique au rapport annuel 1988**

Ontario. Commission des accidents du travail. Toronto : la Commission, 1989. 19 p. CSI 56177.002F MICROLOG 90-01653 1 fiche

Ce document est un supplément statistique au rapport annuel de la Commission des accidents du travail pour l'année 1988. Le document porte sur les points suivants: la classification générale et détaillée des demandes d'indemnités; la classification des services de réadaptation professionnelle; et, les statistiques sur les cotisations des employeurs.

LA ON PA PR ST

#### **Supplement to 'A Study of the unmet needs of off-reserve Indian and Metis elderly in Saskatchewan' : conclusions and recommendations**

Regina : Saskatchewan Senior Citizens' Provincial Council, 1989. 31 p. MICROLOG 90-03974 1 fiche

In June, 1988, the Saskatchewan Senior Citizens' Provincial Council published a report titled 'A Study of the Unmet Needs of Off-Reserve Indian and Metis Elderly in Saskatchewan' which summarized the findings of a survey of 476 Indian and Metis individuals aged 50 and older. The Council realizes that their survey represents but a first step in an ongoing process of developing appropriate programs and services to meet the needs of native elderly people. As a result, Council decided to circulate the study findings to individuals and organizations involved with aboriginal people before finalizing the study conclusions and recommendations. These groups were asked to comment on the findings and suggest recommended changes. This document contains these comments and suggestions.

MS NP PR SA

#### **Supplement to the estimates, fiscal year ending March 31, 1991**

British Columbia. Ministry of Finance and Corporate Relations. Victoria : The Ministry, 1990. 129 p. CSI 37106.007. ISSN 0712-4597 MICROLOG 90-04577 2 fiche

This publication provides supplementary detail on proposed voted expenditure for all special offices, ministries and other appropriations of the Government of British Columbia. In the Estimates, voted expenditure is classified for each vote and sub-vote by group accounts. These group accounts represent broad functional categories of expenditure (Salaries and Benefits, Operating Costs, Asset Acquisitions, Grants and Contributions, Other Expenditures and Recoveries). Each group account is comprised of several specific

components of expenditure referred to as standard objects of expenditure. This publication provides detail on voted and special account expenditure at the standard object of expenditure level.

BC CO PA PR

#### **Supplement to the public accounts of the Province of Nova Scotia for the fiscal year ended March 31, 1989**

Nova Scotia. Dept. of Finance. Halifax : The Dept., 1989. 243 p. CSI 51105.006 MICROLOG 90-04900 3 fiche

The supplement contains data on expenditures by department for salaries, grants and other expenses.

AP CO PA PR

#### **Supplementary capital estimates, 1990-91**

New Brunswick. Dept. of Finance. Fredericton : The Dept., 1990. 3, 3 p. Bilingual (Budget des dépenses en capital...). CSI 45105.009. MICROLOG 90-04129 1 fiche

Contains estimates of expenditure for the Department of the Environment, and the Department of Transportation.

AP CO PA PR

#### **Supplementary estimates for the fiscal year ending March 31, 1990**

Saskatchewan. Saskatchewan Finance. Regina : The Ministry, 1989. 19 p. CSI 71119.005. MICROLOG 90-04178 1 fiche

Presents information for Consolidated Fund, ordinary expenditures of each provincial ministry, and the Saskatchewan Heritage Fund, with appropriations identified as budgetary expenditure, loans, advances and investments. This year's expenditures represent special warrants that were issued in absence of the Appropriation Act.

CO MS PA PR

#### **Supplementary estimates information : 1989-90 departmental revenue estimates**

Manitoba. Manitoba Finance. Winnipeg : The Ministry, 1989. 29 p. CSI 41111.010. MICROLOG 90-02935 1 fiche

The contents of this supplement are organized by Department and detail the various sources of Departmental Revenues, their respective rates or charges, and the amount of revenue estimated to be generated during 1989/90. The information is directly comparable to the Departmental Revenue listing found in the 1989/90 Printed Revenue Estimates under the heading 'Current Operating Programs -- Other Revenue.'

CO MS PA PR

#### **Supplementary estimates of expenditure of the province of Manitoba, 1989-90**

Manitoba. Manitoba Finance. Winnipeg : The Ministry, 1989. 8 p. Bilingual (Budget des dépenses...Manitoba...). CSI 41111.014. MICROLOG 90-02918 1 fiche

Provides estimates of expenditure for agriculture; cooperative, consumer, and corporate affairs; natural resources; flood control and emergency expenditures; and the environmental innovations fund.

CO MS PA PR

#### **Supplementary estimates of expenditures of the Province of Prince Edward Island in support of the Supplementary Appropriation Act, 1988**

Charlottetown : Dept. of Finance, 1988. 54 p. CSI 61104.010. MICROLOG 90-04293 1 fiche

This document contains supporting detail for



Schedules "A" and "B" to the Supplementary Appropriation Bill, 1988. Schedule "A" to the Bill lists the total of the Special Warrants approved by Order-in-Council under the authority of the Financial Administration Act for each appropriation vote for the fiscal year 1986-87 subsequent to the closing of the 1987 session of the Legislative Assembly in May, 1987. Schedule "B" to the Bill lists the total of the Special Warrants approved by Order-in-Council under the authority of the Financial Administration Act for each appropriation vote for the fiscal year 1987-88 subsequent to the closing of the 1987 session and prior to the opening of the 1988 session of the Legislative Assembly.  
AP CO JU PA PR

**Supplementary estimates of expenditures of the Province of Prince Edward Island in support of the Supplementary Appropriation Act, 1989**

Charlottetown : Dept. of Finance, 1989. 46 p.  
CSI 61104.010.  
MICROLOG 90-06563 1 fiche

This document contains supporting detail for Schedules 'A' and 'B' to the Supplementary Appropriation Bill, 1989. Both schedules list the total of the Special Warrants approved by Order-in-Council under the authority of the Financial Administration Act. Schedule 'A' lists warrants for the fiscal year 1987-88 and schedule 'B' lists them for the fiscal year 1988-89.  
AP PA PR

**Supplementary estimates (A), 1990-91 for the fiscal year ending March 31, 1991**

Canada. Dept. of Finance. Ottawa : The Dept., 1990. 4, 4 p. *Bilingual (Budget des dépenses...(A)...)...*  
CSI 21104.009. ISBN 0-660-55785-1  
MICROLOG 90-05814 1 fiche

This document provides supplementary estimates for the Dept. of Agriculture's Agri-Food Program, Employment and Immigration Canada's Employment and Insurance Program and its Immigration Program, and the Indian Affairs and Northern Development, Indian and Inuit Affairs Program. It gives details of objects of expenditure, person-years, and transfer payments.  
CA CO PA

**Supplementary estimates (B), 1989-90 for the fiscal year ending March 31, 1990**

Canada. Dept. of Finance. Ottawa : The Dept., 1990. ii, 89, ii, 90 p. *Bilingual (Budget des dépenses...(B)...)...* CSI 21104.011. ISBN 0-660-55545-X  
MICROLOG 90-03159 2 fiche

This document provides summary tables, and supplementary estimates for all departments and agencies.  
CA CO

**Supplementary estimates (C), 1989-90 for the fiscal year ending March 31, 1990**

Canada. Dept. of Finance. Ottawa : The Dept., 1990. ii, 124, ii, 126 p. *Bilingual (Budget des dépenses supplémentaires (C)...)...* CSI 21104.005. ISBN 0-660-55689-8  
MICROLOG 90-03670 3 fiche

Includes summary financial information, and supplementary estimates for all departments and agencies.  
CA CO PA

**Supplementary expenditure estimates, 1989-90**

Toronto : Management Board of Cabinet, 1990. 8, 8 p. *Bilingual (Budget des dépenses...)...*

CSI 55100.002  
MICROLOG 90-04377 1 fiche

This document supplies a general summary of expenditures with specific summaries for the Office of the Assembly, the Office of the Ombudsman, and the Office of the Provincial Auditor.  
CO ON PA PR

**Supplementary information for legislative review : 1989-90 estimates**

Manitoba. Health Services Commission. Winnipeg : The Commission, 1989. 28 p. : ill. CSI 42119.010.  
MICROLOG 90-00834 1 fiche

Provides an overview of the 1989-90 budget requirements, and a financial analysis including details of staffing requirements and expenditures. It also contains a five year expenditure summary.  
CO MS PA PR

Manitoba. Dept. of Cooperative, Consumer and Corporate Affairs. Winnipeg : The Dept., 1989. 43 p. : ill. CSI 41103.002.  
MICROLOG 90-01299 1 fiche

This document presents an overview of the Department's 1989/90 budget requirements. It also provides financial analyses, including details of staffing requirements and expenditures, cross-referenced to the appropriations of the printed Main Estimates. It concludes with historical budget comparisons.  
CO MS PA PR

Manitoba. Manitoba Rural Development. Winnipeg : The Ministry, 1989. iv, 75 p. : ill. CSI 42219.002  
MICROLOG 90-01289 1 fiche

The purpose of this document is to provide background information about department activities and functions and link this information to financial requirements. It includes an overview of the Department's 1989/90 budget requirements. It also displays financial details accompanied by explanations which tie program activity to staffing needs and operating expenditures. It concludes with comparative historical information.  
CO MS PA PR

Alcoholism Foundation of Manitoba. Winnipeg The Foundation, 1989. 42 p. CSI 42100.002.  
MICROLOG 90-01290 1 fiche

This document presents an overview of the Foundation's 1989/90 budget requirements. It also provides financial analyses, including details of staffing requirements and expenditures, cross-referenced to the appropriations of the printed Main Estimates. It concludes with a 5-year historical budget.  
CO MS PA PR

Manitoba. Manitoba Government Services. Winnipeg : The Ministry, 1990. 89 p. : ill. CSI 41112.002  
MICROLOG 90-03912 2 fiche

The contents of this supplement are organized into three parts. The first part provides an overview of Manitoba Government Services' 1989/90 budget requirements. The second part provides financial analysis including details of staffing requirements and of expenditures. The information in part two is organized on the basis of existing main appropriations so that it will provide an easy cross reference to the printed main estimates. Part three provides a five year historical budget comparison.  
CO MS PA PR

Manitoba. Manitoba Finance. Winnipeg : The Ministry, 1990. 91 p. : ill. CSI 41111.009.  
MICROLOG 90-03913 1 fiche

The contents of this supplement are organized into three parts. The first part provides an overview of the Department of Finance's 1989/90 budget requirements. The second part provides financial analysis including details of staffing requirements and of expenditures. The information in part two is organized on the

basis of existing main appropriations so that it will provide an easy cross reference to the printed main estimates. Part three provides a five year historical budget comparison.  
CO MS PA PR

**Supplementary information for legislative review : 1989-90 expenditure estimates**

Manitoba. Manitoba Health. Winnipeg : The Ministry, 1989. 95 p. : ill. CSI 42119.009.  
MICROLOG 90-00833 2 fiche

Provides an overview of the 1989-90 budget requirements, and a financial analysis including details of staffing requirements and expenditures. It also contains a five year historical budget comparison.  
CO MS PA PR

Manitoba. Seniors Directorate. Winnipeg : The Directorate, 1989. 8 p. CSI 42218.002.  
MICROLOG 90-01297 1 fiche

Presents an overview of the Directorate's 1989/90 budget requirements. It also provides financial analyses, including details of staffing requirements and expenditures, cross-referenced to the appropriations of the printed Main Estimates.  
CO MS PA PR

Manitoba. Manitoba Urban Affairs. Winnipeg : the Ministry, 1989. v, 52 p. : ill. CSI 41121.001. ISSN 0837-4686  
MICROLOG 90-01292 1 fiche

This document presents an overview of the Department's 1989/90 budget requirements. It also provides financial analyses, including details of staffing requirements and expenditures, cross-referenced to the appropriations of the printed Main Estimates. It concludes with a 5-year expenditure and staffing summary.  
CO MS PA PR

Manitoba. Manitoba Culture, Heritage and Recreation. Winnipeg : The Ministry, 1989. vi, 71 p. : ill. CSI 41106.003.  
MICROLOG 90-01294 1 fiche

This document presents an overview of the Department's 1989/90 budget requirements. It also provides financial analyses, including details of staffing requirements and expenditures, and information of the Department's programming funded from lotteries revenues. It concludes with a 5-year historical budget comparison.  
CO MS PA PR

Manitoba. Manitoba Environment and Workplace Safety and Health. Winnipeg : The Ministry, 1989. 55 p. CSI 41110.002.  
MICROLOG 90-01302 1 fiche

Background information on the Department to complement the information already contained in the printed main estimates. The supplement covers an overview of the Department's 1989-90 budget requirements; a financial analysis including details of staffing requirements and expenditures organized on the basis of existing main appropriations; and a 5-year historical budget comparison (the Department has existed as a separate entity since April 21, 1989). Statutory responsibilities and an organization chart are also included.  
CO MS PA PR

Manitoba. Manitoba Family Services. Winnipeg The Ministry, 1989. 101 p. : ill. CSI 42142.002.  
MICROLOG 90-02928 2 fiche

The supplement is organized into three parts. The first part provides an overview of the Department's financial requirements. The second part provides a detailed analysis of programs including details of staffing requirements and of expenditures. The information in part two is organized on the basis of existing main and sub-appropriations so that it will provide an easy cross reference to the printed main estimates. Part three provides five year historical summary of the department's human and financial resources.  
CO MS PA PR SA



Manitoba. Advisory Council on the Status of Women. Winnipeg : The Council, 1989. 5 p. CSI 42202.002  
MICROLOG 90-02929 1 fiche

This estimates supplement provides additional background information complementing the information contained in the main estimates.  
CO MS PA PR SA

Manitoba. Manitoba Northern Affairs. Winnipeg : The Ministry, 1989. 59 p. : ill. CSI 41120.003.  
MICROLOG 90-02927 1 fiche

The contents of this supplement are organized into three parts. The first part provides an overview of the Department's budget requirements. The second part provides financial analysis including details of staffing requirements and of expenditures. The information in part two is organized on the basis of existing main appropriations so that it will provide an easy cross reference to the printed main estimates. Part three provides five year historical budget comparisons.  
CO MS PA PR

Manitoba. Manitoba Energy and Mines. Winnipeg : The Ministry, 1989. iii, 54 p. : ill. CSI 41109.005  
MICROLOG 90-02934 1 fiche

The supplement is organized into three parts. The first part provides an overview of the Department's budget requirements. The second part provides a detailed analysis of programs organized on the basis of existing main appropriations so that it will provide an easy cross reference to the printed main estimates. Part three provides a staffing and expenditure summary for the previous four years, and compares these with the 1989/90 estimates.  
CO EN MS NR PA PR

Manitoba. Manitoba Housing. Winnipeg : The Ministry, 1989. 57 p. : ill. CSI 42155.002.  
MICROLOG 90-02936 1 fiche

The contents of this supplement are organized into three parts. The first part provides an overview of the Department's budget requirements. The second part provides financial analysis including details of staffing requirements and of expenditures. The information in part two is organized on the basis of existing main appropriations so that it will provide an easy cross reference to the printed main estimates. Part three provides five year historical budget comparisons.  
CO MS PA PR SA

Manitoba. Manitoba Labour. Winnipeg : The Ministry, 1989. 68 p. : ill. CSI 41117.002.  
MICROLOG 90-02926 1 fiche

The contents of this supplement are organized into four parts. The first part is a glossary. The second part provides an overview of the Department of Labour's 1989/90 budget requirements. The third part provides financial analysis including details of staffing requirements and of expenditures. The information in part three is organized on the basis of existing main appropriations so that it will provide an easy cross reference to the printed main estimates. Part four provides five year historical budget comparisons.  
CO LA MS PA PR

Manitoba. Manitoba Education and Training. Winnipeg : The Ministry, 1989. 133 p. CSI 41107.004.  
MICROLOG 90-02916 2 fiche

The contents of this supplement are organized into three parts. The first part contains an overview of the Department of Education and Training's 1989/90 budget requirements. The second part provides financial analysis, including details of staffing requirements and of expenditures. The information in part two is organized on the basis of existing main appropriations for easy cross-reference to the printed main estimates. Part three includes a

five year historical budget comparison.  
CO ED MS PA PR

Manitoba. Civil Service Commission. Winnipeg : The Commission, 1989. 61 p. : ill. CSI 42143.002.  
MICROLOG 90-02930 1 fiche

The contents of this supplement are organized into three parts. The first part provides a departmental overview including organization, statutory responsibilities, expenditures and staff year summaries for the 1989/90 fiscal year. The information in part 2 provides detailed financial information for each of the divisions and branches along with an explanation of the various benefit plans. Finally, part 3 provides historical information consisting of a five year expenditure and staff summary by appropriation for the years ending March 31, 1986 to March 31, 1990.  
CO LA MS PA PR

Manitoba. Manitoba Justice. Winnipeg : The Ministry, 1990. 115 p. : ill. CSI 41127.002.  
MICROLOG 90-04952 2 fiche

Departmental supplement to the printed main estimates. The document provides background information on the Department, including an overview of the 1989/90 budget requirements; a financial analysis including details of staffing requirements and expenditures; and a 5-year historical budget comparison. Expenditures are organized by criminal justice, legal services, law enforcement, court services, protection of individual and property rights, and corrections.  
CO MS PA PR

#### Supplementary information to the public accounts, 1988-89 : details of expenditure by payee

Edmonton : Alberta Treasury, 1989. 394 p. CSI 34118.010.  
MICROLOG 90-03747 5 fiche

Presents information on General Revenue Fund transactions focusing on expenditure from appropriated funds and revolving funds by payee.  
AL CO PA PR

#### La Surdit  professionnelle : maladie ou probl me reli  au lieu de travail? La voie du progr s : un atelier

La Surdit  professionnelle : maladie ou probl me reli  au lieu de travail? La voie du progr s (1988 : Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygi ne et de s curit  au travail, 1988. 53 p. : ill. Bibliogr. L' d. anglaise (*Occupational deafness...*) : 90-01083/1. ISBN 0-662-92563-X  
MICROLOG 90-01133 1 fiche

Il y a maintenant plus d'un si cle qu'on a scientifiquement d montr  que l'activit  professionnelle pouvait engendrer une perte d'audition. Pourtant, la surdit  professionnelle est toujours, en 1988, la maladie professionnelle irr versible la plus courante. Cette  tude a  t  men e dans une usine de fabrication de produits m talliques qui compte 100 travailleurs. On a d'abord soumis ces derniers   des tests d'acuit  auditive, puis on leur a demand  de remplir, avec leur conjoint, un questionnaire sur les troubles auditifs. Ce document fournit les r sultats de ces tests.  
• CA HE LA

#### S ret  du Qu bec : Rapport d'activit  1989

Montr al : la S ret , 1990. 31 p. : ill. CSI 67185.001. ISSN 0831-6473 ISBN 2-550-20615-0  
MICROLOG 90-06551 1 fiche

La S ret  du Qu bec est charg e de maintenir la paix, l'ordre et la s curit  publique dans tout le territoire du Qu bec, pr venir le crime ainsi que les infractions aux lois du Qu bec et d'en rechercher les auteurs. Ce rapport annuel fait le bilan des activit s et des r alisations des

diff rentes composantes de la S ret : Direction des ressources humaines, les directions des ressources financi res et mati rielles, Direction de la surveillance du territoire, Direction des enqu tes criminelles et des supports techniques et Direction de la planification et de la technologie. On donne aussi un organigramme et des faits saillants et statistiques pour l'ann e.  
JU PR QU ST

#### Surface Crown Pillar Evaluation for Active and Abandoned Mines : proceedings of the international conference

M.C. B tournay, editor ; sponsored by CANMET, Ontario Ministry of Northern Development and Mines, and CIM. Ottawa : Energy, Mines and Resources Canada, Canada Centre for Mineral and Energy Technology, 1989. v, 216 p. : ill., maps. Bibliogr. (CANMET special publication ; SP89-5) ISBN 0-660-13355-5  
MICROLOG 90-01318 3 fiche

Over the last few years, surface crown pillar failures in active and abandoned mines gained the attention of the mining industry and civic officials. The interest and research generated by these occurrences led to the realization that the subject of surface crown pillars is diverse and complex, both in a geomechanical sense and a liability sense. The problems mine operators face do not go away with time and may even worsen, so that the subsequent encroachment by housing developments, schools, highways and railways may prove very risky. This conference provided a forum for the discussion of the short- and long-term behaviour of surface crown pillars, covering investigation of in situ conditions, design methods and consequences, and dealing with abandoned mines and cave-ins.  
CA NR ON PS SC

#### Surface environmental research at the Elliot Lake Laboratory : a compilation of papers

by Y.M. Boucher, N.K. Dave and T.P. Lim. Ottawa : Canada Centre for Mineral and Energy Technology, Metals Technology Laboratories, 1989. ix, 72 p. Bibliogr. (Report ; MTL 89-79(LS))  
MICROLOG 90-00173 1 fiche

Increasing concern is being expressed on the environmental problem of uranium and base metal mine/mill tailings. In the early 70s mine/mill waste management research was initiated at the Elliot Lake mining research laboratory to study revegetation and reclamation of the tailings as a means of reducing the environmental impact. In more recent years, extensive biogeochemical and contaminant migration pathway research was undertaken to understand all processes leading to generation, migration and release of contaminants from the reactive tailings into the biosphere and hydrosphere. This compilation consists of abstracts of all extensive surface environmental research carried out by the Elliot Lake laboratory in reclamation/revegetation, microbiology, hydrogeochemistry, contaminant migration, biological pathways, and analytical instrumentation.  
• CA CM EV NR ON SC

#### Surface freight transportation : alternatives into the 21st century

for Nova Scotia Dept. of Transportation and Communications. Halifax : Peat, Marwick, Stevenson and Kellogg, 1989. 2 v. Bibliogr. Contents: Vol. I : Final report -- vol. II : Technical appendices.  
MICROLOG 90-01894 3 fiche

This study was undertaken in response to growing concern over continued decreases in rail service and the long-term impact of this trend on the economy. The study determined if the current roles of the modes are



appropriate in light of established provincial and economic development goals and priorities; ascertained future supply and demand characteristics for surface modes within Nova Scotia for the movement of freight, given the existing policy directions of the provincial and federal governments and the continued priorities of the rail and road carriers; and determined if there is a more appropriate role for road and rail freight transportation modes in light of provincial goals and priorities and the steps that would be necessary to implement this role. The CN mainlines of Halifax-Moncton and Truro-North Sydney were the principal focus for future rail service and freight movements. A broad cross-section of business and industry (both shippers and carriers), labour, industrial development people, government officials and other interested parties were consulted.  
AP CO PR TR

#### Surface trawl catch data from the Lower Fraser River at Queens Reach during 1987 and 1988

by T.R. Whitehouse and C.D. Levings. West Vancouver, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, West Vancouver Laboratory, 1989. iii, 53 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 768) ISSN 0706-6465  
MICROLOG 90-01434 1 fiche

Description of the results of a trawl sampling program carried out for 1 year on the Lower Fraser River. In September 1987, sampling was initiated immediately downstream from the Port Mann Bridge, at Queens Reach. Weekly sampling was maintained to the end of August 1988. Sampling assessed the temporal abundance and cross channel distribution of fish species present in the surface water of the Lower Fraser River. Subsamples were collected from the total catch to provide size and diet information on fish species captured. Marked fish (adipose fin clipped) were sampled to determine their hatchery of origin and downstream transit time.  
● BC CA CF FI SC

#### Surface water data : Alberta, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xii, 279 p. *Bilingual (Données sur les eaux...Alberta...)* CSI 22296.009.  
MICROLOG 90-00296 3 fiche

Annual report for the 1988 calendar year on the results of hydrometric investigations made in Alberta. Data is given by station, listed alphabetically, and includes a table of daily water level or discharge in metres or cubic metres per second; summary of monthly and annual data, including maximum and minimum daily water level in metres, and the maximum instantaneous water level and the time of occurrence; and descriptive information about the gauging station, including type of gauge, location, drainage area, contributed data, natural or regulated flow, and gauge datum.  
AL CA NR PS SC ST

#### Surface water data : Atlantic Provinces, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xiii, 141 p. *Bilingual (Données sur les eaux...Provinces de l'Atlantique...)* CSI 22296.010.  
MICROLOG 90-00294 2 fiche

Annual report for the 1988 calendar year on the results of hydrometric survey investigations made in the Atlantic Provinces. Data is given by station, listed alphabetically, and includes a table of daily water level or discharge in metres or cubic metres per second; summary of monthly and annual data, including maximum and minimum daily water level in metres, and the maximum instantaneous water level and the

time of occurrence; and descriptive information about the gauging station, including type of gauge, location, drainage area, contributed data, natural or regulated flow, and gauge datum.  
AP CA NR PS SC ST

#### Surface water data : Atlantic Provinces, 1989

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xiii, 139 p. *Bilingual (Données sur l'Atlantique...)* CSI 22296.010. ISBN 0-662-57550-4  
MICROLOG 90-06936 2 fiche

Annual report of hydrometric survey investigations for the calendar year, giving a table of daily water level or discharge; summary of monthly and annual data; and descriptive information including whether the station is international or not, the type of gauge used, the location, the drainage area, contributed data, natural or regulated flow, and gauge datum. An alphabetical and station number index are included.  
AP CA NR PS SC ST

#### Surface water data : British Columbia, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xii, 307 p. *Bilingual (Données sur les eaux...Colombie Britannique...)* CSI 22296.011. ISBN 0-662-56765-X  
MICROLOG 90-00341 4 fiche

Annual report for the 1988 calendar year on the results of the hydrometric survey investigations made in British Columbia. Data is given by station, listed alphabetically, and includes a table of daily water level or discharge in metres or cubic metres per second; summary of monthly and annual data, including maximum and minimum daily water level in metres, and the maximum instantaneous water level and the time of occurrence; and descriptive information about the gauging station, including type of gauge, location, drainage area, contributed data, natural or regulated flow, and gauge datum.  
BC CA NR PS SC ST

#### Surface water data : Manitoba, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xii, 185 p. *Bilingual (Données sur les eaux...Manitoba...)* CSI 22296.013. ISBN 0-662-56760-9  
MICROLOG 90-00330 3 fiche

Annual report for the 1988 calendar year on the results of hydrometric survey investigations made in Manitoba. Data is given by station, listed alphabetically, and includes a table of daily water level or discharge in metres or cubic metres per second; summary of monthly and annual data, including maximum and minimum daily water level in metres, and the maximum instantaneous water level and the time of occurrence and descriptive information about the gauging station, including type of gauge, location, drainage area, contributed data, natural or regulated flow, and gauge datum.  
CA MS NR PS SC ST

#### Surface water data : Ontario, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xiii, 295 p. *Bilingual (Données sur les eaux...Ontario...)* CSI 22296.006. ISBN 0-662-56759-5  
MICROLOG 90-01374 4 fiche

Results of the hydrometric survey investigation in Ontario for the 1988 calendar year. The publication includes the annual water level data for the tides and water level network in Ontario on the Great Lakes and the St. Lawrence River. The publication includes a table of daily water level or discharge, a

summary of monthly and annual data, and descriptive information. The monthly summary includes the mean water level in metres for complete months and the maximum and minimum daily water level in metres. The annual summary gives the mean water level in metres for complete years, the maximum and minimum daily water levels and their dates of first occurrence where applicable, and the maximum instantaneous water level and the time of occurrence where available. Descriptive information about gauging stations includes whether they are international, type of gauge, location, drainage area, contributed data, natural flow or regulated, and gauge datum.  
CA NR ON PS SC ST

#### Surface water data : Quebec, 1989

Longueuil, Que. : Environment Canada, Inland Waters Directorate, Quebec Region, Water Quantity and Quality Branch, 1990. vi, 57 p. *Bilingual (Données sur le Québec...)* CSI 22296.014. ISBN 0-662-57551-2  
MICROLOG 90-06937 1 fiche

This publication includes the annual water level data for the tides and water level network in Quebec on the St. Lawrence River upstream of Lac St. Pierre. Data is given on daily water level or discharge, a summary of monthly and annual data, and such descriptive information as designated international gauging stations, type of gauge used, location, drainage area, contributed data, natural or regulated flow, and gauge datum.  
CA NR PS QU SC ST

#### Surface water data : Saskatchewan, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xii, 190 p. *Bilingual (Données sur les eaux...Saskatchewan...)* CSI 22296.022. ISBN 0-662-56762-5  
MICROLOG 90-00293 3 fiche

Annual report for the 1988 calendar year on the results of the hydrometric survey investigations made in Saskatchewan. Data is given by station, listed alphabetically, and includes a table of daily water level or discharge in metres or cubic metres per second; summary of monthly and annual data, including maximum and minimum daily water level in metres, and the maximum instantaneous water level and the time of occurrence; and descriptive information about the gauging station, including type of gauge, location, drainage area, contributed data, natural or regulated flow, and gauge datum.  
CA MS NR PS SC ST

#### Surface water data : Saskatchewan, 1989

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xii, 190 p. *Bilingual (Données sur le Saskatchewan...)* CSI 22296.022. ISBN 0-662-57553-9  
MICROLOG 90-06934 3 fiche

Annual report of hydrometric survey investigations for the calendar year, giving a table of daily water level or discharge; summary of monthly and annual data; and descriptive information including whether the station is international or not, the type of gauge used, the location, the drainage area, contributed data, natural or regulated flow, and gauge datum. An alphabetical and station number index are included.  
CA MS NR PS SC ST

#### Surface water data : Yukon and Northwest Territories, 1988

Ottawa : Environment Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1989. xii, 114 p. *Bilingual (Données sur les eaux...Yukon...)*



CSI 22296.012. ISBN 0662-56764-1  
MICROLOG 90-01392 2 fiche

Results of the hydrometric survey investigation in Yukon and Northwest Territories for the 1988 calendar year. The publication includes a table of daily water level or discharge, a summary of monthly and annual data, and descriptive information. The monthly summary includes the mean water level in metres for complete months and the maximum and minimum daily water level in metres. The annual summary gives the mean water level in metres for complete years, the maximum and minimum daily water levels and their dates of first occurrence where applicable, and the maximum instantaneous water level and the time of occurrence where available. Descriptive information about gauging stations includes whether they are international, type of gauge, location, drainage area, contributed data, natural or regulated flow, and gauge datum.  
CA NO NR PS SC ST

#### Surface water data : Yukon and Northwest Territories, 1989

Ottawa : Environnement Canada, Inland Waters Directorate, Water Resources Branch, Water Survey of Canada, 1990. xii, 112 p.  
*Bilingual (Données sur Yukon et...)*  
CSI 22296.012. ISBN 0-662-57556-3  
MICROLOG 90-06935 2 fiche

Annual report of hydrometric survey investigations for the calendar year, giving a table of daily water level or discharge; summary of monthly and annual data; and descriptive information including whether the station is international or not, the type of gauge used, the location, the drainage area, contributed data, natural or regulated flow, and gauge datum. An alphabetical and station number index are included.  
CA NO NR PS SC ST

#### Surveillance archéologique aux Forges du Saint-Maurice, 1988

par R. Renaud. Ottawa : Environnement Canada, Service canadien des parcs, 1990. 13 p. : ill., cartes géogr. Bibliogr. (Bulletin de recherches ; no 278) L'éd. anglaise (*Archaeological monitoring...*) sur la même fiche. ISSN 0228-1236  
MICROLOG 90-04607 1 fiche

Ce bulletin de recherches présente, par secteurs, les circonstances propres à chacune des excavations ainsi que les résultats de la surveillance archéologique effectuée sur le site en 1988. Les numéros attribués aux ouvrages architecturaux dont il est question dans le texte réfèrent à la figure 2, alors que les numéros de sous-opérations réfèrent, soit au plan de localisation des tranchées de 1988, soit à celui des sous-opérations ouvertes antérieurement.  
CA CU QU

#### Surveillance archéologique de faible envergure et autres interventions d'urgence réalisées en 1988, Service canadien des parcs, région du Québec

par P. Drouin, M. Elie et G. Piédalue. Ottawa : Environnement Canada, Service canadien des parcs, 1990. 16 p. : ill. Bibliogr. (Bulletin de recherches ; no 282) L'éd. anglaise (*Small-scale archaeological...*) sur la même fiche. ISSN 0228-1236  
MICROLOG 90-04611 1 fiche

Ce bulletin de recherche regroupe les comptes rendus des interventions archéologiques de faible envergure réalisées dans trois sites de la région du Québec au cours de 1988. Les points principaux d'intervention ont été la péninsule de Penouille, Petit-Gaspé, Grande-Grave et l'Anse-aux-Sauvages. Le contexte et la nature des travaux effectuées de même que les résultats obtenus y font l'objet d'une brève présentation.  
CA CU QU

#### Surveillance nationale de la pollution atmosphérique : extrait annuel, 1987

Ottawa : Environnement Canada, Conservation et protection, Protection de l'environnement, Direction du développement technologique et des services techniques, 1989. xx, 74 p.  
*Bilingue (National air pollution...)*.  
CSI 22142.003.  
MICROLOG 90-00285 1 fiche

Ce programme est un projet conjoint des gouvernements fédéral et provinciaux. Les données contenues dans le présent extrait ont été réunies par les organismes collaborateurs et compilées par Environnement Canada. En décembre 1987, les données étaient obtenues de 415 appareils d'échantillonnage répartis dans 59 villes. Les mesures portent sur le dioxyde de soufre, le monoxyde de carbone, le dioxyde d'azote, l'ozone, l'indice de souillure, les particules en suspension, le plomb, les retombées de poussières et l'indice de formation de sulfate. Ce document contient la compilation des données du réseau pour l'année selon les différents paramètres de pollution. Il inclut aussi une comparaison des données du réseau aux objectifs nationaux de la qualité de l'air.  
CA EV SC ST

#### Surveillance nationale de la pollution atmosphérique : extrait annuel, 1988

Ottawa : Environnement Canada, Service de la protection de l'environnement, 1989. xx, 74 p.  
(Rapport ; SPE 7/AP/21) *Bilingue (National air pollution surveillance...)*.  
CSI 22142.003.  
ISBN 0-662-57139-8  
MICROLOG 90-02194 2 fiche

Les données contenues dans cet extrait portent sur la pollution atmosphérique et ont été réunies par les organismes collaborateurs et compilées par Environnement Canada. En décembre 1988, les données étaient obtenues de 407 appareils d'échantillonnage répartis dans 52 villes des dix provinces et des deux territoires. Les mesures portent sur le dioxyde de soufre, le monoxyde de carbone, le dioxyde d'azote, l'ozone, l'indice de souillure, les particules en suspension, le plomb, les retombées de poussières et l'indice de formation de sulfate.  
CA EV SC

#### Survey of Canadian provincial and federal science and technology advisory councils

prepared for the National Forum of Science and Technology Advisory Councils. Ottawa : National Advisory Board on Science and Technology, 1989. 2 v. Bibliogr.  
Contents: Vol. 1 : Survey -- vol. 2 : Background papers.  
MICROLOG 90-02819 2 fiche

Overview of the federal and provincial science and technology advisory councils in Canada, summarizing the responses to a survey. Information on the role and function of the councils and their administrative arrangements as well as lists of council members and publications available from the councils are included.  
• CA PR PS SC

#### A Survey of custom farmwork rates charged in Ontario, 1988

by B.D. Burgess and F. Wind. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. iv, 23 p. Bibliogr. (Economics information report ; no. 89-01) CSI 55137.003. ISSN 0708-482X  
MICROLOG 90-00913 1 fiche

Includes information derived from a survey of over 500 custom operators on the types of custom services provided, the schedule of rates charged during 1988, and the equipment and

labour provided.  
AG CO ON PR ST

#### A Survey of custom farmwork rates charged in Ontario, 1989

by B.D. Burgess. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. iii, 19 p. Bibliogr. (Economics information report ; no. 89-14) CSI 55137.003. ISSN 0708-482X  
MICROLOG 90-06167 1 fiche

Annual survey of custom farmwork rates in 6 areas of Ontario. For each of the areas, the ranges of rates, the most frequently quoted rates, and the average rates are given for tillage and planting; weed control and fertilizer application; harvesting soybeans, small grains, and corn; silo filling; and hay harvesting.  
AG CO ON PR ST

#### Survey of day care centres in residential zones

Halifax : Halifax Development and Planning Dept., 1989. 25 p.  
MICROLOG 90-03406 1 fiche

In response to Council's request for staff to assess the impact of day care centres in residential zones, a survey of neighbours and day care operators was conducted during January 1989. A total of twenty-nine day care operators were surveyed and 640 questionnaires were sent to area residents. Nineteen operators responded to the survey, as did 33.4 percent of neighbours. This report summarizes survey results, and provides a complete analysis in appendices. It also includes copies of the survey form.  
AP CI MU PL SA

#### A Survey of dilute lakes on the south coast of insular Newfoundland in relation to natural and anthropogenic acidification

by D.A. Scruton and D.H. Taylor. St. John's : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1989. v, 58 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1711) ISSN 0706-6457  
MICROLOG 90-04323 1 fiche

Recent lake surveys in insular Newfoundland have confirmed the extreme susceptibility of the island's freshwaters to anthropogenic acidification but evidence of widespread acidification damage is lacking. The south coast receives the highest annual precipitation in the province, ranging from 1500 mm in the east to over 2000 mm in the west. This survey sampled lakes along the south coast from Port aux Basques to Swift Current, within major and minor river watersheds draining to the south. All lakes were located in remote, undisturbed areas removed from population centers and point sources of pollution, in geologically acid-sensitive terrain. A total of 116 lakes were sampled between July 18 and 24, 1983, 90 for the first time. Samples were analyzed for pH, alkalinity, and conductivity within 24h of collection, then analyzed for 17 separate parameters, while 8 additional parameters were calculated.  
• AP CA CF EV FI SC

#### Survey of eastern hemlock for insects and pinewood nematode in New Brunswick and Nova Scotia

by L.P. Magasi, K.J. Harrison and J.E. Hurley. S.I. : Canadian Forestry Service - Maritimes, 1990. 4 p. (Technical note ; no. 240) ISSN 0820-8107  
MICROLOG 90-07100 1 fiche

Forestry Canada officials have been attempting to gain exemption for certain Canadian lumber species from the ban in Europe of non-kill-dried lumber, expected to come into effect in 1992. Lumber exempted would be that from species which appear not to pose a danger to



European forests, because they do not harbour sawyer beetles *Monochamus*. Hemlock is one of the export species which appear to be free of the beetles. This report describes a study conducted on the validity of the hypothesis that *Monochamus* does not regularly infest hemlock. The study determined the degree of association between sawyer beetles and hemlock and tested insect galleries and clear wood from logs and lumber for the presence of pinewood nematode at mill sites in the Maritime Provinces.

• AP CA FO SC

#### Survey of lenders : financing options for self-builders and self-contractors

Don Ference & Associates Ltd. Ottawa : Canada Mortgage and Housing Corporation, 1989. x, 120 p. Bibliogr.  
MICROLOG 90-03754 2 fiche

This document profiles the self-builder and self-contractor in terms of personal attributes and the characteristics of their homes. It provides a discussion of the criteria used by financial institutions to evaluate loan applications from self-builders and self-contractors, and presents a review of the various instruments used to finance self-builder and self-contractor projects and the changes in financial arrangements which occur post-construction. It also examines the obstacles to obtaining financing faced by self-builders and self-contractors.

CA CO SA

#### Survey of market users

Hamilton-Wentworth (Ont.). Planning and Development Dept. Hamilton, Ont. : The Dept., 1988. 15 p. On cover: *Market customer survey*  
MICROLOG 90-01104 1 fiche

Determines how customers travel to the market, where car drivers park; changes in market usage since the Eaton's parking garage was replaced by the new parking structure on the north side of York Boulevard; perceived advantages and disadvantages of the new parking structure, and the overall level of satisfaction with the parking situation in the vicinity of the market.

MU ON SC TR

#### Survey of mobile treatment technologies for industrial and hazardous waste

Engineering-Science. Toronto : Ontario Waste Management Corporation, 1988. 49 p.  
MICROLOG 90-02862 1 fiche

Brief summary of the findings and conclusions of a survey of mobile treatment technologies for industrial and hazardous wastes. A comprehensive list of mobile or potentially mobile waste treatment technologies was developed and reviewed, divided into the categories of thermal treatment systems, PCB destruction processes, physical/chemical treatment systems, and solidification/stabilization technologies.

EV ON PR SC

#### A Survey of moulting Canada geese in the Bathurst Inlet and Back River areas, Northwest Territories, 1986

by K.J. McCormick and R.G. Bromley. Ottawa : Canadian Wildlife Service, Western and Northern Region, 1990. vi, 44 p. : fold. maps. Bibliogr. (Technical report series ; no. 80) ISSN 0831-6481 ISBN 0-662-17304-X  
MICROLOG 90-06288 1 fiche

In 1984, a compilation of the key migratory bird terrestrial habitat sites in the NWT was completed. Some of the site-specific data are out-dated and therefore needed to be resurveyed. The Back River system was first surveyed in 1984. This report presents the results of a 1986 survey to determine the distribution and abundance of moulting Canada geese in the vicinity of Bathurst Inlet and along

the Hood, Western, Hiukitak, Ellice, and Back Rivers; to evaluate the importance of key habitat sites in the study area; and to record ancillary information on other wildlife in the study area. The study was conducted from July 11-13, 1986.

CA EV LS NO SC

#### A Survey of moulting Canada geese on the Snowdrift and Thelon rivers, Northwest Territories, 1988

by K.J. McCormick, S.A. Alexander and J. Sirois. Ottawa : Canadian Wildlife Service, Western and Northern Region, 1988. v, 22 p. : fold. maps. Bibliogr. (Technical report series ; no. 82) ISSN 0831-6481 ISBN 0-662-17373-2  
MICROLOG 90-06287 1 fiche

In December 1986, the federal Northern Mineral Policy was released, dealing with access to land for mining exploration and development. The policy included a review of the Thelon Game Sanctuary to ensure that the lands it contained are necessary to achieve the conservation objectives for which it was established. In 1984, a compilation of 61 key migratory bird terrestrial habitat sites in the NWT was completed. Two of these sites are in the Thelon sanctuary, providing habitat for moulting Canada geese. A 3-year study was begun in 1988 to examine the distribution and abundance of moulting Canada geese along the Thelon and Snowdrift Rivers. This report presents the results from the first year of the survey. The study determined the distribution and abundance of moulting Canada geese on the rivers; evaluated the importance of key habitat sites along the Thelon River; and recorded ancillary information on other wildlife in the area.

• CA EV LS NO SC

#### A Survey of moulting Canada geese on the Snowdrift and Thelon rivers, Northwest Territories, 1989

by S.A. Alexander. Ottawa : Canadian Wildlife Service, Western and Northern Region, 1989. v, 29 p. : fold. maps. Bibliogr. (Technical report series ; no. 81) ISSN 0831-6481 ISBN 0-662-17305-8  
MICROLOG 90-06280 1 fiche

In December 1986, the Northern Mineral Policy of the federal government was released, dealing with access to land for mining exploration and development. The policy included a review of the Thelon Game Sanctuary to ensure that the lands it contained are necessary to achieve the conservation objectives for which it was established. In 1984, a compilation of 61 key migratory bird terrestrial habitat sites in the NWT was completed. Two of these sites are in the Thelon sanctuary, providing habitat for moulting Canada geese. A 3-year study was begun in 1988 to examine the distribution and abundance of moulting Canada geese along the Thelon River and Snowdrift River. This report presents the results from the 2nd year of surveys. The study determined the distribution and abundance of moulting Canada geese on the rivers; evaluated the importance of key habitat sites along the Thelon River; and recorded ancillary information on other wildlife in the area.

• CA EV LS NO SC

#### Survey of pesticide use in Ontario, 1988 : estimates of pesticides used on field crops, fruits and vegetables

by J. Moxley. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. iv, 40 p. : maps. Bibliogr. (Economics information report ; no. 89-08) CSI 55137.008. ISSN 0708-482X ISBN 0-7743-9959-7  
MICROLOG 90-04705 1 fiche

Since 1973, surveys of agricultural pesticide use have been carried out every 5 years, dealing with use on field crops, fruit and vegetable crops, and roadside spraying. This survey deals only with field crops and fruit and vegetable crops. Roadside data were not collected. The field crops component consisted of a questionnaire mailout to a sample of 10,000 farmers. The survey of pesticide use on fruits and vegetables was sent to 3,200 producers. This report presents the findings of these studies, along with highlights at the provincial, county, and river basin level.

AG ON PR SC

#### A Survey of private home day care services in Ontario, 1988

Norpark Computer Design, Inc. Toronto : Ministry of Community and Social Services, Child Care, 1989. ix, 123 p. Bibliogr. Summary report (iii, 29 p.) laid in. ISBN 0-7729-5840-8  
MICROLOG 90-01945 2 fiche

Summary of a study to describe the current operation of the private home day care (PHDC) program in the province of Ontario. PHDC is defined as the temporary care for reward or compensation of 5 children or less who are under 10 years of age where such care is provided in a private residence, other than the home of a parent or guardian of any such child, for a continuous period not exceeding 24 hours. Separate surveys of PHDC agencies, providers, parents and home visitors were conducted and are reported.

ON PR SA

#### A Survey of seedling debarking weevil damage in first and second year plantations in Nova Scotia

Truro, N.S. Dept. of Lands and Forests, 1988. 7 p. : ill. Bibliogr. (Forest research report ; no. 6)  
MICROLOG 90-02226 1 fiche

Recently, debarking weevils have caused varying levels of damage to newly established plantations in the Maritimes Region. Debarking weevils feed on the inner bark of stumps and slash as well as on newly planted seedlings. They are attracted to recent clearcuts by the odour of resins originating from freshly cut stumps and branches. This report summarizes the results of a survey conducted to obtain estimates of the level of debarking weevil damage in selected Nova Scotia plantations.

AP FO PR SC

#### Survey of student attitudes on entrepreneurship and small business

by L. Allen. Toronto : Ministry of Industry, Trade and Technology, Small Business, Service Industries and Capital Projects Division, Small Business Branch, 1989. 31, 31 p. : ill. (Small business advocacy report ; no. 31) *Bilingual (Enquête sur l'attitude des...)*  
MICROLOG 90-03150 1 fiche

The report investigates students' awareness and knowledge of small business, their perception of small business owners, what it would be like to own or be an employee of a small business, and their future plans vis-a-vis involvement in small business.

BS CO ON PR

#### Survey of the market for mussels and mussel products

by H. Harmsma. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 84 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5457) Originally published in Dutch, by Neth. Institute of Agr. Economics (Landbouw-Economisch Inst.) at The Hague, the Netherlands. ISSN 0704-3716  
MICROLOG 90-00577 1 fiche



Description of the developments that have taken place in the market for fresh mussels and processed mussel products. The paper also discusses the developments in the various markets and the possible consequences for the Dutch mussel sector. Connections between various trade statistics are tested by a simultaneous estimation model, and the possibilities, limitations, strengths and weaknesses of the industry are discussed.

• CA CF CO FI SC

### A Survey of ventilation systems for new housing

produced by: Habitat Design and Consulting Ltd., Chris Mattock, David Rousseau. Ottawa : Canada Mortgage and Housing Corporation, 1988. 144 p. : ill. Bibliogr. MICROLOG 90-01623 2 fiche

Survey of ventilation systems for new housing, particularly new building code requirements and the CSA draft ventilation standard F326. The study covers the code requirements, reliability, compatibility with heating equipment, air distribution, air tempering, capacity, installed cost, energy efficiency, pressure balancing, and control of residential mechanical ventilation; the range of systems in use and the available residential ventilation equipment both here and abroad; compares the costs and other identified requirements for the systems surveyed; and lists products, technology and expertise that are required to produce reliable, cost effective and safe ventilation systems for Canadian housing within new code requirements.

CA PL PS SC

### A Survey to document the decline status of the sugar maple forest of Ontario, 1986

by W.D. McIveen, D.L. McLaughlin and R.W. Arnup. Toronto : Environment Ontario, Air Resources Branch, 1989. 78 p. : maps. ISBN 0-7729-6253-7. MICROLOG 90-04213 1 fiche

Forest decline has been reported historically, although its severity and extent has become more apparent in the last 10-15 years. In 1985, a province-wide study was initiated on the condition of Ontario's hardwood forest, particularly sugar maples. The study established a network of permanent observation plots and evaluated the trees for their decline status; developed a rating system to assess the condition of the trees; evaluated the assessment data and determined if regional differences were apparent in forest tree conditions. In total, 110 plots consisting of 100 trees greater than 10 cm at breast height were established and the initial evaluation was completed in July and August 1986. The trees were evaluated using a numerical decline index rating system which transformed qualitative assessments of tree condition into quantitative data which could be tested statistically. Additional data regarding gross soil characteristics, stand mensural characteristics, disease and insect activity and the frequency of tree stem defects was also collected.

EV ON PR SC

### Survival rate of the Atlantic salmon embryos incubated in apparatus with closed circulation of water under a certain temperature range

by Y.N. Gorodilov and T.N. Svimonishvili. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 30 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5332) Originally published in Russian. ISSN 0704-3716. MICROLOG 90-02095 1 fiche

Paper analyzing the course of the embryology of salmon in relation to temperature and the absolute duration of the same stages at different temperatures of egg incubation.

Studies were conducted on the eggs of Atlantic salmon from the Kola and Neva Rivers in 1973-78. After fertilization and swelling, the eggs were placed in incubators in which constant temperatures from 1.0C - 11.6C were maintained. The water in the incubators was circulated with periodic replacement of part of the water and with the use of the same water during the entire period of incubation. The temperature and rate of flow were monitored every day during incubation, and if there were dead eggs, they were removed. The development of the embryos were monitored on the live eggs.

• CA CF FI SC

### Survivance de l'industrie : banques, 1989

Ottawa : Bureau du surintendant des institutions financières Canada, 1989. 20 p. Bilingue (Industry overview : banks...). CSI 22170.009. ISBN 0-660-55073-3. MICROLOG 90-03039 1 fiche

Au Canada, on compte 10 banques à chartes canadiennes de même que 57 filiales de banques étrangères réglementées et surveillées par le Bureau du surintendant des institutions financières. Deux des banques canadiennes, soit B.C. Bancorp et la Banque Continentale du Canada, sont actuellement en voie de liquidation. Au 31 octobre 1988, les six plus grandes banques à charte canadienne (les Six Grandes) intervenaient pour 90.5 % de l'actif total des banques actives au Canada. Ce document fait le survol de l'industrie et se penche sur les points suivants: l'état de l'actif au 31 octobre 1988; l'état du passif au 31 octobre 1988; l'état des revenus pour l'exercice terminé le 31 octobre 1988; et, le relevé consolidé des revenus et des dépenses pour 1987-1988.

CA CO ST

### Survivance de l'industrie : compagnies d'assurance de biens et de risques divers, 1989

Ottawa : Bureau du surintendant des institutions financières Canada, 1989. ix, 145 p. Bilingue (Industry overview : property...). CSI 22170.007. ISBN 0-660-55071-7. MICROLOG 90-03037 2 fiche

Le Canada compte plus de 350 compagnies d'assurance de biens et de risques divers, d'où la forte concurrence du marché. La plupart des 266 compagnies sont agréées par le gouvernement fédéral, qui en assure la surveillance; 113 compagnies ont été constituées en société au Canada et 153 sont des filiales de compagnies étrangères. Ce document fait le survol du secteur puis examine les points suivants: les compagnies canadiennes, britanniques et étrangères; les primes et réclamations par catégorie et par compagnie; le sommaire des primes et des réclamations par catégorie d'affaires; et, le résumé des données statistiques quinquennales.

CA CO ST

### Survivance de l'industrie : compagnies de fiducie et de prêt et associations coopératives de crédit, 1989

Ottawa : Bureau du surintendant des institutions financières Canada, 1989. ix, 99 p. Bilingue (Industry overview : trust and loan...). CSI 22170.008. ISBN 0-660-55070-9. MICROLOG 90-03038 2 fiche

On dénombre environ 90 sociétés fiduciaires et de prêt habilitées à accepter des dépôts au Canada. De ce nombre, 60 ont été constituées en vertu de lois fédérales, ce qui englobe les 12 filiales de prêts hypothécaires de banques à charte. Ce document fait le survol du secteur en ce qui a trait aux compagnies de fiducie et de prêt et associations coopératives de crédit pour l'année 1989.

CA CO ST

### Un Survivance des études, problèmes et efforts actuels liés à la promotion de la santé au Québec

Ottawa : Secrétariat des conférences intergouvernementales canadiennes, 1989. 27, 27 p. Bibliogr. Présenté au Colloque national sur la promotion de la santé et la prévention des maladies. Bilingue (An Overview of present studies...). MICROLOG 90-00038 1 fiche

Ce document présente les points saillants du Colloque national sur la promotion de la santé et la prévention des maladies au Québec. Ce colloque s'est tenu à Victoria, en Colombie-Britannique, au mois de mars 1989.

• CA HE QU

### Suspended sediment analysis for three P.E.I. streams using sediment rating curves

by D. Caissie and J. Conlon. Moncton, N.B. : Dept. of Fisheries and Oceans, Gulf Region, Science Branch, 1989. v, 16 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1704) ISSN 0706-6457. MICROLOG 90-04048 1 fiche

The impact of high levels of inorganic sediment are not documented on aquatic life and, in particular, on salmonid fishes. Inorganic sediment, in high concentrations, can be a harmful pollutant during all freshwater stages of the salmonid life cycle. These sediments may be in suspension or they may form a deposit on the gravel bed. This study evaluated the suspended sediment characteristics of 3 river basins in Prince Edward Island, and selected and evaluated a sediment model to enable better prediction of sediment loads and their effect on salmonids. A sediment rating curve in the form of a mathematical relationship between stream discharge and suspended sediment concentration is developed for each river basin which is used to predict sediment concentration for days when only stream discharge data are available.

• AP CA CF EV FI SC

### The Suspense file

Canada Pension Plan Advisory Board. Ottawa : Health and Welfare Canada, 1988. 26, 28 p. Bilingue (Le Fichier d'attente). MICROLOG 90-02974 1 fiche

The role of the Board is to review the operation of the Plan, the adequacy of coverage and benefits payable thereunder, and the state of the Canada Pension Plan Investment Fund. This document reports on a study of the inhabitants of the Suspense File and recommends possible measures to reduce its size.

CA CO

### Sustainable development : public sector : a process for change

Winnipeg : Sustainable Development Coordination Unit, 1990. 13 p. MICROLOG 90-06260 1 fiche

Describes the mandate for change, organizing sustainable development, the Manitoba Round Table structure, the Manitoba Government sustainable development structure, approval for action, and the framework for implementation of sustainable development.

CO EV MS PR

### Sustainable development in ERDAs/EDAs : incorporating environmental considerations into economic decision-making : interim report

Ottawa : Environment Canada, Canadian Wildlife Service, Sustainable Development Branch, 1988. 48 p. French ed. (Développement durable dans le cadre...) on the same fiche. MICROLOG 90-06324 1 fiche



This document was prepared for regional and headquarters personnel for use in their discussions with federal and provincial/territorial agencies involved in economic and regional development agreement (ERDA) and economic development agreement (EDA) negotiations. The common objective is to require consideration of the broader environmental opportunities and constraints. The document presents wording changes proposed for inclusion in revisions or renewals of ERDAs, EDAs and 9 types of subsidiary agreements for agriculture, fisheries, forestry, industrial development, infrastructure, mining/mineral, planning, renewable resources and tourism.

• CA CO EV SC

#### **Sustainable development land and water strategy : a summary of public input : what you told us**

Winnipeg : The Province, 1989. 57 p. : ill. MICROLOG 90-02363 1 fiche

This brochure gives an overview of public comment on soil and water policies which were reviewed at meetings and workshops as part of the provincial government's land and water strategy. The material was drawn from comments in workbook questionnaires, written submissions, letters and transcripts prepared from notes and recordings at the meetings and workshops and covers the concept of sustainable development, water policies, soil policies, and northern issues, as well as other issues, concerns and strategies. Soil and water policies were revised in light of this input. Highlights are also included.

EV MS PR SC

#### **Sustainable economic development : report**

Committee on Sustainable Economic Development. Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 21 p. French ed. (*Un Développement économique durable...*) on the same fiche. Presented at the Conference of the New England Governors and the Eastern Canadian Premiers.

MICROLOG 90-00521 1 fiche

This document defines sustainable economic development, and discusses reasons why New England and Eastern Canada should be interested in it, how it supplements current policies and programs, how it can benefit the two regions, and opportunities and recommendations. It also includes policies and programs proposed by each state and province consistent with the concept of sustainable economic development.

• CA CO EV EX SC

#### **Sustainable reform : notes for a talk at the first federal real property conference : The Challenge of Reform Conference '88**

by J.F. Herty. Ottawa : Federal Environmental Assessment Review Office, 1988. 7 p. (Occasional paper ; no. 14) French ed. (*Une Réforme soutenable : notes...*) on the same fiche.

MICROLOG 90-06134 1 fiche

This paper discusses ways in which the principles of environmental assessment can be incorporated into real property management within the federal government. The paper describes the process of environmental assessment, the changes which are contemplated, and how it can help property managers deal more effectively with such problems as signs of archaeological importance at their building sites.

CA EV SC

#### **Sustut-Takla Forest Licences : investigation report**

Victoria : Ombudsman of British Columbia, 1990. 11 p. (Public report ; no. 21) MICROLOG 90-07175 1 fiche

Investigative report of the Ombudsman's Office regarding the complaint of the Village of Hazelton into the awarding of forest licences to two Prince George companies. The Village was concerned that a number of irregularities were involved in selection of the criteria for giving the licence to the 2 companies and that the criteria used were based on conditions in the Prince George area when in fact the acreage is located in the Prince Rupert area. Finally, the decision to award the area to the 2 companies was made in advance of the official licence award. Each of the irregularities are addressed separately and explanations are given.

BC FO PR SC

#### **The Swedish border opens for increased fish export from Norway?**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 4 p. (Canadian translation of fisheries and aquatic sciences ; no. 5455) Originally published in Norwegian. ISSN 0704-3716

MICROLOG 90-00584 1 fiche

Paper exploring the market for counter-ready fish products from Norway to middle Sweden and the negotiations and meetings which have already been held.

• CA CF CO FI SC

#### **Swine farm business summary : farrow to finish, 1988**

by J. Houghton and R. Bellefontaine. Halifax : Dept. of Agriculture and Marketing, 1989. 28 p. CSI 51100.006

MICROLOG 90-00309 1 fiche

Synopsis of the business performance of 16 Nova Scotia farrow-to-finish swine farms based on data volunteered for use in the summary. Information is given by size of farm (20-99 sows, 100 plus sows) and includes receipts, expenses, an income summary, average cost of pork production, a cost analysis, a production analysis, and a feed analysis. An analysis of all farms and a summary is also given.

AG AP CO PR ST

#### **Swine farm business summary : finishing, 1988**

by J. Houghton and R. Bellefontaine. Halifax : Dept. of Agriculture and Marketing, 1989. 9 p. CSI 51100.008

MICROLOG 90-00304 1 fiche

Synopsis of the business performance of 10 Nova Scotia swine finishing farms which volunteered their data for use in the summary. Information is given on receipts, expenses, an income summary, the average cost of pork production, a cost analysis and a production analysis.

AG AP CO PR ST

#### **Swine farm business summary : sow weaning, 1988**

by J. Houghton and R. Bellefontaine. Halifax : Dept. of Agriculture and Marketing, 1989. 10 p. CSI 51100.009

MICROLOG 90-00303 1 fiche

Synopsis of the business performance of 5 Nova Scotia swine farms which volunteered their data for use in the summary. Information is given on receipts, expenses, income summary, average cost of pork production, production analysis, and cost analysis.

AG AP CO PR ST

#### **Symposium international sur le traitement des eaux usées et l'Atelier sur l'eau potable : compte rendu**

Symposium international sur le traitement des eaux usées (12e : Montréal, Québec). Québec : Gouvernement du Québec, Ministère de l'environnement ; Société québécoise d'assainissement des eaux ; Ottawa : Environnement Canada, Conservation et protection, 1989. xi, 459 p. : ill. Bibliogr. Les rapports sont dans la langue de présentation, français ou anglais (*International Symposium on Wastewater...*). ISBN 0-662-57019-7

MICROLOG 90-01586 5 fiche

Ce symposium comprend les sessions suivantes. Traitement et détoxification de sols et de boues contaminées; récupération et recyclage des métaux lourds; procédés de traitements biologiques; les responsabilités professionnelles des ingénieurs pour protéger l'environnement, plusieurs aspects de la protection de l'eau potable et des techniques nouvelles pour traiter de l'eau, notamment des procédés anaérobie.

• CA EV QU SC

#### **Symposium on Ground-Water Contamination : abstracts**

Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute ; S.I. : Canadian Water Resources Association, 1989. 20 p. Bibliogr. (NIIRI contribution ; no. 89039) ISSN 0838-1992

MICROLOG 90-05383 1 fiche

Abstracts of papers presented at the symposium, covering organic and inorganic contaminants, sampling and analysis protocols, and water/aquifer interactions.

CA EV NR SC

#### **Le Syndicalisme au Canada**

par J. Dewetere. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 30 p. Bibliogr. (Etude générale ; BP-203F) L'éd. anglaise (*Trade unionism in Canada*) sur la même fiche. ISBN 0-660-92708-X

MICROLOG 90-01887 1 fiche

Depuis l'avènement du mouvement syndical au Canada vers le début du 19e siècle jusqu'à nos jours, l'effectif syndical a augmenté par sauts et par bonds, et sa composition a changé beaucoup avec le temps. Le mouvement syndical a survécu à la participation du Canada à deux guerres mondiales et s'est adapté aux changements qui sont survenus sur la scène économique, politique et législative. Ce document examine la question du syndicalisme au Canada. La première section fait l'historique de la question, et la deuxième porte sur l'effectif syndical au fil des ans. Finalement, après une description des changements apportés à la nature des offres dans le cadre de la négociation collective, on jette un coup d'oeil sur l'avenir du mouvement syndical au pays.

CA LA

#### **Synopsis of the parasites of vertebrates of Canada : cestodes of waterfowl (Anseriformes)**

edited by Murray J. Kennedy and J. Daniel McLaughlin. Edmonton : Alberta Agriculture, Animal Health Division, 1990. 21 p. Bibliogr.

MICROLOG 90-06670 1 fiche

This synopsis contains parasite-host and host-parasite lists of 76 species of cestodes from 30 species of wild waterfowl from Canada. Records from natural and experimental infections in domestic waterfowl and from experimental infections in wild species are also included.

AG AL PR SC



# **Synthèse bibliographique sur les systèmes experts appliqués à l'entretien de l'infrastructure routière**

par B. Lefebvre et D. Ferrero. Montréal : Université de Montréal, Centre de recherche sur les transports, 1990. 35 p. Bibliogr. (Publication ; no. 686)  
MICROLOG 90-04329 1 fiche

Cette recherche bibliographique a pour objectif l'identification des principaux systèmes experts, en Europe, aux États-Unis et au Canada qui oeuvrent dans le domaine de la gestion et de l'entretien du réseau routier. Elle met en évidence les buts, motivations et principaux aspects méthodologiques. Les systèmes ont été regroupés en trois catégories: les prototypes opérationnels, en développement ou à l'état de projet. Ceux qui ont été retenus dans cette étude comme étant les plus significatifs et les plus avancés dans ce domaine sont: Sceptre, Overdrive et Paradigm; Erasme; Arc; Preserver et Rose, PMEX; PAMEX; et, Pavement Expert.  
PR PS QU SC TR

# **Synthèse des composantes biophysiques : réserve écologique Irène-Fournier**

par G. St-Onge et L. Drolet. Québec : Ministère de l'environnement, Direction du patrimoine écologique, 1988. 31 p. : ill., cartes géogr. Bibliogr. En tête du titre: *Sauvegarde du patrimoine écologique*. ISBN 2-550-19428-4  
MICROLOG 90-01868 1 fiche

En 1988, la Direction du patrimoine écologique a effectué des reconnaissances écologiques afin de préciser davantage la valeur du potentiel écologique du projet de la réserve écologique Irène-Fournier, face, entre autres, à certaines objections formulées par le secteur Mines du ministère de l'Énergie et des Ressources. Ces travaux additionnels et une synthèse des données déjà compilées pour ce secteur font l'objet de ce rapport.  
EV FO PR QU SC

# **Synthèse des connaissances relatives à la biologie post-fraye du saumon atlantique *Salmo salar* en Ungava**

par L. Belzile, J.A. Robitaille et G. Shooner. Mont-Joli, Québec : Ministère des pêches et des océans, Direction des sciences biologiques, Institut Maurice-Lamontagne, 1990. ix, 29 p. Bibliogr. (Rapport technique canadien des sciences halieutiques et aquatiques ; no 1738) ISSN 0706-6570  
MICROLOG 90-05154 1 fiche

Ce document fait partie d'une série de rapports manuscrits issus d'un programme de recherche du ministère des Pêches et des Océans sur le stade post-fraye du saumon atlantique. Il fournit le cadre d'étude et les objectifs; les sources d'information et la terminologie; les caractéristiques biologiques des saumons de l'Ungava, après la fraye; la distribution et l'abondance; la composition des contingents de saumons noirs et de multipares; la structure d'âge, la rapport des sexes; le comportement, l'alimentation; et le reconditionnement naturel.  
• CA CF FI LS NO SC

# **A Synthesis of international literature on urban safety and crime prevention in residential environments : interim report and bibliography**

Canada Mortgage and Housing Corporation. Ottawa : The Corporation, 1989. 19 p. Bibliogr. Prepared for the European and North American Conference on Urban Safety and Crime Prevention.  
MICROLOG 90-05768 1 fiche

In preparation for the first European and North American Conference of Urban Safety and Crime Prevention being held in Montreal October 10-13th, 1989 the CMHC together with the Ontario Ministry of Housing commissioned a synthesis of the existing research on the relationship between residential environments and urban safety. This interim report outlines the terms of reference of the study together with a summary of interim findings.  
CA SA

# **Synthetic wadginite, tapiolite and tantalite**

by A.C. Turnock. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 15 p. : ill. Bibliogr. (Report ; MS 65-48)  
MICROLOG 90-04686 1 fiche

Description of the synthesis of solid phases in the systems Mn Ta<sub>2</sub> O<sub>6</sub>-Fe Ta<sub>2</sub> O<sub>6</sub>-O and Mn Ta<sub>2</sub> O<sub>6</sub>-Fe Ta<sub>2</sub> O<sub>4</sub> at various temperatures and partial pressures of oxygen.  
• CA CM NR PS SC

by A.C. Turnock. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 9 p. : ill. Bibliogr. (Report ; MS 65-31) Presented to the Mineralogical Association of Canada.  
MICROLOG 90-04688 1 fiche

Crystalline materials were synthesized from reagent grade chemicals, and reacted in a quench furnace under controlled conditions of temperature and partial pressure of oxygen. The total pressure was one atmosphere for all experiments. Oxidations and reduction reactions between solids and vapour took place. Any changes in the bulk composition, caused by changes in the oxygen content, were determined from weight changes. At the completion of the heating time, the charge was lowered quickly to the cool end of the furnace, where it cooled to room temperature. The phases were identified by powder X-ray diffraction.  
• CA CM NR PS SC

# **Syphon hydro research and development, 1984-89**

by J.B. FitzPatrick. Ottawa : Energy Mines and Resources Canada, Technology Branch, Hydraulic Energy ; Niagara Falls, Ont. : Acres International Limited, 1989. 16 p. : ill. Bibliogr.  
MICROLOG 90-00382 1 fiche

The use of syphons date back to 1500 BC when the Greeks and Romans used them to convey drinking water over high terrain. Modern day syphons consist of large installations for both water supply and irrigation schemes and, more recently, smaller installations for hydropower development. Acres International Ltd. participated in (or conducted) 6 syphon hydro studies, 2 in the US and 4 in Canada. These studies included the review and investigation of small syphon hydro installations to understand more fully the engineering design concept characteristics required to develop a site. One of the overall goals of the study is to achieve a generic design of installations, which would be an ideal alternative to using hydrocarbon-fueled power systems in small communities. Syphon hydro installations can be fully automated and operated unattended. This report summarizes the research work undertaken by Acres since 1984.  
• CA EN PS SC

# **System development guidelines**

Canada. Environment Canada. DACIM Subcommittee on Systems Development Guidelines. Ottawa : Environment Canada, 1990. 38 p. French ed. (Lignes directrices...) on the same fiche.  
MICROLOG 90-06740 1 fiche

These guidelines address system development from the point where the project has received conceptual approval on to the final system completion and review. The guidelines cover project management; the conduct of a feasibility study to determine the most acceptable and cost-efficient solution; and application development, including analysis and design, detail design, programming and testing, user manuals and training, implementation, and system review. A glossary is included.  
CA EV PS SC TE

# **A Systematic study of recent bison, with particular consideration of the Wood Bison**

by C.G. Van Zyll de Jong. Ottawa : National Museums of Canada, National Museum of Natural Sciences, 1986. viii, 69 p. : ill. Bibliogr. (Publications in natural sciences ; 6) ISSN 0714-0983 ISBN 0-662-13502-4  
MICROLOG 90-02218 1 fiche

Multivariate morphometric analyses of cranial and post-cranial skeletal data from historical, Holocene, late Pleistocene and living remnant populations of bison were used to study geographic variation and subspeciation of Recent bison. Particular consideration was given to *Bison bison athabasca* and the taxonomic status of the remnant populations of presumed pure wood bison from the Nyralling herd in Wood Buffalo National Park. External characters (standard measurements, weight, outline shape and pelage characteristics) were compared in living forms.  
AL CA EV LS SC

# **Le Système canadien d'aides à la navigation**

Ottawa : Garde côtière canadienne, Direction des aides et des voies navigables, 1990. 39 p. : ill. L'éd. anglaise (*The Canadian aids...*) sur la même fiche. Ill. pliante non filmée. ISBN 0-662-96084-X  
MICROLOG 90-04818 1 fiche

Le système canadien d'aides à la navigation est un système mixte, soit latéral et cardinal. Les aides à la navigation sont des dispositifs ou des ensembles, extérieurs aux navires, établis pour aider le navigateur à déterminer sa position et son cap, pour l'avertir de la présence de dangers ou d'obstacles ou pour le conseiller sur le choix du meilleur trajet ou du trajet préférable. Le document se penche sur la question et examine particulièrement les aides fixes à la navigation; les bouées; les aides radio à la navigation; les publications connexes et les sources.  
CA SC TR

# **Système d'information sur les matières dangereuses utilisées au travail : atelier sur la classification**

Système d'information sur les matières dangereuses utilisées au travail : atelier sur la classification (1988 : Hamilton, Ont.). Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. 165 p. : ill. Bibliogr. L'éd. anglaise (*Workplace Hazardous Materials...*) : 90-01938/2. ISBN 0-660-92632-6  
MICROLOG 90-01949 2 fiche

Ce document présente l'examen des critères, la classification de la substance 1, l'application des critères d'irritation de la peau et des yeux, les articles, la classification de la substance 2, et la classification des produits importés des États-Unis et de la CEE.  
• CA EV HE LA SC

# **Système de broyage et de compaction, phase I**

par J. Girouard. Sainte-Foy, Québec : Centre de recherche industrielle du Québec, 1985. 3 v. : ill. Bibliogr. (Dossier CRIQ ; no 4-3152)  
MICROLOG 90-00380 9 fiche



Présente un projet ayant pour but de démontrer la faisabilité de broyer, compacter et sécher à l'air libre des résidus forestiers afin d'en rationaliser la récupération. Cette première phase est une révision de la littérature concernant les facettes de ce procédé. Y sont aussi examinés les thèmes suivants: le point de la situation; la recherche documentaire; la transformation; la compaction; le séchage; les équipements; et les recommandations.  
FO PR QU SC

### Le Système de gestion des dépenses : nouvelle formule

par G. Schmidt. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 43 p. Bibliogr. (Etude générale; BP-108F) L'éd. anglaise (*The Expenditure management...*) : 90-02613/1. ISBN 0-660-92787-3  
MICROLOG 90-01906 1 fiche

Ce document aborde les sujets suivants: l'évolution du budget des dépenses modernes; le système de gestion des secteurs de dépenses de 1979 à 1984; les problèmes du SGSD; l'évolution du SGSD depuis 1984; et, le remaniement du cabinet pour le deuxième mandat.  
CA CO PA

### Un Système expert pour l'évaluation de la capacité structurale des chaussées

par B. Lefebvre...et al. Montréal : Université de Montréal, Centre de recherche sur les transports, 1990. 10 p. : ill. Bibliogr. (Publication ; no. 701F) L'éd. anglaise (*An Expert system...*) sur la même fiche.  
MICROLOG 90-06424 1 fiche

Cette communication présente la méthodologie qui a servi à la constitution d'une base de connaissances pour un système expert. Ce système aide à l'interprétation, sur place, des résultats fournis par un appareil Dynaflect dont le rôle est d'évaluer la capacité structurale des chaussées. Une large part de cette communication est consacrée à la présentation d'analyses statistiques dont les résultats ont permis la mise en place d'un prototype du système envisagé.  
PR PS QU SC TR

### Le Système intégré d'information pour la gestion de l'habitat du poisson (SIIGHP) de la région du Québec : état du système après la première phase de développement

Y. Vigneault, éd. Québec : Ministère des pêches et des océans, Direction de la gestion des pêches et de l'habitat, Division de l'habitat du poisson, 1990. vii, 36 p. : ill., cartes géogr. (Rapport technique canadien des sciences halieutiques et aquatiques ; no 1744) ISSN 0706-6570  
MICROLOG 90-06632 1 fiche

Ce système a été créé dans le but de répertorier toutes les informations pertinentes sur les caractéristiques physiques et chimiques des habitats côtiers et sur la distribution des principales espèces marines du territoire maritime sous la responsabilité de la région du Québec et de regrouper ces informations dans un système de type géomatique permettant la production rapide et efficace de rapports textuels et cartographiques propres à la gestion de l'habitat du poisson. Ce document décrit l'état du SIIGHP en date du 31 mars 1990, à la fin de la première phase du développement informatique du système d'information.  
FI PR QU SC

### Systèmes d'automatisation de la marche des trains : bibliographie sélective

par Lapp-Hancock Associates Limited ; Conrad

Houghton et Dorothy Rogers, rédacteurs. Montréal : Transports Canada, Groupe des politiques et de la coordination, Centre de développement des transports, 1989. vii, 37 p. Bilingue (*Advanced train control...*). MICROLOG 90-05794 1 fiche

Ce document présente une bibliographie internationale d'ouvrages sélectionnés dans le domaine de l'automatisation de la marche des trains et publiés de 1978 à septembre 1988, la plupart se rapportant au projet ATCS de l'Association of American Railroads. Son principal objectif est la surveillance et le contrôle des trains de marchandises.  
CA SC TR

### Systèmes d'évaluation du rendement policier

par G.J. Carpenter. Ottawa : Collège canadien de police, 1989. 58 p. Bibliogr. (Rapport technique ; 89-1) ISBN 0-662-95557-9  
MICROLOG 90-01230 1 fiche

Cet article a pour but de discuter de questions qui doivent être traitées au cours de la plupart des études sur l'évaluation du rendement. Pour permettre de dresser un tableau complet d'une recherche de cette nature, on y présente les renseignements en deux parties. La première est intitulée 'Considérations préliminaires' et la seconde, 'Conception'. Dans toute organisation, les questions qui demandent d'être débattues commencent par présenter des problèmes. Ce document étudie quelques-unes de ces questions dont notamment: l'escalade des notes; l'ambiguïté des niveaux de description du comportement; le manque de variabilité dans les points obtenus à l'évaluation; le peu de rapport avec l'emploi; le manque de confiance dans le système, de la part de l'employé évalué; la validité discutable; le manque de discernement; et le manque de normes de rendement.  
CA JU LA

### Les Systèmes d'information portuaire dans le monde

par S. Malhotra. Ottawa : Ministère des communications, Direction générale du développement des communications et de la planification, Systèmes d'information portuaire, 1990. vi, 60, v, 56 p. : ill. Bilingue (*Port information systems...*). Sur la couv.: EED : l'échange électronique de données. ISBN 0-662-57193-2  
MICROLOG 90-06956 2 fiche

L'industrie du transport maritime et aérien se tourne de plus en plus vers l'échange électronique de données (EED) pour accroître l'efficacité de ses activités. De par la diversité des intérêts des nombreuses entreprises et organisations qui forment la chaîne des transports, c'est un défi audacieux que d'élaborer un système commun qui satisfasse à toutes leurs exigences. Comme ce rapport l'indique, de nombreux projets sont entrepris dans le monde avec chacun des problèmes différents. Le document se penche particulièrement sur les ports maritimes et fluviaux des Etats-Unis et d'Europe, et sur les aéroports.  
• CA SC TR

### Systemic insecticides for protecting northern spruce and pine seed trees

by W.H. Fogal and V.C. Plowman. Chalk River, Ont. : Canadian Forestry Service, Petawawa National Forestry Institute, 1989. v, 17 p. Bibliogr. (Information report ; PI-X-92) French ed. (*Insecticides systémiques...*) : 90-06801/1. ISSN 0706-1854 ISBN 0-662-17217-5  
MICROLOG 90-00256 1 fiche

The forestry sectors in Canada and the northern US need increasingly larger and genetically improved quantities of northern spruce and pine seed for reforestation. Some seed orchards have already begun to produce

limited quantities of high value, genetically improved seed. Seed orchards require long range programs of tree selection and progeny testing, but at the same time are subject to losses of cones and seeds to insects and other pests. Several systemic insecticides show promise for use against cone and seed insects. This report reviews the trials conducted to find systemic insecticides for control of insects that feed on cones, seeds, and foliage of spruce and pine seed trees. The report also discusses several factors that influence the assessment and efficacy of treatments, such as treatment timing and insect feeding behaviour, uptake, translocation, and metabolism of insecticides; losses of cones and seeds to factors other than insects; and size of the cone crop.  
• CA FO SC

### Le Tabagisme passif : effets sur la santé et solutions en milieu de travail

Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 11 p. Bibliogr. ISBN 0-660-92649-0  
MICROLOG 90-01947 1 fiche

Le tabagisme passif est l'exposition des non-fumeurs à la fumée de tabac. On le désigne également sous le terme d'inhalation involontaire de fumée de tabac présente dans le milieu. Ce n'est que depuis que l'on s'inquiète de ses effets sur la santé que l'on compare les répercussions chez les non-fumeurs. Les données disponibles sur le sujet sont résumées dans ce document sous les quatre rubriques suivantes: fumée de tabac, composition et exposition; signes, symptômes et conséquences possibles de l'exposition; normes et conditions de ventilation pour la fumée de tabac; et politiques et programmes en milieu de travail.  
• CA EV LA SC

### Table alphabétique des décisions et commentaires des orateurs (présidents) de l'Assemblée législative du Québec, 1867-1900

par J. Boucher. Québec : Bibliothèque de l'Assemblée nationale, Division de la recherche, 1984. 48 p. Bibliogr. (Bibliographie et documentation ; 17)  
MICROLOG 90-02056 1 fiche

Tous les débats parlementaires de l'Assemblée législative du Québec qui se sont déroulés au cours du XIXe siècle, c'est-à-dire entre 1867 et 1900, sont maintenant publiés. La Division de la reconstitution des débats s'est chargée d'indexer le contenu des sessions des années 1867-1878, puis s'est occupée de produire et d'établir les tables des comptes rendus des sessions de 1893 à 1900. Ce document comprend un index de participants et de sujets établi selon les intitulés utilisés dans les débats parlementaires.  
PA PR QU

### Tableaux statistiques relatifs aux effectifs scolaires et au personnel éducatif au 30 septembre 1989

Fredonclon : Ministère de l'éducation, 1990. 8 p. CSI 45104.006  
MICROLOG 90-02593 1 fiche

Ce document présente des tableaux statistiques relatifs aux effectifs scolaires et au personnel éducatif en fournissant des renseignements tels: l'effectif des élèves et des enseignants selon l'équivalence temps plein, la répartition, par district et selon les postes; l'effectif des élèves par district scolaire et par niveau; et, le nombre de classes de la 1ère à la 9ème année.  
AP ED PR ST

### Taking aim : the debate on zero inflation

Robert C. York, editor. Toronto : C.D. Howe Institute, 1990. vi, 263 p. Bibliogr. (Policy



study ; no. 10) ISSN 0832-7912 ISBN  
0-8806-256-7  
MICROLOG 90-06677 3 fiche

This document presents an in-depth assessment of the Bank of Canada's zero-inflation policy. It also is a critical peer review of the first study, entitled *Zero Inflation: The Goal of Price Stability*. In this study, the Institute established its position as being in favour of the current stance of Canadian monetary policy. A number of economic commentators, however, disagree with the Bank's policy. The Institute, therefore, convened a workshop in March 1990 to discuss the Bank's policy and the positions laid out by the authors of the study. In this document, a compilation of the papers presented at the workshop, critics of the Bank's zero-inflation policy state their case.  
• CA CO

#### Talc in southeastern Ontario

by P.S. LeBaron and S. Van Haaften.  
Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xxxi, 250 p. : ill., maps. Bibliogr. (Ontario Geological Survey open file report ; 5714) ISSN 0826-9580 ISBN 0-7729-5672-3  
MICROLOG 90-00941 3 fiche

Results of a multi-year study of talc occurrences in southeastern Ontario which began with the cataloguing of all known talc occurrences and field examination of those considered to have the highest potential for significant talc mineralization. Part I of the report provides an introduction to talc as an industrial commodity, describes the geology and possible origins of the 2 main classes of talc deposits (carbonate-hosted and ultramafic-hosted) in southeastern Ontario, and documents the results of beneficiation tests on samples of ultramafic-hosted talc from the study area. Part II contains descriptions of all known talc occurrences in southeastern Ontario. Location maps, geological and historical information, and some geological sketch maps are provided for a total of 54 occurrences.  
• CA NR ON SC

#### Talking books catalogue, 1989

Halifax : Dept. of Education ; Nova Scotia Regional Public Libraries, 1990. 121 p. ISSN 0708-5109  
MICROLOG 90-06021 2 fiche

Lists books alphabetically and provides for each a brief description of the book, the name of the reader, the time; and the book's classification.  
AP ED PR

#### Tan spot of wheat

Regina : Saskatchewan Agriculture and Food ; Saskatchewan Rural Development, 1990. 1 p. (Farm facts) ISSN 0840-9447  
MICROLOG 90-03562 1 fiche

Short description of tan spot of wheat, including losses attributed to the disease, symptoms, disease cycle, and control.  
AG MS PR SC

#### Tank thermal response analysis, phase II : numerical modeling of a tank car under fire conditions

prepared by P.R. Wentzell, A.C.M. Sousa, and J.E.S. Venart ; for Transport Canada, Transportation Development Centre.  
Fredericton : University of New Brunswick, Dept. of Mechanical Engineering, 1989. 158 p. : ill. Bibliogr.  
MICROLOG 90-05801 2 fiche

This report presents a numerical model of the fire-induced heat transfer to and thermohydraulic response of a pressure liquefied gas contained in an horizontal cylinder. The derived model makes a number of assumptions, using vapour superheated and liquid subcooled or saturated, or vapour

saturated and liquid subcooled or saturated. The numerical simulation was validated with the experimental results of an unprotected 1/5 linear scale propane-filled tank. To test the performance of the model, numerical experiments were performed where the fire input and the vapour generation were systematically varied.  
CA PS SC TR

#### Task Force : goals and principles for a new official plan

Toronto : Cityplan '91 Task Force, 1990. ii, 23 p. : ill. On cover: Cityplan '91.  
MICROLOG 90-04809 1 fiche

Since May 1989, a group of 40 Torontonians from many constituencies have met regularly to develop principles to provide a framework for a new official plan for the Central Area. This document is a synthesis of the goals and principles identified by the Task Force and its 3 subcommittees (managing growth, quality of life and social equity) which will provide that guidance. The report covers the natural environment, housing, transportation, built environment and open space, economic development, industry and employment, heritage policies, arts policy, community services and facilities, community empowerment, and public safety.  
MU ON PL SC

#### Task Force on the Criminal Justice System and its Impact on the Indian and Metis people of Alberta : terms of reference

Edmonton : The Task Force, 1989. 6 p.  
MICROLOG 90-02900 1 fiche

This document presents a review of the criminal justice system. It also identifies any problems and proposes solutions to ensure the Indian and Metis people receive fair, just and equitable treatment at all stages of the criminal justice process in Alberta.  
AL JU NP PR

#### Tax expenditures and public policy

by R. Domingue. Ottawa : Library of Parliament, Research Branch, 1988. 6 p. (Mini-review ; MR-27E)  
MICROLOG 90-03322 1 fiche

A tax expenditure is a selective tax measure that favours taxpayers in a given situation or that encourages them to behave in a way deemed desirable by the government. This document discusses the difficulty of definition and the lack of political interest concerning tax expenditures.  
CA CO PA

#### Tax reform in Canada : the process and impact

by A.M. Maslove. Halifax : Institute for Research on Public Policy, 1989. xv, 96 p. : ill. ISBN 0-88645-092-6  
MICROLOG 90-00927 2 fiche

This document contains two papers which address the process of tax reform and its fiscal impacts on families at different levels of income. The first paper, which examines the tax reform process, argues that of the government's three primary objectives in tax reform (efficiency or tax neutrality, equity, and simplicity), concern with efficiency was dominant. The second paper focuses on the concern for tax equity.  
• CA CO PA

#### Taxation and the forestry sector in Canada

by D.W.K. Boulter. Ottawa : Government of Canada, Canadian Forestry Service, Economics Branch, 1984. ix, 113 p. Bibliogr. (Information report ; E-X-33) ISSN 0834-938X ISBN 0-662-13133-9  
MICROLOG 90-01188 2 fiche

Highlights and significant changes in the tax system at all 3 levels of political jurisdiction as they impact on forestry and the forest sector. The report describes the array of taxes that impact on commercial activities in the forest sector, the comparative tax regime a potential investor would face in the U.S., and options for utilizing/amending the tax system to induce more intensive forest management on public and private lands.  
• CA CO FO SC

#### The Taxation of farmers -- Rev.

by T.J. Thomas. Ottawa : Library of Parliament, Research Branch, 1989. 13 p. Bibliogr. (Current issue review ; 88-12E) French ed. (*Le Régime fiscal...*) on the same fiche. ISBN 0-662-13317-2  
MICROLOG 90-01839 1 fiche

Throughout history the importance of agriculture has been recognized and farmers have been accorded a special role in society. Both the House of Commons and the Senate have standing committees devoted to agricultural issues, and marketing boards exist for certain agricultural products. Furthermore, government expenditure and revenue policies often include special provisions for farmers. This review concentrates on such provisions in the Income Tax Act.  
AG CA CI CO PA

#### Taxation statistics, 1989 : analyzing 1987 T1 individual tax returns and miscellaneous statistics

Ottawa : Revenue Canada, Taxation, 1989. 344 p. Bilingual (*Statistiques fiscales de 1989...*). CSI 22173.002. ISBN 0-660-55061-X  
MICROLOG 90-01063 4 fiche

The purpose of this publication is to provide a comprehensive profile of the taxfiling public.  
CA CO PA ST

#### Taxe sur les produits et services : examen du rapport du Comité des finances de la Chambre des communes

par R. Domingue. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 9 p. (Etude générale ; BP-223F) L'éd. anglaise (*Goods and Services...review...*) sur la même fiche. ISBN 0-660-92877-9  
MICROLOG 90-05349 1 fiche

Le 8 août 1989, le ministère des Finances publiait un document technique longuement attendu au sujet de la taxe sur les produits et services (TPS). Il proposait de remplacer la taxe fédérale de vente (TFV) par une imposition de 9 p. 100 du type taxe à la valeur ajoutée, applicable à une vaste gamme de produits et services. Ce document porte sur cette question et fait l'examen du rapport du comité des finances de la chambre des communes.  
CA CO

#### Taxe sur les produits et services : notes explicatives du projet de loi C-62 adopté par la Chambre des communes le 10 avril 1990

Ottawa : Ministère des finances, 1990. xxvii, 292 p. L'éd. anglaise (*Goods and Services...explanatory...*) : 90-04986/3.  
MICROLOG 90-04988 4 fiche

Afin de mettre en oeuvre la taxe sur les produits et services (TPS), le projet de loi C-62 propose des modifications législatives à sept lois fédérales. Les principales modifications touchent la Loi sur la taxe d'accise dont les dispositions permettront d'imposer, de percevoir et d'appliquer la TPS. Les modifications dont les six autres lois font l'objet découlent de l'instauration de la TPS. Ce document se penche sur la question et fournit des notes explicatives.  
CA CO



**La Taxe sur les produits et services : commentaires sur le document de technique**

par M. Wrobel. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 30 p. Bibliogr. (Etude générale ; BP-212F) L'éd. anglaise (*The Goods and Services...comments...*) sur la même fiche. ISBN 0-660-92866-3  
MICROLOG 90-05359 1 fiche

Ce document traite de quelques questions liées à la TPS, telle que décrite dans le document technique publié par le ministre des Finances en août 1989. Il sera question des incidences de divers aspects que le Ministère juge désormais réglés, ainsi que d'autres aspects qui restent encore en suspens.  
CA CO PA

**La Taxe sur les produits et services : perspective provinciale**

par R. Domingue. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 20 p. (Etude générale ; BP-210F) L'éd. anglaise (*The Goods and Services...provincial...*) sur la même fiche. ISBN 0-660-92864-7  
MICROLOG 90-05357 1 fiche

La réforme des taxes à la consommation est toujours difficile dans un régime politique fédéral, car le même système de taxation est généralement présent à plus d'un niveau de gouvernement. Ce document examine les préoccupations constitutionnelles, politiques et fiscales des provinces qui prélèvent des taxes sur les ventes au détail relativement au projet de taxe fédérale sur les produits et services.  
CA CO PA

**Taxi safety shields : report and recommendations**

Manitoba. Safety Shields Task Force. Winnipeg : Taxicab Board, 1990. 58 p. : ill. MICROLOG 90-06239 1 fiche

With three murders in a population of about 1500, over the past four years, the annual work related homicide rate for Winnipeg cab drivers has been 50 per 100,000. This document assesses the value of using safety shields in cabs.  
LA MS PR SC TR

**Taxonomic position of the genus *Neoheterobothrium* Price, 1943 Monogenea, *Diclidophoridae* in connection with the description of the new species *N. syaii* sp.n.**

by Y.L. Mamaev. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 8 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5331) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-02096 1 fiche

The paper describes a new species *Neoheterobothrium syaii* sp.n. found on the righteye flounder in the Gulf of Mexico; gives a new, more precise diagnosis of the genus *Neoheterobothrium* Price, 1943 (as a member of the subfamily Choricotylinae); validates the erection of the new genus *Neodidophora* gen. n. (as a member of the subfamily *Diclidophorinae*) for the species *Diclidophora pugetensis* Robinson 1961 (syn. *Neoheterobothrium pugetensis*), and discusses the circumstances that have led to the confusion regarding the taxonomic position of the genus *Neoheterobothrium*.  
• CA CF FI LS SC

**TC Aviation Forecasts Conference : proceedings**

Canadian Aviation Forecast Conference (2d 1986 : Ottawa-Hull). Ottawa : Transport Canada, Policy and Coordination, Air Statistics

and Forecasts, 1986. 143 p. : ill. MICROLOG 90-04094 2 fiche

The general theme of this conference was the outlook for the industry in the coming decade. These proceedings cover the economic, demographic and policy outlook and the outlook for air carriers, general aviation, and new technology. Transport Canada aviation forecasts are also given.  
CA CO SC TR

**Le TCNA au Canada : les concepts, les déterminants et les estimations**

par D.E. Rose. Ottawa : Banque du Canada, 1988. ii, 56 p. : ill. Bibliogr. (Rapport technique ; 50)  
MICROLOG 90-02066 1 fiche

Cette étude passe en revue les déterminants du taux de chômage non accélérationniste (TCNA), les raisons de ses variations possibles au fil du temps et les diverses méthodes qui ont servi à le mesurer. Les déterminants en question sont les suivants, les facteurs qui influencent la décision des gens de faire partie de la population active et d'occuper un emploi, tels que les effets de l'assurance-chômage; certains aspects de la composition de la main-d'œuvre, comme l'âge et le sexe; des facteurs particuliers ayant trait à l'offre, comme le rôle des syndicats; et, des facteurs structurels transitoires, comme les réactions aux variations importantes des prix relatifs. L'étude comprend également une synthèse des récents travaux effectués au département des Recherches sur le TCNA. Les estimations et les méthodes qu'elle expose sont comparées avec celles d'autres chercheurs.  
CA CO PA

**Teacher education in Ontario : current practice and options for the future**

by M.G. Fullan...et al. Toronto : Ministry of Colleges and Universities ; Ministry of Education, 1990. vii, 117 p. : ill. French ed. (*La Formation des enseignants...*) : 90-06081/2. ISBN 0-7729-3784-2  
MICROLOG 90-06080 2 fiche

Presents a brief history of preservice teacher education as background to a description of present teacher education in Ontario, and a preliminary analysis of the major issues of the report. It also sets out a perspective for thinking about teacher education, and discusses the importance and characteristics of schools as places of professional development. Finally it presents the Steering Committee's proposals.  
ED ON PR

**Teaching and learning biology in Kenya**

by C. Namuddu. Ottawa : International Development Research Centre, 1989. 3 v. : ill. Bibliogr. (Manuscript report ; 223e) Contents: Vol. 1 : *Educating the elite harmony and conflict* -- vol. 2 : *Teacher participation in research for professional growth* -- vol. 3 : *Backbenchers as pacesetters : a small price for individualism*. MICROLOG 90-00272 4 fiche (Available on fiche only)

This research study was part of a larger project on teaching and learning biology in Kenya which aimed to identify practices which take place in schools and classrooms, and to understand the implications of teachers' and students' perceptions for school achievement and acquisition of general positive behaviour. Volume 1 of the study looked at how heads of schools, teachers and students viewed the goals of education at school and within the broader society; and sought to understand how the educators actualized the purpose of schooling in relation to their definition of the purposes of education. Volume 2 involved discussion, interviews and reflection among 4 teachers with the general goal of getting them

to clarify perceptions of their work. Volume 3 documented one teacher's instructional techniques to determine whether or not the teacher's general beliefs, based on notions of the uniqueness of individuals, were translated into the conduct of the teaching-learning process; and if so, in what ways.  
CA ED EX LS

**Technical and operating manual : Toxics Deposition Monitoring Program : report**

by M.N. Shackleton. Toronto : Environment Ontario, Air Resources Branch, 1990. iv, 81 p. : ill. ISBN 0-7729-7009-2  
MICROLOG 90-06973 1 fiche

It is now well established that long range transport followed by deposition is a major pathway for the entry of toxic substances to the Great Lakes. Since 1987, polychlorinated biphenyls (PCBs), selected chlorinated pesticides, trace metals, dibenzodioxins and dibenzofurans and PAH in air samples have been monitored in the Great Lakes. Methods are also being developed for many of the non-chlorinated pesticides. This report documents the current status of instrumentation, sample handling and collection procedures, and the field data reporting and documentation requirements to monitor for all the target substances except trace metals. Development of the sampling procedures was based on guides, journal articles, reviews, internal correspondence and the experience of network operatives. The procedures are designed to include specific quality control checks  
EV ON PR SC

**A Technical and operational comparison of geographic information systems as applied to the Canadian forest industry**

Reid, Collins and Associates. S.I. : Forest Resource Development Agreement, 1989. iii, 68 p. : Bibliogr. (FRDA report ; 089) ISSN 0835-0752 ISBN 0-662-17179-9  
MICROLOG 90-04433 1 fiche

From December 1988-January 1989, a technical and operational comparison of Geographic Information Systems as applied to the Canadian forest industry was conducted. Of 84 surveys sent out, 46 were returned complete. Trends and directions in this technology were identified through vendor and user interviews. Results are given relating to support, spatial and nonspatial system overview, user interface, data entry/loading, data editing/manipulation, and data analysis/output. Trends and directions in computer hardware, computer operating systems/environment, artificial intelligence, remote sensing and image analysis, and management science are given.  
• BC CA FO PR PS SC

**Technical Committee for the Long-Range Transport of Atmospheric Pollutants in Western and Northern Canada : Annual report 1987**

Edmonton : The Committee, 1988. viii, 38 p. CSI 38179.001  
MICROLOG 90-03742 1 fiche

In December 1982, the Committee, containing representatives from the federal government and the environment ministries of B.C., Alberta, Saskatchewan, Manitoba, and the Northwest Territories, launched a research program to identify current conditions in western Canada and provide the information necessary to develop management strategies. This annual report gives a history, current status and future activities of the Committee as a whole, then presents details of the programs of each of the governments in emission and control technology, air quality and deposition, surface water, soils and geology, vegetation and health. Jointly managed activities and industry and institutional activities are also detailed, along



with tables of the annual deposition of wet sulphate at sampling stations in Western Canada. A glossary is included, as well as with the priorities for coordinated research and monitoring from 1985-88.  
• CA EV SC

# **Technical Committee for the Long-Range Transport of Atmospheric Pollutants in Western and Northern Canada : Annual report 1988**

Edmonton : The Committee, 1989. v, 33 p. Bibliogr. CSI 38179.001.  
MICROLOG 90-02921 1 fiche

In 1980, the deputy ministers of the provinces of B.C., Alberta, Saskatchewan and Manitoba and senior officials from Environment Canada agreed to cooperate on issues related to the long range transport of air pollutants (LRTAP). In 1982, the Government of the Northwest Territories joined the consultative committees and a 3-year program was begun to identify current conditions and to provide information for developing management strategies. A third agreement was signed in 1988. This report presents a summary of the monitoring and research activities carried out during 1988 by each provincial and the federal government. Summaries are also given of jointly managed activities and industry and institution activities. Major monitoring activities include sulphate and nitrate deposition rate in precipitation, characterization of total deposition (wet vs dry), quality of sensitive surface waters and terrestrial environments; and characterization of the role of nitrate, ammonia, and metals deposition. The validation of mathematical models to assist in management strategies is also continuing.  
AL BC EV MS NO PR SC

# **Technical reports on potatoes, 1988**

Fredericton : Dept. of Agriculture, Potato Centre, 1988. 109 p. : ill. Bibliogr. Bilingual (*Rapports techniques sur les pommes ..*)  
MICROLOG 90-01156 2 fiche

Covers various topics including the 1988 growing season, effect of seed type and spacing on yield of désirée cultivar seed potatoes; nitrogen rate and harvest date on yield of potato cultivar shepody; shepody agronomic practices survey; russet norkotah management and evaluation trial for tablestock count trade production; evaluation of row floating covers; and the effect of seed spacing and irregular in-row spacing on shepody yield  
AG AP PR SC

# **Technical reports on potatoes, 1989 : vol. 2**

Fredericton : Dept. of Agriculture, Potato Centre, 1990. 123 p. : ill., maps. Bibliogr. Bilingual (*Rapports techniques sur les ..*)  
CSI 45101.005  
MICROLOG 90-07085 2 fiche

Second report on applied research, surveys and demonstrations dealing strictly with potato production in New Brunswick. The reports covers growing conditions, pest control, and the cultivation of different varieties.  
AG AP PR SC

# **Technical Seminar on Chemical Spills : proceedings**

Technical Seminar on Chemical Spills (7th : 1990 : Edmonton, Alta.). Ottawa : Environment Canada, Conservation and Protection, Environmental Protection, Technology Development Branch, 1990. iii, 259 p. : ill., maps. Bibliogr. ISBN 0-662-57534-2  
MICROLOG 90-05341 3 fiche

Papers presented in sessions devoted to fate and behaviour of both oil and chemical spills, using computer models; spill countermeasures on both Atlantic and Pacific coasts and in Jamaica, safety and analytical measures in the

U.S. and Canada, and the spill priority list and regulatory responses. Abstracts are given for some papers.  
• CA EV SC

# **Les Techniques de contrôle de l'amiante dans les bâtiments**

par C. Millet. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1985. 9 p. Bibliogr. ISBN 0-660-91608-8  
MICROLOG 90-00397 1 fiche

Le document explique les différentes étapes à observer lors de l'établissement d'un programme de contrôle de l'amiante dans les immeubles. Plus spécifiquement, les deux méthodes de contrôle, encapsulation et enlèvement, sont décrites dans le cadre particulier du contrôle de l'amiante dans les immeubles occupés.  
• CA EV LA PL SC

# **Techniques for preparing plant tissues for optical and scanning electron microscopy**

by S.E. Keates, D.A. Draper and C.D.B. Hawkins. S.I. : Forest Resource Development Agreement, 1990. vii, 22 p. Bibliogr. (FRDA report ; 104)  
ISSN 0835-0752 ISBN 0-7726-1079-7  
MICROLOG 90-06812 1 fiche

This manual describes dissecting, preserving, observing, and archiving plant tissues in general and white spruce apical buds in particular for conventional light microscope and scanning electron microscope examination. In addition to presenting appropriate microtechniques, the formulation of processing solutions, and the costs of associated materials, the manual provides background information and the reasons behind each operation.  
• BC CA FO SC

# **Techniques for the gas chromatography-mass spectrometry identification of organic compounds in effluents -- Rev.**

by R.E. Clement and V.Y. Taguchi. Toronto : Environment Ontario, 1989. ii, 38 p. : ill. Bibliogr. ISBN 0-7729-5983-8  
MICROLOG 90-01196 1 fiche

The Municipal/Industrial Strategy for Abatement (MISA) is a program of the Ontario Ministry of the Environment designed to reduce pollution entering the environment through aqueous discharges. This report describes the system used to identify non-target organic compounds for the MISA program by using gas chromatography-mass spectrometry (GC-MS) data. The report covers the basic principles of GS-MC and of organic compound identification, and the criteria for the characterization of organics in effluents.  
EV ON PR PS SC

# **Techno-economic feasibility study for a small scale Portland cement plant in northern Canada : final report**

Hardy BBT Limited. S.I. : The Corporation, 1989. ii, 163 p. : ill. CANMET contract: 89008-01-SQ  
MICROLOG 90-05645 2 fiche

The majority of economic activities requiring the use of Portland cement are currently in Yukon and the western part of the NWT. The study therefore focused on the feasibility of a small scale Portland cement operation to satisfy the market in this area. The study defines the current uses, major users and suppliers of Portland cement and how current users' needs are met; predicts the resource needs, transportation methods and price requirements of current and potential users from 1980-2000, assesses the potential for the small scale vertical kiln technology or alternative to meet these requirements on a cost competitive basis, indicating the sources of raw materials, supply

methods and cost (capital and operating) needed for such a venture, and any drawbacks to applying this technology or alternatives; and describes the optimum conditions under which the small scale vertical kiln technology or alternatives can be applied to meet the current or predicted Portland cement requirements.  
• CA CM NO NR SC

# **Technological innovation in residential construction and production of housing using non-traditional methods**

Quebec : Gouvernement du Québec, Société d'habitation du Québec, Direction de l'analyse et de la recherche, 1988. 48 p. Bibliogr. ISBN 2-550-19280-X  
MICROLOG 90-02522 1 fiche

Document dealing with technological changes in the housing sector in Quebec and elsewhere, as well as providing an overview of the construction industry in Quebec and the real threats posed by foreign competition and the small degree of concerted action in research and development in the residential construction sector. Developments in the US, Japan and Sweden are also considered.  
PL PR PS QU SC

# **Technological properties of fish ensilage**

by K. Prytz and E. Stenberg. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 53 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5368) Originally published in Norwegian, by F.T.F.I. the Research Institute for Fisheries Research, in Norway. ISSN 0704-3716  
MICROLOG 90-01498 1 fiche

The growth of the aquaculture industry in Norway has been very strong and there is evidence this growth will continue in the future, leading to the need for a new, cheaper, and nutritionally correct source of feed for farmed fish. The dominant feeds for farmed salmon are dry pellets and frozen capelin. In the last few years, questions have been raised about the solubility of the dry feed in the intestines of fish and its high content of polysaccharides, which could damage the liver of the fish. This report describes the ensilage of industrial fish while preserving the consistency characteristics of the ensilage, so that it can be used as fish farm feed without having to add considerable amounts of polysaccharides.  
• CA CF FI SC

# **Technological survey in the field of net and rope materials**

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 6 p. (Canadian translation of fisheries and aquatic sciences ; no. 5186) Originally published in Danish, by the Danish Institute of Fisheries Technology in Denmark. ISSN 0704-3716  
MICROLOG 90-00099 1 fiche

In September 1983, a study was begun of patents and related on-line databases, as well as an investigation of the rope product Danline, a Norwegian product produced under Japanese licence. This report details the steps taken in the investigations.  
• CA CF FI SC

# **La Technologie, le rôle des sexes et le pouvoir en Afrique**

par P. Stamp. Ottawa : Centre de recherches pour le développement international, 1989. x, 213 p. Bibliogr. (Etude technique ; 63f) ISBN 0-88936-537-7  
MICROLOG 90-05979 3 fiche

Ce document porte sur l'étude des rapports des sexes et le pouvoir de la femme qui sont au coeur de l'évaluation des efforts de développement en Afrique. On y examine les points suivants: les différentes perspectives



dans lesquelles le sujet a été étudié; la critique des perspectives des études africaines, des études des femmes, des études sur le développement et des perspectives utiles; les résultats de la recherche sur la femme africaine pour déterminer les facteurs qui la rendent impuissante et la défavorisent ou créent les conditions favorables à sa participation autoritaire au développement; les questions et les interrelations qui n'ont pas encore été étudiées; et, les perspectives dans lesquelles placer les futures études sur la femme et la technologie en Afrique.  
CA EX JU SA

### Technologies de l'information : capacité d'adaptation des entreprises et libéralisation des échanges

par Y. Rabeau. Laval, Québec : Ministère des communications du Canada, Centre canadien de recherche sur l'informatisation du travail, Direction de la recherche organisationnelle, 1989. i, 21 p. Bibliogr. Texte préparé dans le cadre de la conférence *Vision technologique 89. L'éd. anglaise (Information technologies...)* : 90-07049/1. ISBN 0-662-96169-2  
MICROLOG 90-07008 1 fiche

Ce document est une version d'une conférence présentée au colloque sur la technologie et le libre-échange organisé par la Chambre de commerce de Laval en collaboration avec le Centre canadien de recherche sur l'informatisation du travail. Il se penche particulièrement sur les points suivants: la vue d'ensemble; les technologies de l'information, la productivité et le libre-échange; la seconde révolution télématique et le libre-échange; et, les défis de la concurrence.

• CA SC TE

### Technologies optiques : le CD-ROM et autres disques compacts, caractéristiques, production et marché -- Rév.

par J.V.T. Knoppers et M. Simoneau. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1988. ii, 46 p. : ill. Bibliogr. *L'éd. anglaise (Optical technologies...)* : 90-05468/1. ISBN 0-662-95191-3  
MICROLOG 90-05465 1 fiche

Les nouvelles technologies optiques sont en voie de révolutionner l'industrie de l'information et de la diffusion de l'information. Ce document a pour but d'initier le lecteur aux technologies optiques (en présentant les principaux aspects de ce nouveau secteur de l'industrie de l'information); d'informer les utilisateurs et entrepreneurs potentiels des possibilités qu'offrent les disques compacts et des marchés cibles; et, de générer des échanges d'idées en vue de favoriser des ententes de collaboration et d'aider à la définition de nouveaux éléments de recherche. De plus, le document présente une vue d'ensemble des technologies optiques sur: les disques compacts (aspects techniques); les étapes de production à un CD-ROM; et, le marché des technologies optiques.  
CA PS SC TE

### The Technology engine in community economic development : proceedings

National Technology Policy Roundtable : Manitoba workshop (1989 : Winnipeg, Man.). Winnipeg : Winnipeg Business Development Corporation ; Manitoba Industry, Trade and Tourism, 1989. 57 p. : ill.  
MICROLOG 90-02286 1 fiche

Proceedings from a workshop held to create a dialogue amongst organizations concerned with the development and use of science and technology and to provide input to the national roundtable organized by the Science Council of Canada, the Canadian Advanced Technology

Association and the Canadian Chamber of Commerce. Each panel was to assess the Manitoba community's complex of institutions, skills, networks, resources and attitudes necessary to foster technological dynamism and to map out future directions. The panels were organized into 5 groups to identify the mechanisms to develop growth poles to create technological enterprise; review the necessary infrastructure for the development and diffusion of technology to broaden and deepen the technological base; determine the roles and responsibilities for gearing up the technology engine, determine the requirement for economic development planning for science and technology; and review the requirements to build a technology network.  
CO MS PR PS SC

### Technology Transfer Conference, 1987 : keynote and feature presentations

Technology Transfer Conference (1987 : Toronto, Ont.). Toronto : Ministry of the Environment, 1989. 96 p. : ill., maps. Bibliogr. ISSN 0825-4591  
MICROLOG 90-00022 2 fiche

Compilation of the keynote and feature presentation papers and abstracts, covering research in air quality, water quality, liquid and solid waste, analytical methods, and environmental economics in Canada and the U.S.

EV ON PR PS SC

### Technology Transfer Conference, 1989 : environmental research : proceedings, vol. I

Technology Transfer Conference (1989 : Toronto, Ont.). Toronto : Environment Ontario, Research and Technology Branch, 1989. 474 p. : ill. Bibliogr. ISSN 0825-4591  
MICROLOG 90-03626 6 fiche

Environment Ontario holds its annual technology transfer conference to report and publicize the progress made on Ministry-funded projects. These studies are carried out in Ontario universities and by private research organizations and companies. Vol. I is comprised of presentations given during Sessions A and B of the conference, as well as all feature presentations on air quality, water quality, liquid and solid waste, analytical methods, and environmental socio-economics. Session A covers air quality research and Session B covers water quality research, both verbal and poster presentations.

EV ON PR PS SC

### Technology Transfer Conference, 1989 : environmental research : proceedings, vol. II

Technology Transfer Conference (1989 : Toronto, Ont.). Toronto : Environment Ontario, Research and Technology Branch, 1990. 458 p. : ill. Bibliogr. ISSN 0825-4591  
MICROLOG 90-03625 6 fiche

Environment Ontario held its annual technology transfer conference to report and publicize the progress made on Ministry-funded projects. These studies are carried out in Ontario universities and by private research organizations and companies. Vol. II includes presentations given during Session C, D and E of the conference, covering the topics of liquid and solid waste, analytical methods, and environmental socio-economics. Both verbal and poster presentations are included.

EV ON PR PS SC

### Teenage pregnancy in Manitoba : a statistical report

Winnipeg : Manitoba Health, Maternal and Child Health, 1989. 20 p. : ill. CSI 42221.200.  
MICROLOG 90-02932 1 fiche

The purposes of this report are to describe the incidence of teenage pregnancy and to serve as a guide for the planning of programs and service delivery to this population. This is primarily a statistical report based on available data.

CI HE MS PR SA ST

### Telecommunications

Edmonton : Alberta Technology, Research and Telecommunications, 1988. 30 p. : ill. MICROLOG 90-05851 1 fiche

Pamphlet giving an overview of the province's efforts in developing the telecommunications sector. After an explanation of what is involved in the area, the achievements of the government are summarized, along with the research being conducted. A directory of selected companies involved in the field, along with their areas of expertise, is also included.  
AL PR PS SC TE

### Telemarketing 1990 : a report on telemarketing as an industrial development opportunity for New Brunswick

Fredericton : Dept. of Commerce and Technology, 1990. 46 p. : ill. MICROLOG 90-03784 1 fiche

In the summer of 1989 a working group was formed of employees from the provincial Department of Commerce and Technology and NBTEL. The task of the group was to: determine the key locational factors affecting telemarketing development; assess New Brunswick's comparative advantages in these factors; and recommend specific initiatives, where appropriate, to pursue telemarketing investment in the province. This report describes the methodology, findings, and recommendations of the working group.  
AP CO PR TE

### La Télématique à la recherche de son humanité

par M. Zajac. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1989. 30 p. Bibliogr. *L'éd. anglaise (Social applications...)* : 90-05459/1. ISBN 0-662-95443-2  
MICROLOG 90-05458 1 fiche

Cet article présente les résultats d'un projet expérimental portant sur l'exploitation d'un service télématique de communication et d'entraide. Ce service nommé Présence a été élaboré à l'origine en France, comme une première application médico-sociale du système Mintel. L'objectif du service est de constituer des réseaux de solidarité pour des groupes d'intérêt, fonctionnant par l'intermédiaire d'un terminal informatique, relié à un ordinateur central au moyen d'une ligne téléphonique régulière. Les résultats sont interprétés à la lumière des théories de la perspective communautaire, des modèles de la communication interpersonnelle et de l'utilisation de l'ordinateur dans la relation d'aide.  
CA PS SC TE

### La Télématique en question

par A. Martin...et al. Québec : Gouvernement du Québec, Ministère des communications, Direction générale des technologies de l'information, 1989. 49 p. ISBN 2-550-20127-2  
MICROLOG 90-01120 1 fiche

La télématique désigne l'ensemble des services et des techniques qui combinent les moyens de l'informatique et ceux de télécommunications. Le document porte sur ce domaine et regroupe cinq types de services: les services d'information, de communication, de transaction, de prestation, et de télécontrôle et télésurveillance.  
PR QU SC TE



**Telemetric studies of winter steelhead, Gold River, 1982-83**

by R.S. Hooton and M.G. Lirette. Victoria : Ministry of Environment and Parks, 1986. ii, 25 p. : ill. Bibliogr. (Fisheries management ; no. 86) ISSN 0705-5390 ISBN 0-7726-0485-1  
MICROLOG 90-00636 1 fiche

Vancouver Island steelhead streams are short, small and readily accessible to anglers. Winter steelhead enter these streams between November and May and often reside for several months before spawning, leading to intense angling pressure and a decline in stocks. Regulatory changes were considered necessary to reverse observed declines and a process of evaluating their efficiency was required. Gold River, the leading wild winter steelhead producer on Vancouver Island, was selected to initiate telemetric studies to examine the in-stream movement of winter steelhead in relation to timing of immigration into the river; to assess the relative vulnerability of early (December/January) vs late (March/April) immigrant winter steelhead to angling; to determine the spatial and temporal distribution of tagged steelhead spawners, to examine the post-tagging behaviour and survival of tagged winter steelhead; and to assess the efficacy of estimating winter steelhead stock sizes using the mark and recapture technique.  
BC FI LS PR SC

**Les Témoins archéologiques du fort Chambly**

par P. Beaudet et C. Cloutier. Ottawa : Parcs Canada, Direction des lieux et des parcs historiques nationaux, 1989. 125 p. : ill., cartes géogr. Bibliogr. (Études en archéologie, architecture et histoire) L'éd. anglaise (*Archaeology at Fort Chambly*) : 90-03312/2. ISSN 0821-1035 ISBN 0-660-92676-8  
MICROLOG 90-06405 2 fiche

Cette étude a pour but de présenter les résultats de la recherche archéologique menée par le Service canadien des parcs au fort Chambly. Pour ce faire, les divers rapports préliminaires rédigés au fil des années ont été dépouillés afin d'en extraire la substance allégée des nombreuses données techniques. Les chapitres de cette étude portent principalement sur les premières occupations du site, sur l'évolution architecturale et fonctionnelle du fort de pierre et sur les résultats des recherches relatives à la culture matérielle. S'y retrouvent aussi, pour orienter le lecteur, une présentation du site, un rappel historique et un chapitre sur les circonstances, la nature et le rôle des interventions archéologiques.  
CA CU QU

**Temperature studies in the braking region of the Gieseler Plastometer**

by J.T. Price and T.A. Lloyd. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1976. 3 p. (Report ; ERP/ERL 76-90(TR))  
MICROLOG 90-04500 1 fiche

Concern has arisen with regard to temperature fluctuations within the brake of the Gieseler Plastometer during operation. This paper reports on the results of placing a thermocouple in various positions on the brake to measure temperature increases and to examine the effects of temperature upon the rate of rotation of the shaft.  
● CA CM EN PS SC

**Temperature-induced gametogenesis in the Yezo scallop**

by G.I. Viktorovskaya and V.V. Yevdokimov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 9 p. (Canadian translation of fisheries and aquatic sciences ; no. 5427) Originally published in Russian, at Moscow,

U.S.S.R. ISSN 0704-3716  
MICROLOG 90-01519 1 fiche

The reproductive cycle of the Yezo scallop is equal to one year in the Peter the Great Gulf. During this period, the growth rates of the sex cells vary significantly, mainly under the influence of the temperature. This study established the dependence of the reproductive process, and the physiological activity of the species as a whole, on the temperature of its environment when sex cells capable of maturing are present in the gonad. The experiments were carried out to obtain (sooner than under natural conditions) mature sex cells in scallops that had already spawned, and to confirm their viability. The experiments were carried out in aquariums with running water in which the temperature was controlled automatically, using 95 2-3-year-old scallops in 3 experiments lasting 21-66 days in autumn, winter and spring.  
● CA CF FI SC

**Temporal statistics of low-angle ground clutter**

by H.C. Chan. Ottawa : Defence Research Establishment Ottawa, 1989. x, 38 p. : ill. Bibliogr. (Report ; no. 1021)  
MICROLOG 90-04045 1 fiche

Ground-based surveillance radars employ a variety of signal processors of varying degree of sophistication to combat ground clutter. One of the important performance requirements is false alarm rate regulation. In order to maximize the probability of target detection while maintaining an acceptable false alarm rate, the detection threshold setting must be determined optimally, requiring a detailed knowledge of the temporal statistics of clutter. This study analyzes experimental data to characterize the temporal statistics of low-angle ground clutter in terms of the clutter's linear amplitude distribution, as well as the effects of radar frequency, polarization, waveform resolution, land covers and wind speed on the clutter statistics.  
CA PS SC TE

**Temporary operating instructions for the use of the instrument sonde-bathometer**

by E.A. Sobchenko. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 24 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5399) Originally published in Russian, by the State Oceanographical Institute, at Odessa, Russia. ISSN 0704-3716  
MICROLOG 90-01510 1 fiche

The sonde-bathometer is designed to measure temperature, electroconductivity, salinity and hydrostatic pressure. Trials were carried out on weather ships and indicate that the instrument can and should be introduced quickly into the general practice of oceanography. These instructions are temporary in that, as the introduction of the instrument continues, they will be refined and improved. The paper covers the characteristics and operating conditions and conversion of read-outs to physical parameters.  
● CA CF PS SC

**Temps et société**

sous la direction de Gilles Pronovost et de Daniel Mercure. Québec : Institut québécois de recherche sur la culture, 1989. 258 p. Bibliogr. (Questions de culture ; 15) ISSN 0229-6829 ISBN 2-89224-123-5  
MICROLOG 90-01965 3 fiche

Par 'temps social' on désigne généralement la nature et les rapports entre les divers modes d'activités dans le temps considérés selon leurs durées et leurs rythmes propres, de même que les différentes manières de concevoir et de se représenter le temps au sein de nos

univers sociaux. Une telle notion met également en relief les différents procédés de structuration de ces composantes selon les sociétés. Ce document aborde particulièrement la transformation des rapports entre les temps, et les institutions et le temps.  
BS CU PR QU

**Tendances des effectifs de canards nichant dans l'ouest du Canada, 1955-89**

par K.M. Dickson. Ottawa : Service canadien de la faune, 1989. 10 p. : ill. Bibliogr. (Cahiers de biologie ; no 186) L'éd. anglaise (*Trends in sizes...*) : 90-03255/1. ISSN 0703-0967 ISBN 0-662-95848-9  
MICROLOG 90-06275 1 fiche

L'évolution des populations de canards est surveillée tous les ans depuis 1955 dans un habitat de nidification couvrant près de 3,6 millions de km carrés. Les résultats de ces relevés fournissent des renseignements sur l'abondance et la répartition des populations de canards ainsi que sur les modifications de l'habitat, et ils constituent une base pour la gestion de la majorité des espèces de canards. Ce document donne des renseignements sur les tendances des effectifs de canards nichant dans l'ouest du Canada entre 1955 et 1989.  
● CA EV LS SC

**Tendencias en educación y trabajo en América Latina : resultados de un seminario regional**

Daniel A. Morales-Gómez y María Antonia Gallart, editores. Ottawa : Centro internacional de investigaciones para el desarrollo, 1989. 155 p. : ill. Bibliogr. (Informe ; 226s)  
MICROLOG 90-00359 2 fiche (Available on fiche only)

Abstract unavailable for this document.  
CA ED EX LA

**Tensile strengths of Montauban mine rocks**

by M.C. Bétournay, C. Lee and M. Little. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1987. iv, 32 p. : ill. Bibliogr. (Report ; MRL 87-189(TR))  
MICROLOG 90-02551 1 fiche

Tensile strength tests were performed on Montauban gold mine rocks (gneisses), originating from various stope hanging walls. Beam tensile tests were adopted to obtain results representative of field conditions and useable in various stability analyses. Brazilian tensile tests were also performed for scientific comparison to beam test results.  
● CA CM NR PS SC

**Termes et définitions relatifs à l'étude des sédiments**

par M.A. Cashman. Ottawa : Environnement Canada, Direction des ressources en eau, Direction générale des eaux intérieures, Division des relevés hydrologiques du Canada, Section de l'étude des sédiments, 1989. vii, 22 p. Bibliogr.  
MICROLOG 90-02380 1 fiche

Ce document se veut une compilation de termes et de définitions utilisés dans les divers bureaux de la Division des relevés hydrologiques du Canada. Au nombre des sujets traités, on y retrouve, entre autres, le processus d'érosion des sédiments, la sédimentation dans les cours d'eau, les lacs et les réservoirs, le transport solide ainsi que des termes reliés aux ressources en eau de surface.  
CA EV PS SC

**Termes fiscaux, financiers et administratifs**

Ottawa : Bureau des traductions. Direction



générale de la terminologie et de la documentation, 1978. iv, 284 p. (Bulletin de terminologie ; 154) *Bilingue* (Administrative, financial and...). ISBN 0-660-01684-2 MICROLOG 90-04743 3 fiche

Ce document constitue la deuxième édition, revue et améliorée, du glossaire anglais-français des termes fiscaux, financiers et administratifs en usage au ministère du Revenu national, Impôt, dans les domaines suivants: fiscalité, finance (économique, commerce, bourse, etc.), administration (personnel, gestion, griefs, syndicalisme, etc.), et informatique. Il s'agit d'un instrument de travail spécialisé qui n'a pour objet que d'aider à employer la terminologie propre au Ministère. CA CO PA

### Terminologie canadienne de l'assistance au développement

Ottawa : Secrétariat d'Etat du Canada, Bureau de la traduction, Direction générale des opérations de traduction, 1990. xv, 106 p. *Bilingue* (Canadian development assistance...). ISBN 0-662-57278-5 MICROLOG 90-04741 2 fiche

En mettant fin à son isolement, la Chine a ouvert ses portes à un véritable déferlement de techniques et de produits, mais aussi de gens et d'idées. Interprètes et traducteurs se voient contraints de faire oeuvre de création pour aider au passage de nouveaux concepts dans une langue qui ne se prête guère aux emprunts directs. Ce document présente un vocabulaire anglais-français-chinois, ainsi qu'un index de la terminologie canadienne de l'assistance au développement. CA EX

### Terminologie de l'administration municipale

établie par Noella Richard ; revue et augmentée par Catherine A. Bowman, Hélène Tremblay et Lois Vincent. Ottawa : Bureau des traductions, Direction générale de la terminologie et des services linguistiques, 1981. viii, 132, viii, 134 p. (Bulletin de terminologie ; 168) *Bilingue* (Municipal administration terminology). MICROLOG 90-02986 3 fiche

Ce document présente sept vocabulaires qui portent sur l'administration publique et qui visent à faciliter la rédaction et la traduction des lois, des règlements et des autres documents. On y présente le vocabulaire, la liste des sources, la bibliographie de l'administration municipale et la liste des bulletins de terminologie. CA PA

### Terminologie de l'inventaire des forêts du Canada -- 3e éd.

par B.H. Haddon. Ottawa : Forêts Canada, Comité de l'inventaire des forêts du Canada, 1988. vi, 113, vi, 109 p. *L'éd. anglaise* (Forest inventory terms...) sur la même fiche. ISBN 0-660-54772-4 MICROLOG 90-01189 3 fiche

Cet ouvrage a pour objet de résoudre les problèmes de terminologie en fournissant une terminologie commune et en expliquant son usage. Le document porte essentiellement sur l'inventaire forestier, ainsi que sur la description des méthodes d'inventaire forestier au Canada, le glossaire et les annexes. Il décrit chronologiquement les tâches associées aux inventaires forestiers; comprend les termes communément utilisés ou associés à l'inventaire forestier; et compte trois annexes qui présentent les unités métriques dans les inventaires forestiers, les symboles approuvés pour représenter des essences individuelles ou des groupes d'essences; et finalement, décrit le Système de données sur les terres du Canada. CA FO SC

### Terminologie de la police

établie par Hélène Michon ; revue et augmentée par Hélène Tremblay. Ottawa : Fédération canadienne des municipalités ; Bureau des traductions, 1981. viii, 68, viii, 72 p. Bibliogr. (Bulletin de terminologie ; 173) *Bilingue* (Police force terminology). ISBN 0-660-50815-X MICROLOG 90-04845 2 fiche

Ce lexique contient la plupart des termes faisant références au titres et au rangs, ainsi qu'aux patrouilles et aux enquêtes criminelles, bien qu'on y trouve également des termes reliés aux opérations policières (trafic, opérations d'urgence, etc.) et aux services auxiliaires (prévention des crimes et gestion des prisons). CA JU

### Terminologie des déchets solides

par L. Vincent. Ottawa : Fédération canadienne des municipalités ; Bureau des traductions, 1981. viii, 106, viii, 100 p. Bibliogr. (Bulletin de terminologie ; 167) *Bilingue* (Solid waste terminology). ISBN 0-660-50809-5 MICROLOG 90-04842 3 fiche

Le but de cet ouvrage est de fournir aux services municipaux d'enlèvement des ordures des termes qui leur seront utiles dans leurs travaux quotidiens et surtout dans leurs relations avec le public. Le document fournit les termes anglais-français, français-anglais des déchets solides, des égouts et des eaux usées, ainsi qu'une liste des sources et des bulletins de terminologie. CA EV SC

### Terminologie des loisirs et des parcs

par H. Tremblay et L. Vincent. Ottawa : Fédération canadienne des municipalités ; Bureau des traductions, 1981. viii, 114, viii, 116 p. Bibliogr. (Bulletin de terminologie ; 171) *Bilingue* (Parks and recreation terminology). ISBN 0-660-50813-3 MICROLOG 90-04844 3 fiche

Cet ouvrage porte sur la terminologie des loisirs et des parcs au niveau municipal. Il fait partie de la collection 'Terminologie municipale', dont cinq éditions provisoires furent publiées en 1979 par la Fédération canadienne des municipalités. Les citations, anglaises-françaises, françaises-anglaises, qui accompagnent certaines entrées sont de trois ordres: la définition formelle, le contexte, qui éclaire un ou plusieurs aspects de la notion désignée par le terme et l'exemple d'utilisation, qui illustre l'emploi du terme dans une phrase. CA CU

### Terminologie des services sociaux et des services de santé

par M. Thibault. Ottawa : Fédération canadienne des municipalités ; Bureau des traductions, 1981. viii, 136, viii, 128 p. Bibliogr. (Bulletin de terminologie ; 170) *Bilingue* (Health and social services...). ISBN 0-660-50812-5 MICROLOG 90-04843 3 fiche

Ce lexique contient des termes relatifs aux services de santé et services sociaux locaux, deux sujets d'importance primordiale au niveau municipal. Le but de cette publication est de donner les termes anglais les plus fréquemment employés avec les termes français équivalents. CA HE SA

### Terminologie des transports urbains

par C.A. Bowman et J. Carey. Ottawa : Fédération canadienne des municipalités ; Bureau des traductions, 1981. viii, 156, viii, 150 p. Bibliogr. (Bulletin de terminologie ; 169) *Bilingue* (Urban transportation terminology). ISBN 0-660-50811-7 MICROLOG 90-04859 4 fiche

Ce vocabulaire, vise à faciliter la rédaction et la traduction des lois, des règlements et des

autres documents intéressant les municipalités canadiennes, et à favoriser une certaine normalisation de la terminologie utilisée. Il contient également la liste des sources, une bibliographie sélective des transports urbains et de la construction routière, ainsi qu'une liste des bulletins de terminologie. CA SC TR

### Terminologie du logement et du sol urbain

par J. Le Néal et C. Morettin. Ottawa : Bureau des traductions ; Fédération canadienne des municipalités, 1981. viii, 210, viii, 210 p. (Bulletin de terminologie ; 172) *Bilingue* (Housing and urban land terminology). ISBN 0-660-50814-1 MICROLOG 90-02669 5 fiche

Ce document présente la terminologie du logement et du sol urbain. Il traite particulièrement du zonage et de l'aménagement foncier, ainsi que d'autres domaines dont le logement, la rénovation urbaine l'évaluation foncière, le droit de propriété et l'immigration. On y fournit également la liste des sources, la bibliographie sélective du logement et du sol urbain, du bâtiment, et de la prévention des incendies. CA PL SC

### Terrace Bay District fisheries management plan, 1989-2000

Toronto : Ministry of Natural Resources, 1989. xii, 30 p. maps Bibliogr. *Fold. map not filmed*. ISBN 0-7729-2224-1 MICROLOG 90-05891 1 fiche

Terrace Bay District is one of 5 administrative districts within the North Central Region on Lake Superior. The fisheries resources supports a wide variety of different uses from commercial fishing to tourism and recreational sport fishing. This document contains fisheries resource information and management strategies and tactics for long-term management to 2000. Management direction is suggested for the sport fishery, the commercial fishery, lake trout management and Indian fishing agreements. Management activities include improvement of environmental quality, increased scientific and technical information, improved access to Lake Superior, promoting the use of underutilized species, and maintaining, restoring or enhancing fish stocks and fishing opportunities. FI ON PR SC

### Terrain classification system for British Columbia -- Rev.

contributing editors, D.E. Howes and E. Kenk. Victoria : Ministry of Environment, Recreational Fisheries Branch ; Ministry of Crown Lands, Surveys and Resource Mapping Branch, 1988 viii, 90 p. ; ill. Bibliogr. ISBN 0-7718-8678-0 MICROLOG 90-00647 2 fiche

Manual providing an updated and revised edition of the 1976 system, designed for the classification of surficial materials, landforms and geological processes. It was specifically developed to provide an inventory of the terrain features in the landscape and to show their distribution, extent and location. The system is scale independent and provides base data applicable for a wide range of natural resource applications including planning, management, impact assessment and research. The data is conveyed in map form by the use of terrain unit symbols and is conducive to computer digital storage, management and processing. A glossary of terms is included. BC NR PR PS SC

### Terrain disturbance due to summer off-road vehicle use in central Keewatin, Northwest Territories, Canada

by L.D. Dyke. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1985. 47 p. ; ill. Bibliogr. (Environmental



studies ; no. 36) ISBN 0-662-14301-9  
MICROLOG 90-04623 1 fiche

Light tracked vehicles (weight up to 4000 kg) can provide the most economic method of moving equipment during mineral exploration in remote areas. The summer use of vehicles on thawing permafrost soils may begin an unstable period of erosion however, as runoff, channelled by vehicle ruts, thaws and erodes permafrost. Land use permits allowing summer vehicle use in the Northwest Territories recognize this possibility and require that the surface be in a condition to fully support vehicles without rutting. This study describes the response of till and peat in the central District of Keewatin to summer off-road vehicle use. It provides an explanation of processes controlling the response of these materials to disturbance and suggests procedures for minimizing disturbance to vegetation. Two companies requesting tracked vehicle use for the movement of diamond drills during the summer of 1980 were issued with land use permits on the condition they participate in a monitoring program and confine vehicle use to a geographically defined area.  
CA EV NO SC TR

### Les Terres humides ne sont pas des terres de désolation

par W.K. Bond...et al. Ottawa : Service canadien de la faune ; Habitat faunique Canada, 1988. iii, 18 p. Bibliogr. L'éd. anglaise (*Wetlands are not...*) sur la même fiche  
MICROLOG 90-06359 1 fiche

Pour atteindre l'objectif général visant la conservation des terres humides de choix, il faut mettre au point et tester à l'échelle pilote des méthodologies d'évaluation pour cerner quelles sont les approches actuelles ou futures qui font le mieux ressortir la valeur à long terme des ressources en terres humides et qui en tiennent le plus compte. Ce document vise à élaborer et examiner diverses procédures et méthodes d'évaluation de rechange pour faire ressortir la valeur réelle des terres humides. Il aborde particulièrement les méthodes choisies et le déroulement des activités et le choix des études de cas.  
● CA EV SC

### Terrestrial and atmospheric deposition studies in the vicinity of the Ontario Hydro thermal generating station, Atikokan, 1986

by D.J. Racette and H.D. Griffin. Toronto : Ministry of Environment, Technical Support Section, Northwestern Region, 1989. 19 p. : ill. Bibliogr. ISBN 2-7729-4491-1  
MICROLOG 90-02012 1 fiche

In 1981, the Ontario Ministry of the Environment began terrestrial and atmospheric deposition monitoring around a thermal generating station under construction near the Town of Atikokan in northwestern Ontario. The power plant is owned by Ontario Hydro, comprises a single 200 MW unit fueled with low-sulphur lignite from western Canada and was commissioned in late 1985. This report summarizes terrestrial and deposition data obtained during the first year of plant operation in 1986 when the station was on a basic operating schedule of 16 hours/day, 5 days/week, with brief outages during the first months of the year and a maintenance shutdown from mid-June to mid-August.  
EN EV ON PR SC

### Territorial Use Rights in Fishing (TURFs) on Lake Titicaca, Peru

by D.P. Leveil. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1987. i, 15 p. Bibliogr. (Discussion paper ; no. 12) ISSN 0828-2439  
MICROLOG 90-05477 1 fiche (Available on fiche only)

Examination of the existence of territorial use rights in fishing (TURFs) along the Peruvian shores of Lake Titicaca, relying upon a variety of sources which consider both the history and ethnography of Lake Titicaca shore dwellers. The report gives a definition of TURFs and the main characteristics of Lake Titicaca fisheries; reviews the historical evolution of those fisheries and emphasizes the restriction of fishing activities to a particular socio-economic group; analyzes the organization of fishing during Inca times and the early colonial period to demonstrate that this exclusiveness was based on formally granted TURFs; and demonstrates through an analysis of reported conflicts over fishing grounds that the persistence of TURFs is a widespread rather than a localized phenomenon.  
BC FI PR SC

### Terrorism : legitimization and response -- Rev.

by W. Koerner. Ottawa : Library of Parliament, Research Branch, 1989. 18 p. Bibliogr. (Current issue review ; 86-32E) French ed. (*Le Terrorisme : légitimation...*) on the same fiche. ISBN 0-660-13389-X  
MICROLOG 90-03017 1 fiche

This document discusses historical origins and tactics of terrorism, modern developments, terrorist motives, legitimization and response, and the Canadian situation. It also covers parliamentary action on this matter.  
CA CI EX

### Le Terrorisme : légitimation et riposte -- Rév.

par W. Koerner. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 20 p. Bibliogr. (Bulletin d'actualité ; 86-32F) L'éd. anglaise (*Terrorism : legitimization...*) sur la même fiche. ISBN 0-660-92785-3  
MICROLOG 90-03017 1 fiche

Le terrorisme est une stratégie indirecte qui perd ou gagne selon la riposte qu'elle suscite; il ne peut réussir que si les gouvernements y répliquent de la façon dont les terroristes le veulent. Donc, en combattant le terrorisme, il est impératif que les régimes démocratiques conservent leur légitimité tout en ne reconnaissant pas celle des terroristes, et il importe de bien comprendre ce qu'on entend par l'utilisation légitime de la force. Ce document fait la lumière sur le terrorisme - la légitimation et la riposte.  
CA EX

### A Test burn of chlorophenol contaminated wood wastes at Northwood Pulp Mill, Prince George, B.C. : summary report

Victoria : Ministry of Environment ; Ottawa : Environment Canada, 1989. ix, 47 p. : ill. Bibliogr. ISBN 0-7726-0980-2  
MICROLOG 90-00642 1 fiche

A series of tests was conducted on an industrial woodwaste (hog fuel) fired boiler at Northwood Pulp and Timber Ltd., Prince George, B.C. The test burn was designed to determine the capability of this combustion system to destroy low levels of chlorophenols, dioxins and furans that sometimes contaminate hog fuel. The test burns, completed in September 1987, involved the burning of hog fuel specially acquired without adding chlorophenol solution; hog fuel with chlorophenol solution added at a nominal concentration of 50 ug/g; and hog fuel with chlorophenol solution at a nominal concentration of 400 ug/g. Ambient air quality was monitored concurrently during the days of testing. During all test conditions, the boiler was maintained at constant steam production of about 100 tonnes/hr, or about 60% of maximum continuous rating.  
● BC CA EN PR PS SC

### Testing of New Brunswick oil shale in R.P.C. test facility

by P. Salib and P. Eng. Fredericton : Dept. of Natural Resources and Energy, Minerals and Energy Division, 1990. iv, 94 p. : ill. Bibliogr. (Open file report ; 90-2) ISSN 0712-4562  
MICROLOG 90-03191 2 fiche

The oil shale deposits of the Albert Formation in the Moncton Subbasin, New Brunswick, are considered to be Canada's largest and highest grade oil shale reserves. The viability of N.B. oil shale would improve if it were utilized with other fossil fuel resources such as high sulphur N.B. coal. For this reason, one of the concepts under investigation is the possibility of adding a retort to the circulating fluidized bed unit of N.B. Power, located at Chatham, N.B. This report presents the results of retorting trials carried out on 2 oil shale samples from the Albert Formation. One sample is from the Albert Mines zone (32.4 Imp.Gal/short ton) and the other is from the Dolomite Marlstone Zone (10.9 Imp.Gal/short ton).  
AP EN PR PS SC

### Testing of various chimneys and chimney connectors at the CMHC-owned Armstrong house : final report

by C. LeMay and G. O'Connor. Ottawa : Canada Mortgage and Housing Corporation, 1989. iv, 133 p. : ill.  
MICROLOG 90-06839 2 fiche

The performance of 6 different chimney types and 3 chimney connector (flue pipe) designs was monitored at a test house on Armstrong Road in Ottawa in April and September 1989 to measure the effects of chimney insulation and downsizing, and to collect data that could be used to verify CMHC's FLUESIM computer simulation model. The study monitored performance and collected field data for a variety of chimney and chimney connector designs; evaluated the performance of the different combinations; investigated the effects of chimney insulation and sizing on venting; simulated the performance of these designs with CMHC's FLUESIM; compared the simulated data with the field data and identified discrepancies; and modified FLUESIM if field and simulated data did not agree satisfactorily.  
CA ON PL SC

### Testing tax reform : a brief to the Standing Committee on Finance and Economic Affairs

Ottawa : National Council of Welfare, 1987. 48 p. : ill. CSI 2251.204.  
MICROLOG 90-02588 1 fiche

Discusses the burden of recent budgets; testing tax reform; more tax credits and lower tax rates; the impact of tax reform; tax reform over time; the decline of child benefits; and sales tax reform.  
CA CO ST

### Testing the effective vocabulary capacity method of evaluating speech recognizers

by J.M.E. Van de Vegte and M.M. Taylor. North York, Ont. : Defence and Civil Institute of Environmental Medicine, 1989. 4 p. : ill. Bibliogr. Presented at the ESCA Workshop : Speech input/output assessment and speech databases.  
MICROLOG 90-00968 1 fiche

The performance of isolated-word speech recognizers is typically measured using error rates. To obtain reliable error rate estimates for good recognizers can require many thousands of subject utterances, and, the better the recognizer, the more sensitive the error rate is to the actual challenge vocabulary and the skill of the talker. The Effective Vocabulary Capacity (EVC) is the maximum vocabulary that a recognizer can in principle handle at a given error rate. It relies on



measures that are relatively independent of the challenge vocabulary and which require only tens of hundreds of test utterances. This document tests the EVC algorithm for both synthetic and real recognizer data.  
● CA LS PS SC

#### Tests in artificial scallop seed collection, 1967

by O. Sato...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 15 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5290) *Originally published in Japanese.* ISSN 0704-3716  
MICROLOG 90-02125 1 fiche

As part of a project aimed at improving the coastal fisheries structure, the Aomori prefecture built a station for artificial seed collection of the most important shellfish found mainly in the Mutsu Bay (scallop, ark shell, abalone). This paper reports on the results obtained so far.  
● CA CF FI SC

#### Tests on cold fusion in an electrochemical cell

by C.H. Cheh...et al. Toronto : Ontario Hydro, Research Division, 1990. i, 37 p. : ill. (Report ; no. 90-28-K)  
MICROLOG 90-06105 1 fiche

Considerable controversy has followed the claim made by Fleischmann and Pons of fusion at low temperature in an electrochemical cell consisting of a palladium cathode and an electrolyte of lithium deuterioxide in heavy water. The potential of this technique for electricity generation resulted in the initiation of laboratory tests which were hastily put together and performed with many modifications as new information became available to determine the excess heat generation capability. This report gives the results of those preliminary tests.  
EN ON PR PS SC

#### Thackeray Provincial Nature Reserve : management plan

Toronto : Ministry of Natural Resources, 1988. i, 14 p. : maps. Bibliogr. ISBN 0-7729-4291-9  
MICROLOG 90-01451 1 fiche

Thackery Provincial Nature Reserve is a 116 ha nature reserve class provincial park located 39 km east of the Town of Matheson and 600 km north of Toronto in the Kirkland Lake district. This approved official management plan covers objectives, zoning, resource management policies for wildlife management, mineral activity and vegetation management; operations policies for visitor services and research; development policies; and implementation priorities.  
CU NR ON PR SC

#### Thanks from Alberta's environment

Edmonton : Alberta Environment, 1990. 40 p. : ill.  
MICROLOG 90-05883 1 fiche

In January of 1990 the government of Alberta presented its environmental vision to the public in a document. More than 25,000 vision documents were distributed throughout Alberta and some 4,000 Albertans have responded to it. This document is a response to a sampling of opinions received on the management of the environment. Following a statement of each principle outlined in the vision document, it summarizes observations from respondents.  
AL EV PR

#### Theft of cultural property in Canada to 1988

Interpol Ottawa. Ottawa : Royal Canadian Mounted Police, 1989. xi, 223 p. : ill. *Bilingual (Vol de biens...).* ISSN 0840-4623 ISBN 0-662-56883-4  
MICROLOG 90-02479 3 fiche

This publication is a reference manual for the quick verification of works of art and artifacts of doubtful provenance. It is addressed to national police departments, art organizations, museums, galleries, auction houses, insurance companies and to all other groups that are in contact with the art market or involved in the detection and prevention of art crime.  
● CA CU JU

#### Thematic and selective bibliography on the information economy

by R. Poirier. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1989. 32 p. *Bilingual (Bibliographie thématique...).* ISBN 0-662-57058-8  
MICROLOG 90-04413 1 fiche

This bibliography contains approximately 300 references. The documents chosen are periodical articles, monographs and monograph chapters. In general, the work fundamental to the issue as well as scientific and trade periodicals are highlighted. The international and governmental organizations' monographs also receive special attention.  
● CA SC TE

#### Themed regions : a discussion paper for the New Brunswick travel industry

Fredericton : Tourism, Recreation and Heritage, Marketing and Development Division, 1990. 7 p. : ill., maps. *French ed. (Régions à thème...) on the same fiche.*  
MICROLOG 90-06085 1 fiche

The purpose of this discussion paper is to present some initial thoughts regarding themed regions as expressed by a wide variety of travel industry partners who participated in an initial round of consultation meetings. Seventy-five people from a variety of locations within the province were interviewed representing a cross-section of the travel industry.  
AP CO CU PR

#### The Theoretical assumptions and methods for investigating commercial fish populations

by F.E. Alekseev. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 26 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5392) *Originally published in Russian, by AtlantNIRO, at Kaliningrad, U.S.S.R.* ISSN 0704-3716  
MICROLOG 90-01546 1 fiche

The criteria of self-reproduction is used as the criterion for the taxonomic rank of intraspecific groupings on commercial fish stocks. This paper discusses the various theories used to explain populations and stocks.  
● CA CF FI SC

#### Theoretical heat balance and production rate of the cupola smelting process

by J.F. Grandsen and D.A. Reeve. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1976. 6 p. (Report ; MRP/ERL 76-196(TR))  
MICROLOG 90-04502 1 fiche

Description of the simple heat balance which gives perspective to the importance of the various sub-processes in the cupola smelting of Peace River iron ore. In the process, briquets of iron ore containing sufficient carbon (char) to reduce the ore to metal are smelted in a cupola, the coke bed of which supplies all the necessary heat.  
● AL CA CM NR PS SC

#### A Theoretical model for airborne radars

by D. Faubert. Ottawa : Defence Research Establishment Ottawa, 1989. x, 62 p. Bibliogr. (Report ; no. 1017)  
MICROLOG 90-03931 1 fiche

The importance of radars in many airborne weapon systems used by the Canadian Forces dictates a detailed understanding of their operation and capabilities. This report describes the first phase of work on airborne radar systems, consisting of modeling the operation of airborne radars. The report derives the model, describes the computer simulation implementing the theoretical model and defines the baseline airborne radar used to demonstrate the capability of the simulation, then summarizes the findings.  
CA EX PS SC

#### A Theoretical model for the study of migration and urbanisation

by D. Achanfuo-Yeboah. Edmonton : University of Alberta, Dept. of Sociology, 1990. 7 p. Bibliogr. (Research discussion paper ; no. 66) ISSN 0317-2473  
MICROLOG 90-06454 1 fiche

The great diversity of processes in migration and urbanisation makes it necessary to have a framework which would allow migration and urbanisation to be studied with all their attributes. Several factors work individually and jointly to influence migration and urbanisation. These may be classified as demographic, social, cultural, economic, and political. The proposed model is based on the principle that sociocultural, economic and political developments work through a number of variables, to increase the propensity to migrate and, hence, influence internal migration and urbanisation. The utility of this model is that it will make it easier to carry out empirical studies of the determinants of migration and urbanisation.  
● CA SA

#### La Thérapie génétique humaine

par T. Curren. Ottawa : Bibliothèque du Parlement, Service de recherche, 1988. ii, 49 p. Bibliogr. (Etude générale ; BP-188F) *L'éd. anglaise (Human gene therapy) sur la même fiche.* ISBN 0-660-92693-8  
MICROLOG 90-01912 2 fiche

L'humanité est exposée à une grande variété de maladies, dont bon nombre sont causées par des agents infectieux comme les bactéries et les virus et d'autres sont attribuables à des causes inconnues. Un troisième groupe de maladies comprend celles qui sont causées par un ou plusieurs gènes défectueux. Une maladie génétique est caractérisée par une anomalie d'une portion du patrimoine génétique qui produit un ou plusieurs symptômes observables indiquant un état de maladie. Ces maladies génétiques varient de l'état le plus insignifiant à l'état le plus grave. Dans les cas les plus sérieux, les manifestations caractéristiques consistent en une incapacité généralisée ou en une mort prématurée. Ce document fait la lumière sur la question de la thérapie génétique humaine.  
CA LS SC

#### Thermal budget of river ice covers during breakup

by T.D. Prowse and P. Marsh. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute ; Ottawa : National Research Council, 1989. 9 p. : ill. Bibliogr. (NHRl contribution ; no. 88034) ISSN 0838-1992  
MICROLOG 90-05381 1 fiche

Study, based on field measurements obtained from the Laird River, on the magnitude and relative importance of atmospheric (air-ice) and hydrothermal (water-ice) heat fluxes to intact



and fragmented river ice covers during thermal breakup. Information is provided about the rise in water temperatures associated with breakup advance and changes in ice conditions which control both the surface and subsurface heat fluxes. Comparisons are made of the magnitude and relative importance of these heat fluxes to ice ablation.  
CA MS NR PS SC

### The Thermal decomposition of pyrite

by A.W. Coats and N.F.H. Bright. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 12 p. Bibliogr. (Report ; MS 65-114) MICROLOG 90-04689 1 fiche

Report on the kinetics of the thermal decomposition of purified pyrite to pyrrhotite and sulphur in a dynamic argon atmosphere from 600C-653C. The reaction was followed by the rate of weight loss as indicated by a quartz spring balance and also by the rate of progression of the pyrite/pyrrhotite interface into a cylindrical, compressed, polycrystalline pellet.  
• CA CM NR PS SC

### Thermal instability of underground power cables

by H.S. Radhakrishna and K.C. Lau. Toronto : Ontario Hydro, Research Division, 1989. 20 p. : ill. Bibliogr. (Report ; no. 89-301-K) MICROLOG 90-03998 1 fiche

The performance of underground power cables is critically affected by the thermal properties of the backfill around the cable. When the heat transfer process induces rapid thermal drying of the backfill soil causing the cable temperature to rise rapidly, the cable system is said to be thermally unstable, or results in thermal runaway. This report reviews the mechanism of thermal runaway and proposes a rational basis for identifying the potential for thermal instability in various types of soils. The relevance of the factors selected for the identification system is substantiated by the results of a parametric study.  
EN ON PR PS SC

### Thermal maturity of Carboniferous and Permian rocks of the Sverdrup Basin, Canadian Arctic Archipelago

by J. Utting...et al. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 20 p. : maps. Bibliogr. (Paper ; 89-19) ISSN 0068-7650 ISBN 0-660-13253-2 MICROLOG 90-01609 1 fiche

Assessment of the thermal maturity of Carboniferous and Permian rocks of Sverdrup Basin, based on the colouration of pollen and spores, colouration of conodonts, and vitrinite or bitumen reflectance measurements, although it was not possible to apply all of these criteria to every sample. Correlation of the various indices was achieved by comparing samples for which at least 2 of the techniques were used. Five hundred and fifty outcrop and subsurface core samples were studied from 109 localities, and the results plotted on maps.  
CA NO NR PS SC

### Thermal measurements in Cordilleran boreholes of opportunity, 1984-87

by W.H. Bentkowski and T.J. Lewis. Calgary, Alta. : Geological Survey of Canada, Institute of Sedimentary and Petroleum Geology, 1989. 30 p. : ill. Bibliogr. (Open file report ; OF 2048) MICROLOG 90-00969 1 fiche

Most heat flux data in the Cordillera are obtained from suitable mineral exploration boreholes. The distribution of these sites leaves many regions with little or no available data. This document presents heat flux results obtained between 1984 and 1987 for all areas of the Cordillera including those where

insufficient data are available for a regional overview.  
CA NR PS SC

### Thermal performance and delivery capability of a 350-litre electric storage water heater

by N.H. Milligan. Toronto : Ontario Hydro, Research Division, 1989. 11 p. : ill. (Report ; no. 89-99-K) MICROLOG 90-00407 1 fiche

The majority of residential storage water heaters have a capacity of 175 or 270 litres. These water heaters are economical and meet most residential requirements. However, there is a need for a larger tank which can store and deliver more hot water. Consequently, a 350-litre heater was developed by a Canadian manufacturer to meet this need. The prototype 350-litre (nominal) electric storage water heater was tested in accordance with selected clauses of CSA Standard C191 and a load management test was performed to determine whether the tank is suitable for load management in single and multi-residential buildings. This report presents the results of this test program.  
EN ON PR SC

### Thermal performance and delivery capability of an electric water heater with a non-pressurized plastic tank

by J.A. Riddersma and B.T. Howell. Toronto : Ontario Hydro, Research Division, 1989. 8 p. : ill. (Report ; no. 89-231-K) MICROLOG 90-03524 1 fiche

Residential water heating constitutes a major electrical load and a capital expense because of the significant numbers of installed rental units. One development in tank durability and energy efficiency is a well insulated electric water heater with a non-pressurized plastic tank. This report describes testing of this tank for thermal performance and delivery capability according to selected clauses of the CSA Standard C191-M1983/1.  
EN ON PR PS SC

### Thésaurus de la paix et de la sécurité

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1990. i, 115, i, 109 p. Bibliogr. *Bilingue (Peace and security...)*. ISSN 1180-3800 ISBN 0-660-55773-8 MICROLOG 90-07052 3 fiche

Le Thésaurus sert à indexer l'information propre au domaine de la paix et de la sécurité et à y donner accès en fonction du sujet. Il s'agit d'un vocabulaire contrôlé de termes associés employés pour décrire un domaine particulier de connaissances et y donner accès. Dans ce cas-ci, il vise à offrir un vaste accès aux documents de recherche concernant la paix et la sécurité. Il donne une voie d'accès aux ressources pertinentes et une terminologie commune pour examiner tous les thèmes importants propres au domaine. De plus, il donne des renseignements tels, les acronymes employés, les organisations et alliances internationales; les traités et négociations sur la limitation des armements; et, les identificateurs intéressant particulièrement le Canada et figurant dans le Thésaurus.  
• CA EX

### Think and act family : a guide for public and private organizations

opinion given by the Conseil de la famille to the Minister for the Status of Women, responsible for Family Policy. Quebec : The Conseil, 1989. 82 p. Bibliogr. (Opinion ; no. 89.2) *French ed. (Penser et agir...)* : 90-02811/1. MICROLOG 90-04481 2 fiche

This document presents the Council's opinion in two parts. Part One explains the context in which the family policy operates. It recalls the

guidelines and objectives adopted by the Conseil des ministres and situates the family and family policy in the context of today's society. It explains the concept of evaluation, and comments on creativity in evaluation. Part Two consists of an evaluation grid or frame of reference for evaluating policies, programs and services from the point of view of the family. It develops family criteria and the Conseil de la famille suggest questions that can serve to verify whether these criteria are respected. Finally, it indicates the steps that should be taken to carry out a coherent and meaningful evaluation.  
PR QU SA

### The Third Isotope Separation Workshop

by H.D. Morrison. Toronto : Ontario Hydro, Research Division, 1989. ii, 201 p. : ill. (Report ; no. 89-49-K) MICROLOG 90-03527 3 fiche

Report of the workshop, covering background information on Ontario Hydro's interest in isotope separation, including sales and service and the tritium removal facility at Darlington; and technical papers on topics related to isotope separation of hydrogen and of zirconium using distillation, especially at cryogenic temperatures.  
EN ON PR PS SC

### Third Mines Branch Seminar on Environmental Improvement

Ottawa : Dept. of Energy, Mines and Resources, Mines Branch, 1972. iii, 128 p. : ill. Bibliogr. (Report ; ADM 72-2) MICROLOG 90-04496 2 fiche

Papers and/or abstracts presented at the seminar, which describes contributions to the control of pollution from heat process sources. Papers are divided into the categories of fundamentals, experimental, advanced process research, improvements to processes, and literature reviews.  
• CA CM EV NR PS SC

### The Third Williston to Kelly Lake 500 kV transmission line : Project Rationale

Vancouver, B.C. : B.C. Hydro, System Planning Division, 1989. 24 p. : ill. ISBN 0-7726-1034-7 MICROLOG 90-00639 1 fiche

This report outlines B.C. Hydro's planning process for major transmission projects and explains how that process led to the proposal to reinforce the Williston to Kelly Lake transmission system with a third 500kV single circuit transmission line between those substations. The report contains brief descriptions of a typical electrical transmission system; B.C. Hydro's existing major transmission system; the electric load forecast for the next 10 years; the resource plan to meet the growing electric load; the transmission planning process which determines what system reinforcement is needed; and the third Williston to Kelly Lake 500kV transmission line. A glossary of terms is included.  
BC EN PR PS SC

### Thirty-fourth general election : report of the Chief Electoral Officer pursuant to section 193 of the Canada Elections Act, 1988

Canada. Office of the Chief Electoral Officer. Ottawa : The Office, 1988. 1335 p. *Bilingual (Trente-quatrième élection...)*. Appendices (94 p.) laid in. CSI 22163.201. ISBN 0-662-56648-3 MICROLOG 90-04246 15 fiche

Report of the 34th general election in the fall of 1988, providing in detail, by polling station, the vote in each electoral district.  
CA PA ST



**Thon rouge de l'Atlantique : analyse du marché, avril 1990**

Halifax : Ministère des pêches et des océans, Direction de l'économie et de la coordination des programmes, 1990. 15 p. : ill. (Rapport d'analyse économique et commerciale ; no 60) *L'éd. anglaise (Atlantic bluefin tuna...) sur la même fiche.* ISSN 0843-5626 ISBN 0-662-96122-6 MICROLOG 90-05223 1 fiche

Le Japon continue d'être au premier rang mondial en ce qui concerne les débarquements et la consommation de thon. La pêche canadienne du thon vise surtout les très gros thons rouges destinés au marché frais et non à celui de la conserve. Ce document présente le rapport de l'analyse économique et commerciale du Thon rouge de l'Atlantique.  
● AP CA CF CO FI SC ST

**The Threat to man from contamination of the water environment**

by K. Janicki. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 19 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5124) *Originally published in Polish, at Cracow, Poland.* ISSN 0704-3716 MICROLOG 90-00054 1 fiche

Paper linking the contamination of water with the increased incidence of cardiovascular and neoplastic diseases. This contamination not only changes the mineral composition of the water but adds chemical substances to it. The paper concludes with a number of sanitary and medical requisites concerning drinking water.  
● CA CF EV HE NR SC

**A Three-axis probe for 60 Hz magnetic fields**

by R.R. Scheer. Toronto : Ontario Hydro, Research Division, 1989. 10 p. : ill. (Report ; no. 89-163-K) MICROLOG 90-00414 1 fiche

Report on the development of a portable three-axis magnetic field probe which will measure magnetic fields in real time.  
ON PR PS SC

**Tidal current variability on the Scotian Shelf and Slope**

by D.N. Gregory. Dartmouth, N.S. : Bedford Institute of Oceanography, 1988. iv, 38 p. : maps. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 109) ISSN 0711-6774 MICROLOG 90-05151 1 fiche

Statistical summary of tidal current variability on the Scotian Shelf based on moored current data and simulated data generated by a barotropic tidal circulation model of the Scotia Shelf. Included in the observational data set are 672 separate deployments representing over 2000 data months of observations.  
● AP CA CF NR PS SC

**Tidal Power Corporation : Annual report 1986-87**

Halifax : The Corporation, 1987. 10 p. *CSI 52140.001.* MICROLOG 90-00527 1 fiche

This annual report contains a report from the President, an auditor's report, a balance sheet, a statement of income and surplus, and notes to the financial statements.  
AP CO EN PR SC

**Tidal Power Corporation : Annual report 1987-88**

Halifax : The Corporation, 1988. 10 p. *CSI 52140.001.* MICROLOG 90-05529 1 fiche

During the year ending March 31, 1988, the Corporation's objective was to deal with 2 problems: retiming of output to provide firm power, and means of reducing fish mortality to an acceptable level. The President on the affairs of the Corporation reports on these problems. An auditor's report, a balance sheet and a statement of income and surplus, along with notes to the financial statements conclude this document.  
AP CO EN PR

**Tidal Power Corporation : Annual report 1988-89**

Halifax : The Corporation, 1989. 9 p. *CSI 52140.001.* MICROLOG 90-02147 1 fiche

During the year the Corporation's main objective was to resolve the problem of fish mortality in tidal power plants and thus to remove the main environmental impediment to large-scale development of the Cumberland Basin site. Encouraging progress was made. This annual report presents an auditors' report, a balance sheet, and a statement of income and surplus.  
AP CO EN PR SC

**Tie Creek study : an Anishinabe understanding of the petroforms in Whiteshell Provincial Park**

by K. Pettipas. Winnipeg : Dept. of Natural Resources, Parks Branch, 1990. xi, 130 p. : ill., maps. Bibliogr. *Contents: Part 1 / prepared by Roseau River Chapter, Three Fires Society ; for Parks Branch, Manitoba Dept. of Natural Resources -- part 2 : Tie Creek study : a commentary / prepared by Katherine Pettipas ; for Roseau River Chapter, Three Fires Society.* MICROLOG 90-06996 2 fiche

Study to obtain a comprehensive inventory of significant ethnographic cultural sites and features within the Tie Creek basin of Whiteshell Provincial Park, to determine their interrelationships, and to identify current Native perceptions regarding past, present, and future activities in the basin. The report presents an Anishinabe (Ojibway) understanding of the petroforms in eastern Manitoba, in general, and those in Whiteshell Provincial Park in particular, then discusses, from an archaeological point of view, the research that has been conducted on petroform sites in Manitoba to date, evaluates the contribution of this study to the knowledge of these types of sites, and examines information from the U.S. and elsewhere regarding the identification, interpretation, protection, preservation, and contemporary use of indigenous sacred sites.  
CU MS NP PR

**Till parameter : a numerical expression of texture enabling laboratory classification of till**

by W.C. Ross. Saskatoon, Sask. : Saskatchewan Research Council, 1986. ii, 13 p. (SRC technical report ; no. 225) (SRC publication ; no. R-842-5-B-86) MICROLOG 90-03980 1 fiche

The comminution parameter was derived from the results of grain size analysis. Continuous curve plots show the relationship of the quantity of grains (expressed as weight percentages) to their respective grain sizes (expressed in millimetres) throughout the ranges of sands, silts, and into the clays. The cumulative weight percentage curves for 85 till analyses were assessed and divided into till and comminution parameters. This report describes the formula variables, the derivation of the formula for the comminution parameter, determination of till parameter, record of comminution parameter determinations, and the simplification of the procedure for determination of the comminution parameter.  
MS NR PR PS SC

**Timber harvest on federal lands, 1986-87**

by R.P. Hirvonen and R.A. Woods. Ottawa : Government of Canada, Canadian Forestry Service, Forest Development Directorate, 1988. v, 33, v, 37 p. : ill. (Information report ; DPC-X-24) *Bilingual (La Récolte de bois...).* *CSI 22189.011.* ISSN 0705-324X ISBN 0-662-55958-4 MICROLOG 90-01216 1 fiche

Annual report of timber harvest data on federal Crown lands. The report describes the various types of Crown land, including the northern territories, Indian reserves, national parks, forest experiment stations, and national defense lands, gives a summary of the harvest for the current year and for the past 5 years; gives the amount collected in stumpage; describes the economic impact on job creation and the gross domestic product; and describes forest management measures.  
CA FO SC ST

**Timber harvest on federal lands, 1987-88**

by R.P. Hirvonen and R.A. Woods. Ottawa : Forestry Canada, Forest Development Directorate, 1989. v, 29, v, 29 p. : ill. (Information report ; DPC-X-27) *Bilingual (La Récolte de bois...).* *CSI 22189.011.* ISSN 0705-324X ISBN 0-662-56800-1 MICROLOG 90-05760 1 fiche

Annual report of the timber harvest of federal lands, including a number of 20-year comparisons. Data is given on forest land ownership in Canada, particularly federal land ownership; the federal timber harvest by federal agency (NWT and Yukon, Indian reserves, national defence lands, national parks, forest experimental lands, and other federal lands); stumpage revenue; forest management; and the economic impact of the forestry industry on both job creation and gross domestic product.  
CA FO PW SC ST

**Timber utilization survey for the year 1988**

Fredericton : Dept. of Natural Resources and Energy, Timber Management Branch, 1990. iv, 113 p. *CSI 45113.002.* ISSN 0826-9378 MICROLOG 90-03310 3 fiche

Information on primary industrial fibre consumption, individual mill consumption and fibre imports and exports. All pulp and paper mills and fibreboard and plywood plants were sampled, although only those sawmills consuming more than the 500 cubic metres of roundwood were included. Data summarizes the industrial roundwood harvest and consumption from various sources by industry type, lists individual mill consumption by source and species, lists those pulp and paper and fibreboard mills consuming chips and other residue as well as individual sawmills producing such chip and residue, and lists all mills importing and exporting roundwood chips and other residue by industry type.  
AP FO PR SC ST

**The Time accounting system : a computer database package for recording employee time sheet information**

by R. Sue. Toronto : Ontario Hydro, Research Division, 1988. 103 p. (Report ; no. 88-36-K) MICROLOG 90-01728 2 fiche

A computer database package was developed for the construction group at Pickering Nuclear Generating Station which allows time sheet information to be stored in a single database, and reconciles the worked hours with the appropriate charge numbers for accurate and timely reporting. This package was developed using dBase III PLUS. This report contains a user's guide which explains how to use the



package, and a reference manual which describes the various features of the software package.  
LA ON PR PS SC

# **Time-domain modelling of ocean clutter for ground wave radar**

by R.H. Khan, B.J. Dawe and J. Walsh. St. John's : Centre for Cold Ocean Resources Engineering, 1989. 4 p. : ill. Bibliogr. Presented at the Canadian Conference on Electrical and Computer Engineering. MICROLOG 90-00378 1 fiche (Available on fiche only)

The detection performance of high frequency ground wave (HFGW) radar systems, for over-the-horizon detection of surface targets, is limited by the back scattering returns from the ocean surface. An improved modelling of the ocean clutter is the key to enhanced target detection with HFGW radar; this would enable clutter suppression techniques to be refined and a higher signal-to-noise ratio to be achieved. This paper proposes a wave packet model for the dominant components of the ocean back scattering signal and suggests a technique to exploit this non-stationary characteristic of the ocean clutter to improve target detection performance. The technique is based on the Wigner-Ville distribution, which is an emerging tool for non-stationary spectral analysis. Results are presented to demonstrate the enhanced detection performance of the proposed technique.

• AP CA PS SC TE

# **Timothy seed production in Alberta**

by K.J. Lopetinsky...et al. Edmonton : Alberta Agriculture, 1989. 6 p. : ill. (Agri-fax) MICROLOG 90-00209 1 fiche

General guide for timothy seed production, covering seed and seed yield, production trends and marketing, choice of land, field sanitation, stand establishment, fertilization establishment year, weed and insect control, harvesting, and aftermath removal.  
AG AL PR SC

# **To develop sulphur reducing mineral beneficiation techniques and perform sulphur emission tests at INCO Smelter, Thompson, Manitoba : final report (no. 22)**

by R.M. Perchaluk. S.I. : Canada-Manitoba Mineral Development Agreement, 1989. 56 p. ill. CANMET contract: OSQ85-00112. MICROLOG 90-07140 1 fiche

Final summary report of test work to reduce sulphur dioxide emissions in the Thompson Smelter by developing mineral beneficiation techniques to reduce the sulphur recovery to the smelter feed while minimizing metal losses to mill tailings. The test work was conducted to determine the best means of meeting the proposed 1994 Manitoba Division SO<sub>2</sub> emission limits (220 k tonnes/yr) at a net product production rate of 140 million lbs./yr. The study was divided into 7 phases, covering optimization of the regrind and liberation in the scavenger cleaner circuit, magnetic separation, alternative reagents, column flotation, current (A-circuit) optimization, rougher concentrate Pn/Po separation, and smelter energy balance. Test work was done exclusively on Thompson underground type ores which are characterised by high content magnetic (monoclinic) pyrrhotite gangue. This report provides a summary of the test results related to each part of the study.

• CA CM EV MS NR PS SC

# **To evangelize the nations : Roman Catholic missions in Manitoba, 1818-1870**

by M. McCarthy. Winnipeg : Manitoba Culture, Heritage and Recreation, Historic Resources, 1990. viii, 245 p. : ill., maps. Bibliogr.

(Papers in Manitoba history ; no. 2) ISSN 0838-2476 ISBN 0-7711-0863-X MICROLOG 90-04993 3 fiche

This publication presents a general overview of Roman Catholic missionary activity within the boundaries of what is now Manitoba from 1818 until 1870, identifying the cause which led to the foundation and development of the Church in the west. It details the establishment of eight individual mission stations with the unique circumstances of each linked to the more general character of all Roman Catholic missions in the west. It also analyzes the complex relationship of the Church with the Native peoples and links this to the contemporary influences of the Hudson's Bay Company and Church Missionary Society on the Roman Catholic mission enterprise.  
CU MS PR

# **To the knowledge of the Vasodentine**

by H. Kohlenberger. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 25 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5256) Originally published in German. ISSN 0704-3716 MICROLOG 90-02727 1 fiche

Paper reporting on research to establish whether the vasodentine, particularly that in the gadid family among the teleosts, is a dentine at all; whether the vasodentine belongs to the mantle or to the trabecular dentine and to define its characteristics; and to study the morphological relationship of the vasodentine with Kampschulte's types of the other teleost teeth.

• CA CF FI LS SC

# **Tofflemire Township**

§ compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 14 p. : fold. maps. (Geological data inventory folio ; GDIF 456) MICROLOG 90-00704 1 fiche

Geological data inventory for Tofflemire Township, including a checklist of data sources, metals and minerals reference list, exploration work by company or individual, results of a general index search, and selected references.  
NR ON PR PS SC

# **Toits des édifices gouvernementaux de Dawson, Yukon : évaluation des défis de conception et des pratiques de construction**

par D. Neufeld. Ottawa : Environnement Canada, Service canadien des parcs, 1990. 23 p. : ill. Bibliogr. (Bulletin de recherches ; no 280) L'éd. anglaise (Government roofs...) sur la même fiche. ISSN 0228-1236 MICROLOG 90-04609 1 fiche

On prévoit la réfection des toits de trois édifices de Dawson; voici donc un document présentant les caractéristiques historiques de ces toits, depuis la construction des bâtiments jusqu'à leur acquisition par le Service canadien des parcs, à la fin des années 1960. Le document, par une analyse des pratiques de construction et des procédés de conception originaux utilisés pour l'érection de plusieurs des plus importants édifices gouvernementaux, permet d'éclairer la nature des politiques gouvernementales et des méthodes de construction pratiquées à Dawson au tournant du siècle.  
CA CU NO PL SC

# **Tomorrow? Report**

Canada. Advisory Committee on the Future of Point-à-Carcy. Ottawa : The Committee, 1989. 124, 124 p. : ill., maps. Bilingual (Demain? Rapport). MICROLOG 90-05940 3 fiche

The recent history of Pointe-à-Carcy is a glaring example of the kind of pell-mell development one generally tries to avoid: abandoned lots, deserted warehouses, an endless line of studies and unrealized plans, etc. This is neither a study nor a plan. It seemed essential to restore some semblance of order. In the first part of the report, the facts are presented, the history traced and the public's attitude dealt with. In the second part, six development principles are presented, as well as a threefold vocation based on those principles. Finally, it examines the specific projects submitted.  
CA CU QU

# **Tonalite-hosted Au-quartz vein/shear zone mineralization in the Arcadia Bay area, Slave province, NWT**

by A.P.G. Abraham. Yellowknife : Indian and Northern Affairs Canada, Geology Division, 1989. 54 p. : ill., maps. Bibliogr. MICROLOG 90-01958 1 fiche

This report is part of research undertaken for a Ph.D. which had as its objectives: to produce a high quality detailed lithostructural map of the Arcadia Bay area encompassing the mineralized shear zones, the sheared western contact between the Aniak River granite gneiss and part of the Aniak River greenstone belt; to determine the petrogenesis of the tonalite-trondhjemite intrusive complex and associated 'felsic dikes' to establish their magmatic affinities for comparison with the Aniak River greenstone belt metavolcanics and, in particular, to test Kusky's (1989) arc hypothesis; to carry out a detailed U-Pb geochronological study of key lithologies in the Arcadia Bay area; and to determine the nature and origin of ore fluids responsible for Archean gold mineralization in the Aniak tonalite-trondhjemite intrusive complex, and test models for the origin of Archean lode gold deposits.  
CA NO NR PS SC

# **Toronto Area Transit Operating Authority (Ont.) : Annual report 1988-89**

Toronto : The Authority, 1989. 20, 20 p. : ill. Bilingual. CSI 56174.001. MICROLOG 90-05633 1 fiche

Annual report for 1988/9 of the Authority, including data on ridership for both regular and special services, rail service, bus service and rolling stock. Statistics on subsidy, subsidy per passenger, cost per passenger, cost recovery, rail car fleet activity and bus fleet activity. A financial statement, and a map of the bus and train system is also included.  
MU ON PR SC ST TR

# **Toronto Waterfront Charrette, blueprint for the future : a report to the agencies, property owners and residents of Metropolitan Toronto**

Toronto : Ontario Professional Planners Institute ; Ontario Association of Architects ; Ontario Association of Landscape Architects, 1990. 36 p. : ill., maps. MICROLOG 90-05638 1 fiche

The Toronto Waterfront Charrette, September 13-17, 1989, was a five day event that focused on the creation of a plan for the metropolitan Toronto waterfront. Twenty-five professionals with international experience in waterfront planning and development took part in the event. This report contains the final recommendations and designs prepared by the Charrette teams.  
MU ON PL PR

# **Toronto (Ont.) : Overview 1987**

Toronto : The City, 1988. 46 p. : ill. CSI 89119.001. MICROLOG 90-02157 1 fiche



This annual report presents urban, economic, international, and workplace initiatives. It also provides financial data, and a list of the major municipal boards and agencies reporting to the Council of the Corporation of the City of Toronto.  
MU ON PA

#### Tourism 2000 : a statement on tourism development

Charlottetown : The Province, 1988. 17 p.  
MICROLOG 90-04122 1 fiche

Tourism 2000 is a broad-based project to plan and develop the island tourism industry over the next 12 years to the beginning of the next millennium. This document discusses a major change of direction for the industry, the principles of development, and strategies for development.  
AP CU PR

#### Tourism 2000 : mobilizing investment for a global industry : presentations to the second Advanced Policy Forum on Tourism

compiled by Ann M. Pollock, Paul R. St. Pierre ; co-sponsored by Tourism Industry Association of B.C., Pacific Rim Institute of Tourism, British Columbia Ministry of Tourism and Provincial Secretary. S.I. : Canada-British Columbia Economic and Regional Development Agreement, 1989. 208 p. ISBN 0-7718-8862-7  
MICROLOG 90-00645 3 fiche

Presentations and discussions from Tourism 2000, covering the skiing industry, hotels, adventure travel, various specific attractions, finance, the Asia-Pacific perspective, and government's role.  
• BC CA CU

#### Tourism and the economy : strategic directions for growth

Toronto : Ministry of Tourism and Recreation, 1990. 32 p. : ill. *Summary (7 p.) laid in.* ISBN 0-7729-7007-6  
MICROLOG 90-07182 1 fiche

This document discusses product development, marketing, customer service, major events and public attractions, promotion and development of Ontario's regions, and future prospects of the tourist industry.  
CO ON PR

#### Tourism destination area study : Edmonton, Alberta

prepared for Alberta Tourism and Edmonton Convention and Tourism Authority. Edmonton : Pannell, Kerr, Forster, 1989. 2 v. : fold. maps. *Executive summary (xxi p.) laid in.* MICROLOG 90-03802 5 fiche

The purpose of this study is to inventory and assess the tourism resources primarily within Edmonton, and identify opportunities for tourism development.  
AL CU PR

#### Tourism development in the Rocky Mountain region of Alberta

Edmonton : Alberta Tourism, Planning Division, 1990. 51 p. : ill. *Task Force created at request of Alberta Ministry of Tourism.* ISBN 0-7732-0322-2  
MICROLOG 90-04266 1 fiche

Provides comments on the appropriateness of current tourism developments within the region; identifies those areas which are presently overdeveloped and those which are underdeveloped; provides recommendations on requirements needed to attract international visitors; provides recommendations on what could be done to increase the opportunity for visitors to experience the Rocky Mountains.  
AL CU PR

#### Le Tourisme hivernal des québécois durant la saison d'hiver 1986-87 : les skieurs alpins, les motoneigistes, les skieurs de randonnée

par P. Cluzeau. Québec : Ministère du tourisme, Direction de l'analyse et du développement, 1988. 186 p. : ill. Bibliogr. ISBN 2-550-18349-5  
MICROLOG 90-01702 2 fiche

A la fin de la saison d'hiver 1984-85, le ministère du Tourisme eut recours pour la première fois à un sondage afin d'évaluer les données permettant de quantifier le marché véritablement touristique dans le marché des pratiquants (des participants) de ces trois activités sportives pour certains, récréatives pour d'autres, de plein air pour d'autres encore, que sont le ski alpin, le ski de randonnée et la motoneige. La publication comporte les parties suivantes : les aspects méthodologiques ; le marché du ski alpin ; le marché du ski de randonnée ; et, le marché de la motoneige.  
CU PR QU

#### Tous ensemble pour l'égalité : aperçu des activités dans le domaine des relations raciales

Ottawa : Multiculturalisme et citoyenneté Canada, 1990. 36, 34 p. *Bilingue (Working together...)*. ISBN 0-662-57330-7  
MICROLOG 90-05570 1 fiche

Cette publication montre comment les responsables de Multiculturalisme et Citoyenneté Canada travaillent de concert avec les groupes communautaires, les associations, les institutions et les particuliers pour traduire dans les faits le programme d'action présenté l'an dernier. On y décrit diverses activités qui ont été financées ou entreprises en 1989 dans le cadre des six objectifs du programme d'action, soit : la sensibilisation au public ; l'adaptation des institutions face au pluralisme culturel ; l'aide aux organisations et groupements bénévoles ; les travaux de recherche sur le racisme et les façons de le combattre ; la participation de l'ensemble des institutions fédérales ; et, la collaboration avec les autres ordres de gouvernement.  
CA CU SA

#### Toward 2000 : building Canada's sport system

Canada. Task Force on National Sport Policy. Ottawa : Fitness and Amateur Sport, 1988. 78 p. : ill. *French ed. (Vers l'an 2000...)* : 90-00874/1.  
MICROLOG 90-00875 1 fiche

Contains the national goals for sport and the recommended actions for 1988-92 in order to accomplish these goals. It also deals with the financing required to implement the goals, and includes recommendations.  
CA CU

#### Toward 2000 : external consultation : a summary

Toronto : Ministry of Agriculture and Food, 1990. 24, 25 p. *Bilingual (Vers l'an 2000 : consultations...)*. ISBN 0-7729-6531-5  
MICROLOG 90-05759 1 fiche

The Ministry engaged in a consultation process with representatives of the agri-food industry as part of a larger process of reviewing its corporate goals, priorities and objectives for the 1990s. Consultation with the industry took place at a series of 14 meetings during October and November, 1989. At each meeting, groups discussed the issues to be faced over the next 5-10 years, if the Ministry has a role to play in these issues, and what it is. This report is a summary of the discussion on the environment; trade; animal welfare; government policy, programs and direction; land use/conservation/right to farm;

farm finance/income; and food safety/quality.  
AG ON PR SC

#### Toward 2000 : trends and implications : a discussion paper

Toronto : Ministry of Agriculture and Food, 1989. 27, 28 p. : ill. *Bilingual (Vers l'an 2000...)*. CSI 55101.204. ISBN 0-7729-6187-5  
MICROLOG 90-03873 1 fiche

This paper identifies six major topic areas: changing characteristics of the agriculture and food industry, trade, consumer concerns, environment, education, and financial prospects. Within each section the material is organized to reflect trends and implications for specific issues that have been identified by staff throughout the Ministry.  
AG ON PR SC ST

#### Toward a better age : report

British Columbia. Task Force on Issues of Concern to Seniors. Victoria : The Task Force, 1990. 66 p. ISBN 0-7726-1088-6  
MICROLOG 90-04425 1 fiche

Presents seven fundamental principles framed by the Task Force that the provincial government should observe when developing or deciding whether to support programs or services that meet the needs of seniors. It also identifies the various issues of immediate concern to seniors in connection with the six topics investigated by the Task Force: health and wellness, financial security, choice in housing, transportation access, personal security, and social and personal fulfillment.  
BC PR SA

#### Toward a common future : a report on sustainable development and its implications for Canada

by M. Keating. Ottawa : Environment Canada, 1989. iii, 47 p. : ill. Bibliogr. *French ed. (Vers notre avenir à tous...)* : 90-02367/1. ISBN 0-662-17184-5  
MICROLOG 90-02368 1 fiche

Canada was one of the first nations to begin a national debate on sustainable development through the National Task Force on Environment and Economy, launched in 1986 by the Canadian Council of Resource and Environmental Ministers. This paper is a synopsis of issues that have been in the public debate on the future of the environment. The first section examines some of the major problems that must be dealt with, including climate change and the greenhouse effect, the ozone layer, acid and toxic rain, nuclear winter, chemicals, waste and garbage, cutting the forests, polluting surface and groundwater, and the destruction of habitat for other species. The second section describes some of the changes that will be needed to start moving toward sustainable development, such as making energy sustainable, improving waste management, saving wildlands and wildlife and population control. The implications of these changes for governments, business, public interest groups, education, and individual behaviour are also addressed.  
• CA EV SC

#### Toward a management plan for the Seal Heritage River

by G. Dodds. Ottawa : Canadian Heritage Rivers Board ; Winnipeg : Manitoba Natural Resources, Parks Branch, 1990. iii, 28 p. : fold. maps. Bibliogr.  
MICROLOG 90-04953 1 fiche

In June 1987, the Canadian Heritage Rivers Board accepted the Province of Manitoba's nomination of the Seal River for designation as a heritage river. A river management plan is being prepared, with the first half of the process including public and government consultation to develop a draft plan. The publication of this draft plan begins the second



major stage of review. Heritage values are identified as recreational use, mining, hydro, and native use. Goals and objectives are set out for heritage, recreation, commercial and regional uses and a management program is given for each.

• CA CU MS PR

#### **Toward heritage legislation : a proposal for public review**

Victoria : Ministry of Municipal Affairs, Recreation and Culture, 1990. 23 p. ISBN 0-7726-1058-4  
MICROLOG 90-02643 1 fiche

Discusses the quality of B.C.'s heritage, the contribution of heritage resource, heritage conservation, provincial government conservation, and the need for new legislation. It also presents legislation proposals.  
BC CU JU PR

#### **Toward the 21st century : new directions for Canada's national museums**

edited by Leslie H. Tepper. Hull, Que. : Canadian Museum of Civilization, 1989. vii, 184 p. Bibliogr. (Directorate paper ; no. 5) *Papers are in English or French (En vue du 21e siècle...)* ISBN 0-660-50292-5  
MICROLOG 90-04487 2 fiche

Presents new directions in museum programming in thirteen papers representing a variety of perspectives. The first section places the national museums in the wider context of both a contemporary and historical setting and in relation to government policy. The next section contains essays by the three national museum Directors and the Assistant Director of the National Gallery. The final section contains views and perspectives on the changing roles of the national and regional museum communities.  
• CA CU

#### **Towards a framework for Native economic development policies and programs in Ontario : a discussion paper**

prepared by J. Phillip Nicholson Policy and Management Consultants and Onchiota Inc. Toronto : Ontario Native Affairs Directorate, 1987. 2 v. : ill. Contents: Vol. I : Main report and appendices A & B -- vol. II : Appendices C, D & E. ISBN 0-7729-2333-7  
MICROLOG 90-01860 4 fiche

Provides a common understanding of the facts related to native economic conditions, circumstances and prospects; identifies major gaps and shortcomings in available data on native socio-economic and business conditions, prospects and alternative strategies; identifies significant factors, issues and criteria which need to be addressed to develop an appropriate government strategy or framework to deal with native economic development policies and programs; outlines a series of guiding principles which might be used to direct and shape Ontario policies and programs in support of native economic development, and highlights possible implications for key Ontario ministries with programs relevant to native economic development.  
CO NP ON PR

#### **Towards a labour force strategy : a framework for training for women : an assessment**

submitted by the Ministers Responsible for the Status of Women, to the Annual Conference of First Ministers. Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. v, 16, v, 16 p. *Bilingual (Pour une stratégie de la main-d'oeuvre)*  
MICROLOG 90-02061 1 fiche

This assessment of the overall progress in implementing the measures outlined in 'Towards

a Labour Force Strategy: A Framework for Training for Women', summarizes the experiences of the federal, provincial, and territorial governments in implementing these measures. It also describes other challenges which must be addressed to bring about economic equality for women. In addition, it underscores the importance of renewing and broadening the commitment to improving girls' and women's equality in education and training at all levels, and to exploring the range of options to advance women's position in the labour force.

• CA LA PA SA

#### **Towards a labour force strategy : a framework for training for women : progress reports**

submitted by the Ministers Responsible for the Status of Women, to the Annual Conference of First Ministers. Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. viii, 81, viii, 90 p. *Bilingual (Pour une stratégie rapports d'étape)*  
MICROLOG 90-02073 2 fiche

In 1985, the First Ministers began to address the challenges of bringing a higher participation by women to all segments of the labour market by endorsing 'A Framework for Economic Equality for Canadian Women,' which outlined a number of initiatives designed to lead to equality for women in the labour force. In 1986, the Status of Women Ministers tabled a document entitled 'Towards a Labour Force Strategy: A Framework for Training for Women'. This document is the first report on progress made in implementing the initiatives identified in the 'Framework for Training'.

• CA LA SA

#### **Towards a new Alberta Land Titles Act**

Edmonton : Alberta Law Reform Institute, 1990. iii, 17 p. (Report for discussion ; no. 8) ISSN 0834-9037 ISBN 0-8886-4163-X.  
MICROLOG 90-07221 1 fiche

The purpose of this report is to state the Institute's tentative conclusion that Alberta should enact a statute along the general lines of the Model Land Recording and Registration Act in substitution for the Land Titles Act, and to invite comment on the Model Act.  
AL JU PR

#### **Towards a solid waste management master plan : a status report on Metropolitan Toronto's planning process**

Proctor & Redfern Group. Toronto : Metropolitan Toronto, Dept. of Works, Solid Waste Management Division, 1990. 235 p. : ill.  
MICROLOG 90-06469 3 fiche

This paper provides the basis from which public consultation and subsequent technical activities will be undertaken. The paper consolidates and summarizes information on the quantities, sources and types of solid wastes currently generated; identifies the study area and determines waste management needs and facility siting opportunities both within the Metro area and beyond it; responds to the waste diversion from landfilling objectives established by Metro Council and the province; develops solid waste management policies and long-term objectives for further consideration, establishes the philosophical and practical objectives upon which to form the basis of a system, outlines the basis for establishing a 40-year or longer master plan; establishes a rationale and approach to develop and then evaluate alternative approaches to manage solid waste over the next 20 years and longer; and identifies evaluation factors for subsequent Metro studies leading to the development of the master plan.

EV MU ON SC

#### **Towards a strategy for adapting to climate change in Alberta**

prepared for Alberta Agriculture, Alberta Environment, Alberta Forestry, Lands and Wildlife, Alberta Technology, Research and Telecommunications, and Alberta Research Council. Edmonton : Alberta Research Council, Resource Technologies Dept., 1989. vi, 79 p. : ill., maps. Bibliogr.  
MICROLOG 90-02879 1 fiche

There is a growing consensus among scientists that the earth's temperature is warming due to an increase in the "greenhouse effect" caused by carbon dioxide and other gases. The purpose of this study is to provide a preliminary assessment of these global effects on Alberta's climate.

AL CI EV PR

#### **Towards a sustainable approach : natural resource development and environmental protection in the Northwest Territories**

by Z. Osberg and S. Hazell. Yellowknife : Legislative Assembly, Special Committee on the Northern Economy, 1989. iii, 46 p. Bibliogr. ISBN 0-7708-5817-1  
MICROLOG 90-02637 1 fiche

Discusses the challenges facing the NWT as it tries to develop the Territories' natural resources while, at the same time, protecting the environment. It also describes the concept of sustainable development, and contains recommendations.

EV NO NP NR PR

#### **Towards an achieving society : final report**

Newfoundland. Task Force on Mathematics and Science Education. St. John's : The Task Force, 1989. xviii, 313 p. : ill. Bibliogr.  
MICROLOG 90-00533 4 fiche

Determines the extent of the problems in mathematics and science achievement at both the secondary and post-secondary levels, and the causes of the problems which have been identified in mathematics and science. It recommends specific actions to improve participation and achievement rates in mathematics and science at both the elementary-secondary and post-secondary levels.  
AP ED PR

#### **Towards an old growth strategy : summary of the Old Growth Workshop**

by B. Fraser. Victoria : Ministry of Forests, Integrated Resources Branch, 1989. 39, vi p. *Executive summary (6 p.) laid in.*  
MICROLOG 90-03845 1 fiche

Summary of the results of the workshop on old-growth forest strategy, including definitions, objectives, priority issues, information needs, criteria for developing old-growth forests, and recommendations for action.  
BC FO PR SC

#### **Towards an SOE reporting action plan : opportunities to 1993**

Ottawa : Canadian Wildlife Service, State of the Environment Reporting Branch, Strategies and Scientific Methods Division, 1989. 19 p. (Technical report series ; no. 3)  
MICROLOG 90-06283 1 fiche

This publication outlines a summary of the context and importance of SOE reporting, as well as the federal government's legislative responsibilities in this area. It presents the framework for SOE reporting the definition, long-term goals, and approach. It also includes a description of the strategies designed to achieve these goals and guide more detailed SOE program activities.

• CA EV SC



### Town of Athabasca parking study

Edmonton : Alberta Municipal Affairs, Planning Branch, Parkview Unit, 1989. 16 p. : maps. MICROLOG 90-05860 1 fiche

It was determined in the summer of 1989 that there was a lack of parking space in the town of Athabasca. It was also recognized that in order to define the problem more clearly, more data on actual parking characteristics and habits were needed. In September, 1989 the Planning Branch was asked to do a detailed parking study of the town's business core. This report summarizes the data collected over two days in October, 1989. The study represents a 'snapshot' in that it only identifies the parking pattern for a particular time period. AL MU PL PR SC TR

### Town of Newcastle : health study report

by B.C. Balram. Fredericton : Health and Community Services New Brunswick, 1990. vii, 78, vii, 75 p. Bibliogr. *Bilingual (Ville de Newcastle : étude...)*. CSI 45125.202. MICROLOG 90-06560 2 fiche

This is the final report of the study which was commissioned Aug. 31, 1988. The main objectives of this study are to validate the cancer statistics of Newcastle and evaluate the health status of its residents. Included in this report are a set of recommendations which resulted from the findings of this health study. AP HE MU ST

### Toxicity of methoxychlor to fish

Vegreville, Alta. : Alberta Environmental Centre, 1990. vi, 82 p. : ill. Bibliogr. MICROLOG 90-07273 1 fiche

Methoxychlor (MEO-DDT), the p,p1-methoxy analogue of DDT, is a broad-spectrum chlorinated hydrocarbon insecticide used mainly to control biting fly larvae, particularly black flies and mosquitoes, in surface waters. It is not nearly as persistent as DDT, and accumulates at a much slower rate than DDT, making its impact on non-target organisms minimal compared to that of DDT. In Alberta, the main environmental interest surrounding the use of methoxychlor is its application to the Athabasca River to control black fly larvae in the vicinity of the Town of Athabasca. This study examines the acute, subacute and chronic effects of methoxychlor to fish, principally rainbow trout. Residues were determined in water, sediment and fish samples from the major subprojects of the study. AL EV FI PR SC

### La Toxoplasmose : un résumé des risques sur le plan professionnel

par E. Counter. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1989. i, 6 p. Bibliogr. ISBN 0-660-92757-8. MICROLOG 90-02174 1 fiche

La toxoplasmose est une maladie infectieuse transmise aux hommes par les animaux. C'est une maladie commune rarement diagnostiquée parce que la plupart des personnes contaminées ne tombent pas malades. Chez ceux qui présentent des symptômes, la maladie est bénigne et se traduit seulement par une enflure des ganglions lymphatiques et un léger malaise. Selon certaines estimations, un tiers des Canadiens ont été infectés. Le nombre de cas de toxoplasmose reliés au travail est inconnu. Ce document fait la lumière sur cette maladie. ● CA EV HE LA SC

### Trace element geochemistry and till provenance in The Pas-Flin Flon area, Manitoba

by E. Nielsen and H.D. Groom. Winnipeg : Manitoba Energy and Mines, Geological Services, Mines Branch, 1989. iii, 20 p. : ill.,

maps. Bibliogr. (Open file report ; OF89-3) MICROLOG 90-02348 1 fiche

Regional basal till investigations and surficial geological mapping were conducted throughout much of northwestern Manitoba to provide baseline geochemical and surficial geological maps to assist the mineral exploration industry in the search for mineralization. These geochemical surveys were restricted to areas underlain exclusively by metasedimentary, metavolcanic and intrusive rocks of Precambrian age. Difficulties in correlation arise when till sheets are traced across different bedrock lithologies and physiographic regions, since till correlation is essential in any area to determine the sequence of glacial events. This regional till sampling program was undertaken in The Pas-Flin Flon area to document trace element geochemical, petrographical and textural changes in the surface till across the Precambrian-Paleozoic boundary and to elucidate the ice flow history of the area. MS NR PR PS SC

### Trace metals in the marine bird food chain downstream from the El Salvador Copper Mine, Chile

by K. Vermeer and J.C. Castilla. Ottawa : Canadian Wildlife Service, Pacific and Yukon Region, 1989. 16 p. Bibliogr. (Technical report series ; no. 83) ISSN 0831-6481 ISBN 0-662-17374-0. MICROLOG 90-06285 1 fiche

Untreated mining wastes are discharged through a semi-artificial canal directly to the marine shore from the El Salvador copper mine in northern Chile. Since no chemical analyses of marine organisms has been conducted along the 20 km beach area contaminated with tailings, a pilot study was initiated in the last weeks of November 1981 and March 1982 to determine trace metal residues in beach deposits, algae, marine invertebrates, marine birds and prey from their stomachs. This report presents the results of the analysis. ● CA EV LS SC

### Tracer gas used for the mine fire simulations

by G.W. Klinowski and D.J. Kennedy. Ottawa : Canada Centre for Mineral and Energy Technology, Coal Research Laboratories, 1989. vi, 30 p. : ill. (Report ; CRL 89-87(TR)) MICROLOG 90-03377 1 fiche

Over the past 7 years, the Cape Breton Coal Research Laboratory has designed, built, tested and proved the necessary hardware, software and methodology of tracer gas based surveying techniques for mine gas ventilation. Tracer gas based ventilation techniques can be and were used in many problematic situations where the standard ventilation methods are inadequate, such as the emergency imposed by a mine fire. During the fire simulation exercise, tracer gas release systems emulating the fire are positioned in sensitive locations within the mine. The tracer gas concentrations in air samples collected in strategic points of the mine indicate their 'contamination' levels. Simulations undertaken at the Orchard Valley Mine were planned to assert the integrity of so-called 'smoke-free' roadway and to gain knowledge of the smoke distribution patterns in the event of fires erupting in 2 different locations within the mine. The performance, portability and flexibility of the equipment was also tested. ● AP CA CM NR PS SC

### Tracing the proceeds of the Ontario Lottery Corporation

by J. Wilson. Toronto : Ontario Legislative Library, 1988. 12 p. Bibliogr. (Current issue paper ; no. 84) ISSN 0835-0299 MICROLOG 90-03984 1 fiche

Presents information on the distribution of net proceeds of the Corporation, and the effects of Bill 119 including net profits of the Corporation, discretionary appropriation, disclosure, and the transitional clause. CI CU ON PR

### Track/train dynamics, vol. 7 : 1987

prepared for Transportation Development Centre, Transport Canada ; by Research and Development, Canada Pacific. Montreal : Canadian Pacific Limited, Research and Development, 1987. vi, 130 p. : ill. Bibliogr. MICROLOG 90-07210 2 fiche

This final report is a collection of individual reports on research activities carried out under the shared-cost agreement between Canadian Pacific Ltd. and the Transportation Development Centre from March 1987 to April 1988. The collection includes results of field evaluation, of AWC low alloy rail and NKK-AHH rail, and an analysis of the effect of tangent track grinding on reducing truck hunting. CA PS SC TR

### Trade in services : a theoretical analysis

by J.R. Melvin. Halifax : Institute for Research on Public Policy, 1989. xxxix, 195 p. : ill. Bibliogr. ISBN 0-88645-090-X. MICROLOG 90-04265 3 fiche

Report on a research program on the growth of the service sector internationally and the new activities which now come within its range, such as a separation in space and time between the ultimate recipient of services from the original producer of those services, or value-added services. This report covers 4 aspects of the overall problem. The first aspect explores the various branches of economic theory to determine the positive and normative aspects of trade in services; the 2nd aspect explores the role played by the service sector in the growth of regional economies; the 3rd aspect consists of a series of case studies in transportation, financial services, computer and telecommunications, engineering services and real estate development and management which explore the determinants of competitive position; and the last aspect examines legal, institutional and negotiating issues particular to trade in services. ● CA CO SC

### Trade unionism in Canada

by J. Deweteling. Ottawa : Library of Parliament, Research Branch, 1989. 28 p. Bibliogr. (Backgrounder ; BP-203E) *French ed. (Le Syndicalisme au Canada) on the same fiche.* ISBN 0-660-13308-3. MICROLOG 90-01887 1 fiche

The trade union movement in Canada, from its beginning in the early 1800s to the present day, has witnessed many fluctuations in the growth of union membership and many changes in the composition of that membership. This paper examines the movement in Canada. It reviews its historical background, and union membership over time. It also describes changes in the nature of bargaining proposals, and explores the future of the trade union movement in Canada. CA CI LA

### Traffic accident statistics, 1988

Victoria : Ministry of Solicitor General, Motor Vehicle Branch, 1989. 295 p. : ill. CSI 37118.004 ISSN 0847-1517 MICROLOG 90-02254 4 fiche

This document supplies summary statistics, the month, day of week, and hour of accidents, and major contributing factors of accidents. It also includes information on victims, pedestrians, safety equipment, environmental factors, accident configurations, licensed drivers, alcohol related accidents, motorcycle accidents, school bus



accidents, public bus accidents, commercial vehicle accidents, heavy commercial vehicles, and bicycle accidents. It provides accident and victim summaries by jurisdiction.  
BC PR SC ST TR

#### Traffic safety initiatives : discussion papers

Victoria : Ministry of Solicitor General, 1990. 26 p. ill.  
MICROLOG 90-06811 1 fiche

This document contains a traffic safety directorate which proposes a model for traffic safety comprised of 5 main components. It also presents three early intervention programs for drivers: the simplified traffic offender program, the short term accident review, and the habitual offender prevention and enforcement program.  
BC PR SC TR

#### Training : an answer to the challenge of office automation

by J. Lyrette. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Centre, 1987. 18 p. Bibliogr. This paper was prepared for the conference entitled *Computer in Education. French ed. (Un Défi : la bureautique...)* : 90-05454/1.  
MICROLOG 90-05455 1 fiche

Defines the phrase 'office automation' and explains how the reality it describes constitutes a major challenge to business. It also discusses training as a significant dimension of office automation, and indicates the new demands that work automation will impose on the school system.  
CA LA

#### The Training and certification of Alberta's skilled work force : discussion paper

Edmonton : Alberta Career Development and Employment, 1990. 85 p.  
MICROLOG 90-06682 1 fiche

Outlines the content of the proposed legislation, how it relates to the existing Manpower Development Act, and reasons for the proposed changes. It provides answers to some of the questions which may arise respecting the effect of implementation of the proposed legislation.  
AL LA PR

#### Training and the labour market : a challenge

Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 7, 11 p. *Bilingual (La Formation et le marché...)*. Presented at the Annual Conference of First Ministers.  
MICROLOG 90-02069 1 fiche

This document discusses the proposed Ontario Training Board, a Board composed of business and labour representatives which would be vested within the terms of its mandate to provide strategic direction and assume direct responsibility for worker training and related activities, as a response to the challenge of training and the labour market.  
LA ON PR

#### The Training decision : training in the private sector

Toronto : Ministry of Skills Development, 1989. vi, 43 p. : ill. Bibliogr. *French ed (La Formation professionnelle et...)* on the same fiche. ISBN 0-7729-5373-2  
MICROLOG 90-00401 2 fiche

Discusses a rationale for why firms train, and identifies firms which do train. It also examines the training decision and the external labour market, the organization and administration of training in private firms, private sector's view on the role of government in training, and private sector training and government assistance programs.  
LA ON PR

#### Training needs assessment of the clothing and footwear manufacturing sector in Alberta

for Alberta Career Development and Employment ; by Woods Gordon. Edmonton : Woods Gordon, 1988. vi, 64 p.  
MICROLOG 90-06685 1 fiche

This is the final report on the training needs of the clothing and footwear manufacturing industry. It presents recommendations under 3 scenarios: government assigns a high priority to industry; government is uncertain as to the level of priority to assign; and government assigns a medium priority to the industry.  
AL LA PR

#### Le Traité sur la non-prolifération des armes nucléaires (TNP)

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1989. 2 p. Bibliogr. (Fiche d'information ; 10) *L'éd. anglaise (Non-proliferation treaty...)* sur la même fiche. ISBN 0-662-95688-5  
MICROLOG 90-01582 1 fiche

Fiche d'information fournissant des renseignements sur le Traité sur la non-prolifération des armes nucléaires (TNP).  
• CA EX

#### Trans-boundary air quality relations

by J.E. Carroll. Orono, Maine : University of Maine, Canadian-American Center, 1990. 23 p. Bibliogr. (Canadian-American public policy ; no. 2) ISSN 1047-1073 ISBN 0-89101-076-9  
MICROLOG 90-06517 1 fiche (Available on fiche only)

The literature on air quality and international environmental relations, including Canadian-U.S. environmental relations, has burgeoned in the last decade but still lacks discussion connecting these transnational air pollution questions to broader concerns of the nation and society. This paper begins with a general treatment of questions of sovereignty, then discusses specific instances of Canadian-U.S. transboundary air quality history, describing the broader implications of what otherwise may appear to be site-specific matters of local concern. The broader issues of acid rain are then discussed, with possible remedies suggested.  
• CA EV EX SC

#### Transactions of the Royal Society of Canada, 1988 : fifth series, vol. III

Royal Society of Canada. Symposia (1988). Ottawa : Royal Society of Canada, 1988. 218 p. : ill., maps. Bibliogr. *Reports are in language of presentation, English or French.* CSI 22317.001. ISSN 0035-9122  
MICROLOG 90-06992 3 fiche

These transactions cover changes and challenges to Canadian water resources, including water use in the 21st century, acid rain, wetlands, and climate change; urban affairs; population growth in Canada; and reproductive technology, abortion and women's roles. Biographies of deceased fellows and a list of publications are also included.  
CA CU ED SC

#### Transactions of the Royal Society of Canada, 1989 : fifth series, vol. IV

Royal Society of Canada. Symposia (1989). Ottawa : The Society, 1990. 449 p. : ill. Bibliogr. *Reports are in the language of presentation, English or French (Mémoires de la Société...)*. CSI 22317.001. ISSN 0035-9122  
MICROLOG 90-04486 5 fiche

The Society is a national academy whose object is the promotion of learning and research in the arts and sciences. This publication contains papers delivered to the Society including the presidential address

entitled 'Why are Canadians Dying Out?'  
CA CU ED

#### Transfer and machine translation modularity

by P. Isabelle and E. Macklovitch. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1986. 12 p. : ill. Bibliogr. *French ed. (Transfert et modularité en...)* : 90-05625/1.  
MICROLOG 90-06535 1 fiche

The transfer components of typical second generation (G2) mechanical translation (MT) systems do not fully conform to the principles of G2 modularity, incorporating extensive target language information while failing to separate translation facts from linguistic theory. The exclusion from transfer of all non-contrastive information leads to a system design in which the three major components operate in parallel rather than in sequence. It is also proposed that MT systems be designed to allow translators to express their knowledge in natural metalanguage statements.  
• CA PS SC

#### Transfer of suspended particles from liquid effluents of nuclear generating stations through the environment

by F.J. Devereaux. Ottawa : Atomic Energy Control Board, 1989. ii, 23 p. Bibliogr. (Report ; INFO-0324)  
MICROLOG 90-04397 1 fiche

Due to the complexity of the environmental transfer of suspended particles in aquatic systems, the available literature usually deals with specific pathways and mechanisms of the transfer process. This paper gives a brief overview of the entire transfer process, including potential routes of transfer in both the marine and freshwater environments, and tentative conclusions.  
CA EN EV SC

#### Transfert et modularité en traduction automatique

par P. Isabelle et E. Macklovitch. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1986. 12 p. Bibliogr. *L'éd. anglaise (Transfer and machine translation...)* : 90-06535/1. ISBN 0-662-95515-3  
MICROLOG 90-05625 1 fiche

La modularité est une caractéristique qui définit les systèmes de traduction automatique de la deuxième génération. Les composantes de transfert des systèmes de traduction automatique (TA) de la deuxième génération (G2) les plus connus ne se conforment pas tout à fait aux principes de modularité des G2, car elles intègrent beaucoup trop d'informations sur la langue cible sans réussir à séparer les faits et la modularité en traduction automatique et en fait ressortir les points contrastifs de la théorie linguistique. Ce document porte sur le transfert saillant.  
CA PS SC TE

#### Transfert technologique pour les pêches du nord

Ottawa : Ministère des pêches et des océans, 1989. ii, 49 p. *Rapport du Atelier sur le transfert technologique pour les pêches auquel ont participé conjointement l'industrie et le gouvernement. Bilingue (Northern fisheries technology...)*. ISSN 0835-7005 ISBN 0-662-1051-0  
MICROLOG 90-04884 1 fiche

Cet atelier avait pour but de fournir une tribune qui permettrait aux participants d'échanger de l'information technique et de partager des expériences et des idées sur des activités de développement industriel. Il a surtout porté sur la pêche commerciale dans les régions de l'île Baffin, de Keewatin, du nord du Québec et du nord du Labrador. On y a



traitée des sujets tels la réduction des coûts/efficacité énergétique que permettent les programmes de formation concernant le transfert technologique pour le secteur d'exploitation, et initiatives de développement industriel pour les espèces sous-exploitées. On donne aussi plusieurs recommandations qui touchent ces questions.  
CA CF FI NO SC

#### Transformation reaction and corrosion behaviour of two zirconium-copper-molybdenum alloys

by H.M. Skelly and C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1969. iii, 31 p. : ill. Bibliogr. (Report ; R 204)  
MICROLOG 90-04511 1 fiche

Investigation to determine the transformation reaction of a Zr-1.0% Cu-1.5% Mo alloy quenched from the beta phase and aged at 500C (930F) and to observe any anomalies in its corrosion behaviour during transformation when tested in steam at 400C (750F) and 1500 psi. The corrosion behaviour of a second alloy, Zr-0.5% Cu-0.5% Mo was also examined. Micro-examinations were made of the corrosion film during transformation and an electron-probe microanalyser was used to investigate the composition of the intermetallic phases.  
● CA CM NR PS SC

#### Transformation reactions and mechanical properties of zirconium alloys containing copper and molybdenum

by C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1960. i, 22 p. : ill. Bibliogr. (Report ; PM-R 60-6)  
MICROLOG 90-04670 1 fiche

At the present time, zircaloy is generally considered to be the most attractive material available for water-cooled power reactor fuel cladding and core components such as pressure tubes, but projected power reactor designs already require a better material having improved mechanical properties and corrosion resistance at the higher operating temperatures contemplated. As part of the Canadian program directed toward natural uranium fuelled power reactor development, a study of zirconium-based alloys containing between 1 and 2 wt% copper, combined with from 1.5 to 2.5 wt% molybdenum was made. In this investigation, the effects of solution and ageing heat treatments were examined in metallographic structure and resulting room temperature mechanical properties. An assessment of hot working fabrication characteristics was also made.  
● CA CM NR PS SC

#### Transient annealing characterization of irradiated MOSFETs

by T. Cousins and K.M. Qureshi. Ottawa : Defence Research Establishment Ottawa, 1990. xiii, 36 p. : ill. Bibliogr. (Report ; no. 1030)  
MICROLOG 90-05773 1 fiche

The electrical response of metal-oxide-silicon (MOS) technologies to incident nuclear (especially photon) radiation is a very complex, time-dependent function. This report reviews the physical processes governing this response and then experimentally examines them with the aid of the TATS-400 (Transient Annealing Test System). MOSFET responses to steady-state and pulsed photon and electron beams are characterized in terms of such parameters as threshold voltage shift and interface and oxide trap densities.  
CA PS SC

#### Transit and the environment

TransVision Consultants Limited. Victoria : B.C. Transit, 1990. x, 163 p. : ill. Bibliogr.  
MICROLOG 90-06578 1 fiche

This report situates transit in the environment, evaluates its contribution to reducing air and noise pollution, indicates the constraints to which it is subject, and reviews the contribution which the various forms of transit make to preserving and improving the environment and the quality of life of urban dwellers.  
BC EV PR SC TR

#### Transit for physically disabled persons : 1988 fact book

Toronto : Ministry of Transportation, 1989. 143 p. : ill. CSI 55146.002.  
MICROLOG 90-04302 2 fiche

The fact book provides a summary of operating characteristics and results for those Ontario municipalities providing transit services for physically disabled persons during the 1988 calendar year. The data in the fact book has been derived from information supplied by the individual systems.  
ON PR SA ST TR

#### Transition houses and shelters for battered women in Canada

Ottawa : Health and Welfare Canada, Social Service Programs Branch, Family Violence Prevention Division, National Clearing House on Family Violence, 1989. 32 p. Bilingual (Maisons de transition...). ISBN 0-662-56662-9  
MICROLOG 90-01691 1 fiche

Lists houses and shelters by province, and within each provincial list, alphabetically by town or city. The transition houses are also categorized by length of stay. For security reasons, it only provides telephone numbers.  
BS CA SA

#### The Translator's workstation project

by E. Macklovitch and P. Isabelle. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1988. 36 p. French ed. (Le Projet de poste de travail...). : 90-05461/1. ISBN 0-662-16497-0  
MICROLOG 90-05453 1 fiche

Four papers tracing the evolution of the translator's workstation project. The first paper evaluates the functional specifications of Socioscope as proposed in 1986; the second paper gives a brief summary of the project and a questionnaire intended to determine translators' and managers' priorities for a workstation; the third paper describes the results of the tabulation of the questionnaires and the implications of those results for the design of a workstation for Secretary of State translators; and the final paper provides the actual functional specifications for such an installation of workstations.  
CA PS SC TE

#### Translocation of the growth regulator uniconazole (XE-1019) in silver maple saplings after trunk injection in the spring

by G.P. Arron. Toronto : Ontario Hydro, Research Division, 1989. vi, 36 p. : ill. Bibliogr. (Report ; no. 89-60-K)  
MICROLOG 90-00408 1 fiche

Growth regulators inhibit tree growth and the application of such products to the trees under distribution lines trimmed on a regular basis might reduce the rate of regrowth and decrease the frequency of trimming. This study determined the effect uniconazole, applied by trunk injection, had on the growth of field-grown silver maple saplings in the 18 months post application, the movement of the growth regulator in the saplings, and what concentration of applied growth regulator was

present in the foliage over the same period. The presence of metabolites from uniconazole in the foliage collected in the fall was also investigated.  
EV FO ON PR SC

#### Transmission line refurbishment study : tests on Kingston type steel transmission towers, Smiths Falls

by S.G. Krishnasamy. Toronto : Ontario Hydro, Research Division, 1989. vii, 73 p. : ill. (Report ; no. 89-79-K)  
MICROLOG 90-01177 1 fiche

A comprehensive program was initiated by Ontario Hydro to study the condition of existing older overhead transmission lines and to assess the condition and remaining life of conductors, hardware, insulators, structures and foundations. As part of the ongoing transmission line refurbishment study, 3 single circuit 115 kV, Kingston type suspension towers on rock-anchor foundations were tested to failure. The type of loads applied on the towers were chosen to represent unbalanced loads due to broken skywire and conductor, heavy ice, strong wind and wind-on-ice loads. Selected tower members and foundations were instrumented to measure the member loads, tower deflections and foundation movement during various stages of testing. The measured values were compared with the corresponding predicted values.  
EN ON PR PS SC

#### Transmission line refurbishment study : tower foundation testing and inspection, Halton Jct to Old Cooksville TS 'B' 115kV line

by R.H.K. Tsang and H.S. Radhakrishna. Toronto : Ontario Hydro, Research Division, 1989. i, 85 p. : ill., maps. Bibliogr. (Report ; no. 89-139-K)  
MICROLOG 90-01178 1 fiche

A foundation testing program was carried out for 115 kV McLaughlin-type towers in the Oakville area as a continuation of the transmission line refurbishment study. A section of line built in 1911 along the old Burlington to Manby right-of-way in the vicinity of Upper Middle Road and Trafalgar Road in the Town of Oakville was selected. This report includes a field inspection of selected lower locations, in situ testing of the backfill material and native soil, laboratory soil testing of native soil and backfill material, full-scale load testing of foundations at Tower No. 15, and excavation of grillage footings for visual inspection and calibrating the corrosivity measurements from the tower leg integrity monitor.  
EN ON PR PS SC

#### Transport and storage of fresh fish : excerpts from studies on containerization of lean fish

by J. Royrvik. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 29 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5227) Originally published in Norwegian. ISSN 0704-3716  
MICROLOG 90-02682 1 fiche

Paper on various methods of handling fresh fish to maintain their quality until the vessel returns to the shore. The paper compares the use of regular box storage, containers chilled with ice and sea water, containers chilled with ice and fresh water, and boxes with ice. Studies were conducted on temperature conditions during storage, weight yield from catch to consumer-ready product, and quality of the fillet product.  
● CA CF FI SC

#### Transport du charbon par chemins de fer : bibliographie sélective

par R.G. Maughan. Montréal : Transports



Canada, Groupe des politiques et de la coordination, Centre de développement des transports, 1989. vii, 79 p. Bibliogr. *Bilingue* (Rail transport of coal...). MICROLOG 90-07208 1 fiche

Document présentant une bibliographie sélective sur le transport du charbon par chemins de fer et les terminaux charbonniers, dans divers pays producteurs de charbon. Un total de 105 ouvrages, publiés entre 1978 et 1989, y sont recensés et commentés, précédés d'un tour d'horizon rapide concernant la technique des trains-blocs charbonniers. En somme, le document se penche particulièrement sur la production mondiale de charbon, le transport terrestre du charbon, les trains-blocs, le chargement des trains-blocs, le déchargement des trains-blocs, le prix du transport ferroviaire, les ports, et les distances parcourues par les trains-blocs. CA NR SC TR

### Le Transport routier des marchandises en lots brisés : axes de développement dans un environnement concurrentiel

par J. Roy. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 24 p. Bibliogr. (Publication ; no. 65b) MICROLOG 90-01431 1 fiche

Après un bref rappel des objectifs de cette recherche, ce document présente un résumé des principales réalisations en insistant davantage sur les quatre thèmes suivants. l'analyse de l'industrie du transport routier des marchandises au Québec; l'analyse de la situation du marketing dans les entreprises de camionnage; l'étude de la demande pour les services de transport routier des marchandises en lots brisés; et, les tendances du marché et quelques recommandations. PR QU SC TR

### Le Transport routier des marchandises et l'importance de la réglementation des charges

par J. Couture, C. Morin et G. Vaillancourt. Québec : Gouvernement du Québec, Ministère des transports, 1988. 51 p. : ill. Bibliogr. (Études et recherches en transports) (Systèmes de transport) ISBN 2-550-18882-9 MICROLOG 90-01786 1 fiche

Dans ce document, on traite de l'effet des charges axiales sur la chaussée, de l'importance du contrôle routier face à la réglementation des charges, et des moyens utilisés à la Direction du transport routier des marchandises du MTQ pour aider les transporteurs à faire une meilleure utilisation de leur équipement. PR QU SC TR

### Transport terrestre multimodal de conteneurs : problématique et modèles

par T.G. Cranic, P. Dejax et M. Gendreau. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 16 p. Bibliogr. (Publication ; no. 656) *Présenté au Colloque sur le développement des sciences et pratiques de l'organisation, et aux 4es journées francophones sur la logistique et les transports* MICROLOG 90-01430 1 fiche

Ce document examine la problématique et les principales composantes de la planification des opérations de transport terrestre de conteneurs: localisation des dépôts, prévision des flux de conteneurs vides requis pour rééquilibrer le réseau, détermination des itinéraires et modes de transport des conteneurs vides et pleins, gestion de la flotte et répartition, estimation des coûts et

demandes, etc. Le document se concentre particulièrement sur les aspects de modélisation des problèmes et présente une approche de modélisation intégré comprenant un modèle stratégique/tactique de localisation/distribution et un modèle stochastique et dynamique de répartition et acheminement. PR PS QU SC TR

### Transportation Development Centre (Canada) : Annual review 1988-89

Montréal : The Centre, 1989. vi, 35, vi, 35 p. : ill. *Bilingual*. CSI 22293.001. ISSN 0840-9854 ISBN 0-662-56870-2 MICROLOG 90-01649 1 fiche

Annual review of the Centre, summarizing its activities and achievements during the year. The review describes the Centre's role and function, and its research and development policy and funding. It also gives short descriptions of projects in marine, highway and multimodal, air and rail transportation, as well as transportation for elderly and disabled persons and the visiting experts program. Awards to the staff are listed. A financial statement is included. CA PS SC TR

### Transportation for disabled persons in Ontario : towards a strategy for the 1990's, vol. 1 : summary report

James F. Hickling Management Consultants Ltd. Toronto : Ministry of Transportation, 1990. iv, 30 p. Bibliogr. MICROLOG 90-03987 1 fiche

This document discusses disability in Ontario, philosophical and principal analytic issues of the first decade of provincial policy, the decade ahead, and the strategic policy and the planning process. CI ON PR SA TR

### Transportation for disabled persons in Ontario : towards a strategy for the 1990's, vol. 3 : appendices

James F. Hickling Management Consultants Ltd. Toronto : Ministry of Transportation, 1988. iii, 238 p. : ill. Bibliogr. MICROLOG 90-03979 3 fiche

This publication contains the following market related appendices: discussion of data base alternatives; projections; observations and data from special CHDS runs, and GO transit routes, catchment populations, ridership. It also includes the following policy related appendices: summaries and evaluations of current policies, programs, services for disabled travellers; relevant experience in other jurisdictions; evaluation of long list of options; detailed option studies; and human rights legislation. It presents the following generic appendices: list of acronyms and glossary of terms; and references and bibliography. CI ON PR SA TR

### Transportation for disabled persons in Ontario : towards a strategy for the 1990's, vol. 4 : detailed options studies, Appendix I

James F. Hickling Management Consultants Ltd. Toronto : Ministry of Transportation, 1988. iv, 236 p. : ill. MICROLOG 90-04982 3 fiche

Vol. 4 of a study to provide a basis for long term policy development and strategic planning in the provision of transport services for disabled people. This volume addresses detailed options for personal mobility, specialized and public transit in urban areas, rural areas, intercity services, and inter-regional services. ON PR SA SC TR

### Transportation in the '90s : regional plans for British Columbia

Victoria : Ministry of Transportation and Highways, 1990. 21 p. : maps. CSI 37118.005. MICROLOG 90-04853 1 fiche

In November 1988, the Government of B.C. formed 8 regional transportation committees to prepare transportation plans. These plans are detailed by region and include capital expenditures, actual construction, and planning or engineering studies. BC PR SC TR

### Transportation profile of the Greater Moncton area, 1989

Moncton, N.B. : Moncton Industrial Development, 1990. 20 p. MICROLOG 90-03782 1 fiche

This profile demonstrates the extensive network of transportation modes and facilities available to business and industry in the area. It includes a locator map. AP MU TR

### Transports dans le nord de l'Ontario : projets de construction, 1990-91

voir Routes provinciales : projets de construction, 1990-91

### Transverse cracking distress and vertical dynamic impact load from heavy truck axles : a feasibility study

by G.J. Chong, W. Stephenson and M.E. Wolkowicz. Toronto : Ministry of Transportation, Research and Development Branch, 1989. ii, 18 p. : ill. Bibliogr. MICROLOG 90-01343 1 fiche

Results of a feasibility study using the dynamic tire force trailer to develop a relationship between vertical dynamic impact loads and the transverse cracks which generated these loads. The development of such a relationship enables the establishment of a threshold criteria to aid pavement designers in the maintenance and rehabilitation design decision process. Test runs were done on the westbound lanes of Highway 401 between Tilbury and Windsor on pavement built in 1952-53. ON PR PS SC TR

### Le Travail à temps partiel -- Rév.

par M. Baker. Ottawa : Bibliothèque du Parlement, Service de recherche, 1989. 17 p. Bibliogr. (Bulletin d'actualité ; 85-7F) *L'éd. anglaise (Part-time work) sur la même fiche.* ISBN 0-660-92898-1 MICROLOG 90-05730 1 fiche

Au cours des trois dernières décennies, la proportion des travailleurs à temps partiel est passée de 3,8 p. 100 de l'ensemble des personnes ayant un emploi au Canada en 1953 à 15,6 p. 100 en 1986. Depuis quelques années, des chercheurs prédisent qu'à la fin du siècle, plus de 20 p. 100 des personnes occupant un emploi au Canada pourraient travailler à temps partiel. L'an dernier, un plus grand nombre de personnes ont du accepter un travail à temps partiel, faute d'emploi à plein temps, ce qui a conduit certains syndicats et des groupements de femmes à revendiquer l'égalisation des salaires, des avantages sociaux et des conditions de travail. Ce document se penche sur cette question. CA LA



**Le Travail debout**

par A. Drewczynski. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. ii, 8 p. : ill. ISBN 0-660-92414-5 MICROLOG 90-01998 1 fiche

Lorsqu'on travaille debout régulièrement, il arrive qu'on souffre de douleurs aux pieds, d'enflure des jambes, de varices, de fatigue musculaire générale, de douleurs lombaires, de raideurs dans le cou et les épaules et de divers troubles de la santé. Même lorsqu'on se tient debout immobile, il faut un effort musculaire considérable pour tenir le corps droit. Ceci a pour effet de réduire l'irrigation sanguine dans les muscles tendus. Cette insuffisance de l'irrigation sanguine fait qu'on se fatigue plus rapidement et il en résulte des douleurs dans les muscles des jambes, du dos et du cou qui servent à tenir le corps droit. Ce document se penche sur les risques pour la santé du travail debout.

• CA HE LA

**Le Travail et les syndicats au Canada**

par B.D. Palmer. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 43, 38 p. : ill. Bibliogr. (Réalités canadiennes) *Bilingue (Work and unions...)*. ISBN 0-662-56297-6 MICROLOG 90-00858 1 fiche

Ce document donne des renseignements sur les domaines suivants: l'histoire du travail au Canada; l'évolution de la structure professionnelle; les femmes et le travail; la révolution de la micro-informatique; l'hygiène et la sécurité professionnelles dans les années 1980; les syndicats et les relations industrielles dans les années 1980; et, la promotion discrète de l'humanisation du travail et la qualité de la vie au travail.

CA LA

**Travail et nouvelles technologies : quelques réflexions sur la productivité et le processus de changement suite à l'implantation bureautique**

par L. Deschênes. Laval, Québec : Ministère des communications, Centre canadien de recherche sur l'informatisation du travail, 1987. 20 p. Bibliogr. *Présentation dans le cadre du colloque: La Productivité et l'informatique. L'éd. anglaise (Work and new technology...)* : 90-04187/1 MICROLOG 90-04205 1 fiche

Lorsque l'on parle de bureautique, l'une des questions qui retient souvent l'attention est celle du rapport entre son coût et les gains qui sont potentiellement associés. Ce document se penche particulièrement sur la productivité du travail; la productivité organisationnelle; et, l'innovation et le changement organisationnel.

CA LA PS SC

**Travaux en cours dans le domaine des sciences géologiques au Canada, de mai 1988 à avril 1989**

préparé par Thomas E. Bolton : publié pour le compte du Conseil géoscientifique canadien. Ottawa : Energie, mines et ressources Canada, Commission géologique du Canada, 1989. 86 p. (Etude : 89-5) *Bilingue (Current research in the geological sciences...)*. CSI 22231.003. ISSN 0068-7650 ISBN 0-660-55556-5 MICROLOG 90-02032 1 fiche

Les projets de recherche énumérés sont exécutés surtout par des ministères fédéraux et provinciaux et par des universités. Un aperçu de l'activité de recherche scientifique au Canada pour la période visée dans le domaine de la géologie et des sciences connexes est

cependant fourni. Les projets sont groupés sous des titres généraux s'appliquant à la majorité des disciplines que comprennent la géologie et les sciences connexes. Une liste complète des organismes qui ont contribué à l'enquête a été dressée. Finalement, un répertoire alphabétique donne les noms de tous les enquêteurs et les numéros de référence des projets.

CA NR PS SC

**Tree growth responses to changes in the physical and chemical climate and methods to assess economic consequences**

by J. Maybank, E.E. Wheaton and G.C. Van Kooten. Regina : Saskatchewan Research Council ; University of Saskatchewan, Agricultural Economics Dept., 1989. 26 p. : ill. Bibliogr. MICROLOG 90-03578 1 fiche

Discussion of the search for and assessment of appropriate methodologies for climatic change impact assessment for the boreal forest of the Prairie provinces and the Northwest Territories and for the forest industry in these areas. Climate change scenarios are classified and some of their advantages and disadvantages are assessed, along with the implications of relevant methods and findings. A system design is applied to demonstrate and evaluate the linkages and feedbacks among components, including the economic component.

EV FO MS NO PR SC

**Treelined Lake area**

compiled by the staff of the Resident Geologist's Office, Kenora. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 19 p. : fold. maps. (Geological data inventory folio ; GDIF 476) MICROLOG 90-00707 1 fiche

Geological data inventory for the Treelined Lake area, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical surveys, results of a general index search, and selected references.

NR ON PR PS SC

**Treizième inventaire des oiseaux marins dans les refuges de la Côte-Nord : techniques et résultats détaillés**

par P. Brousseau et G. Chapdelaine. Sainte-Foy, Québec : Service canadien de la faune, Région de Québec, 1990. xi, 159 p. : cartes géogr. Bibliogr. (Série de rapports techniques ; no 96) ISSN 0831-6481 ISBN 0-662-95901-9 MICROLOG 90-06300 2 fiche

L'inventaire des refuges de la Côte-Nord de 1988 a démontré une augmentation générale des effectifs au niveau de toutes les familles d'oiseaux. La colonie de Pétrel cul-blanc à l'île du Corossol représente la plus importante concentration de cette espèce au Québec. Il existe présentement huit refuges d'oiseaux migrateurs sur la Côte-Nord mais dans le cadre de ce travail, on en considère un de plus, soit celui des îles au Perroquets et ce, dans le seul but de faciliter des comparaisons avec l'inventaire de 1982 ou des précédents en ce qui concerne les îles Sainte-Marie (inventoré depuis 1925). Le document présente les techniques et résultats détaillés du treizième inventaire des oiseaux marins dans les refuges de la Côte-Nord.

CA EV LS QU SC

**Tremblements de terre canadiens, 1985-86**

par R.J. Wetmiller...et al. Ottawa : Energie, mines et ressources Canada, Commission

géologique du Canada, 1989. iv, 25, iv, 25 p. : cartes géogr. (Etude : 88-14) (Série sismologique ; no 97) *Bilingue (Canadian earthquakes...)*. CSI 22282.002. ISSN 0068-7650 ISBN 0-660-55553-0 MICROLOG 90-02778 1 fiche

L'information sur 69 séismes qui ont été ressentis au Canada durant 1985 et 1986 paraît dans ce document. Des cartes régionales montrent les isoséistes de cinq séismes ressentis sur une grande étendue. De plus, on y trouve de l'information sur 32 séismes importants survenus au Canada durant ce siècle. Leurs emplacements sont précisés sur les cartes de la sismicité régionale, et un résumé de ces événements est présenté dans l'annexe. On indique aussi la répartition des stations sismographiques au Canada, la répartition des éléments associés aux limites de plaques actives dans l'ensemble du Canada, et la répartition relative des périls sismiques à long terme qui existent dans ce pays.

CA PS SC

**Trends : the Canadian university in profile, 1990**

Ottawa : Association of Universities and Colleges of Canada, Research, Policy and Planning Division, 1990. 119, 121 p. : ill. *Bilingue (Orientations : portrait...)*. CSI 99408.006. ISSN 0847-5482 ISBN 0-8876-122-8 MICROLOG 90-03600 3 fiche

This document presents the total university expenditures by fund; general operating expenditures by function; non-salary general operating expenditures by type of expenditure; total university income by source of funds; general operating income by source of funds; and sponsored research income by source of funds.

CA ED ST

**Trends in electronic vehicle monitoring technology (EVMT) applications**

by J. Tsai. Toronto : Ministry of Transportation, Transportation Technology and Energy Branch, 1988. 17 p. : ill. Bibliogr. MICROLOG 90-02630 1 fiche

Since the first microprocessor application to passenger cars in 1977, the number of electronically monitored and controlled vehicle functions for both commercial vehicles and private passenger automobiles has increased phenomenally. New electronic technologies such as mobile satellites, cellular radios, vehicle location and navigation, vehicle on-board micro-computers, artificial intelligence, automatic vehicle identification, automatic vehicle classification, weight-in-motion, and wide area vehicle monitoring have quickened the pace of technology applications in the transportation sector. This paper reviews the current and emerging electronic vehicle monitoring technology applications, discusses the possible inter-relationships of various applications being contemplated, and describes an interface concept to integrate electronic vehicle monitoring systems for future application consideration.

ON PR PS SC TR

**Trends in northern Alberta : a statistical overview, 1970-90**

Peace River, Alta. : Northern Alberta Development Council, 1990. vii, 151 p. : ill., maps. CSI 35180.202 MICROLOG 90-04251 2 fiche

Statistical overview of the Northern Alberta Development Council region from 1971-89. The publication presents a wide variety of information relating to northern Alberta and identifying relevant trends over the past 20 years. Information is given on population and demographics, socio-economic characteristics, infrastructure and services, and economic development by sector, such as industrial



development, manufacturing/retail/service trades, agriculture, oil and gas, forestry, fishing/trapping/wildlife, mining and tourism/culture/recreation.  
AL CO NO PR ST

### Trends in per capita consumption of energy in Canada

by R.P. Charbonnier and W.H. Harper.  
Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1967. 21 p. : ill. (Report ; FRC 67/104)  
MICROLOG 90-04546 1 fiche

Trends in the consumption of electricity per capita in Canada and the provinces during the last 3 decades, as well as variations in the real gross national product per capita.  
• CA CM EN SC

### Trends in sizes of breeding duck populations in western Canada, 1955-89

by K.M. Dickson. Ottawa : Canadian Wildlife Service, 1989. 9 p. : ill. Bibliogr. (Progress notes ; no. 186) *French ed. (Tendances des effectifs...)* : 90-06275/1. ISSN 0069-0023  
ISBN 0-662-17501-8  
MICROLOG 90-03255 1 fiche

Changes in the size of duck populations have been monitored annually since 1955 over nearly 3.6 million sq km of breeding habitat in Montana and North and South Dakota in the U.S., the Canadian Prairie provinces, the Mackenzie Valley of the Northwest Territories, and parts of Alaska. The results of these surveys provide information on abundance and distribution of duck populations, as well as changes in habitat, and form a basis for management of most duck species. This analysis presents an objective technique for identification of temporal trends in population indices despite the large annual variations, using route-regression analysis to describe patterns in duck population indices for the western survey area.  
CA EV SC

### Trends in the per capita consumption and utilization of energy in six selected countries

by R.P. Charbonnier and W.H. Harper.  
Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1968. 18 p. : ill. Bibliogr. (Report ; FRC 68/86-EPT)  
MICROLOG 90-04549 1 fiche

In order to compare the industrialization progress in various countries, their energy consumption and population data were obtained from a number of United Nations publications, and processed to find comparable indices of unitary consumption of the main energy sources. The study is limited to Canada, the U.S., Great Britain, France, West Germany and Sweden, generally considered as having reached a mature stage of industrial development and without general overpopulation problems. Data used is from 1950-65, and includes per capita energy consumption in total Btu calorific contents of the main energy resources used, and per capita energy consumption of liquid fuels (mainly oil products), solid fuels (mainly coal products), hydro-electricity and natural gas, as well as trends in the individual utilization of energy.  
• CA CM EN SC

### Trends in types of accident by occupation, 1984-88

Victoria : Workers' Compensation Board of British Columbia, Statistical Services, 1989. 142 p. *CSI 38161.201*  
MICROLOG 90-04449 2 fiche

Trends in types of accidents by occupation from 1984-88. The claim counts shown for

each year are the number of wage-loss injuries that occurred in the year and were accepted by the end of the first quarter of the following year. The claim counts include fatal and permanent disability claims. Data is given by broad and detailed occupational categories, by year and accident category.  
BC LA PR ST

### Trente-quatrième élection générale : rapport du Directeur général des élections conformément à l'article 193 de la Loi électorale du Canada, 1988

Canada. Bureau du Directeur général des élections. Ottawa : le Bureau, 1988. 1335 p. *Bilingue (Thirty-fourth general...)*. Annexes (94 p.) inclus. *CSI 22163.201*. ISBN 0-662-56678-3  
MICROLOG 90-04246 15 fiche

Le 34<sup>e</sup> parlement a été dissous le 1<sup>er</sup> octobre 1988 et les brefs ordonnant une élection générale ont été datés ce jour-là, ces brefs étant rapportables le 12 décembre 1988. Le document se penche particulièrement sur la période pour la prise de votes et le comptage des votes déposés.  
CA PA ST

### Tri-regional Economic Cooperation Committee : annual report

Ottawa : Canadian Intergovernmental Conference Secretariat, 1989. 3 p. *French ed. (Comité de coopération économique...)* on the same fiche. Presented at the Conference of the New England Governors and the Eastern Canadian Premiers.  
MICROLOG 90-00523 1 fiche

Presents a report of the year's activities, the business opportunities forum, a combined trade show and conference, the Halifax trade conference, states' and provinces' economic profiles, centres of excellence, and proposals for the new year.  
AP CA CO EX QU

### Trial run II : a cold weather clothing and equipment trial conducted on the west coast of James Bay

by R.J. Osceveski. Ottawa : Defence Research Establishment Ottawa, 1989. vii, 32 p. Bibliogr. (Technical note ; no. 89-14)  
MICROLOG 90-01283 1 fiche

This report describes the conduct of a nine-day trial of cold weather clothing and equipment carried out by four DREO personnel along the west coast of James Bay. It discusses the performance of the clothing, sleeping bags, stoves, tent, radios, snowmobiles, and sleds.  
CA PS SC

### A Trial to establish technical and commercial viability of cod frame mince recovery

Canpolar Inc. St. John's : Dept. of Fisheries and Oceans, Newfoundland Region, Fisheries and Habitat Management, Fisheries Development Division, 1988. vii, 25 p. : ill. (Canadian industry report of fisheries and aquatic sciences ; no. 197) ISSN 0704-3694  
MICROLOG 90-02239 1 fiche

The Canpolar mince washer technology was proved in principle at a fish plant during the late summer of 1987. The technology showed the potential to increase the productivity of an Atlantic Region fish plant from 5% to 15% by utilizing mince derived from cod waste as edible portions and for surimi feedstock. The prototype was redesigned over the winter of 1987/8. A demonstration program was undertaken to assess in-plant handling and production methodologies for collar and frame mince products of known quality and value; to assess the performance of the machine operating on the production line in a fish plant over an extended period; and to assess the production and market economics for full-scale

frame mince recovery materials.  
• AP CA CF FI SC

### Tribology Research for Canadian Industry : proceedings of the 5th ACOT research seminar

editors, R.L. Kushwaha, K.R. Brockwell.  
Ottawa : National Research Council Canada, Associate Committee on Tribology, 1990. iv, 104 p. : ill. Bibliogr.  
MICROLOG 90-07132 2 fiche (Available on fiche only)

Proceedings of the seminar, consisting of 23 research papers on friction, lubrication and wear problems encountered in industry, all connected to a specific industrial problem or application.  
CA NR PS SC

### Tribunal canadien du commerce extérieur : Rapport annuel 1989-90

Ottawa : le Tribunal, 1990. ix, 54, ix, 51 p. : ill. *Bilingue. CSI 22280.001*. ISBN 0-662-57610-1  
MICROLOG 90-07027 2 fiche

Document présentant le rapport annuel du Tribunal canadien du commerce extérieur pour l'exercice se terminant le 31 mars 1990. Il porte principalement sur les membres; le mandat et l'organisation, les faits saillants de l'année écoulée; les enquêtes et réexamens concernant le préjudice causé par le dumping et le subventionnement; les appels; les enquêtes sur les questions commerciales et tarifaires, les autres activités du Tribunal; et, l'administration.  
CA EX

### Tribunal de l'aviation civile du Canada : Rapport annuel 1989

Ottawa : le Tribunal, 1990. 29, 29 p. : ill. *Bilingue. CSI 22136.002*. ISBN 0-662-57170-3  
MICROLOG 90-04708 1 fiche

Présente le rapport annuel du Tribunal de l'aviation civile pour l'année civile 1989. Le document examine particulièrement l'objectif d'un programme qui vise à fournir aux milieux de l'aviation la possibilité d'en appeler des décisions d'application des règlements ou des peines imposées en vertu de la loi sur l'aéronautique.  
CA SC TR

### Trill Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 29 p. : fold. maps. (Geological data inventory folio ; GDIF 461)  
MICROLOG 90-00706 1 fiche

Geological data inventory for Trill Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of a general index search, and selected references.  
NR ON PR PS SC

### Trilobites from the Survey Peak, Outram and Skoki formations (Upper Cambrian-Lower Ordovician) at Wilcox Pass, Jasper National Park, Alberta

by W.T. Dean. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 141 p. : ill. (Bulletin ; 389) ISBN 0-660-13421-7  
MICROLOG 90-02314 2 fiche

Comprehensive description of the trilobites belonging to 48 genera from the Upper Cambrian to Lower Ordovician survey peak, Outram and Skoki formations at Wilcox Pass, Alberta. One new genus and 6 new species are described, and type material for 17



previously described species from corresponding strata elsewhere in the Rockies is redescribed or re-illustrated. This report establishes a biostratigraphic framework for the Wilcox Pass sequence, from the highest part of the Upper Cambrian trempealeau series through the entire Lower Ordovician, based on trilobite zones. Some evidence of diachronism between the succession at Wilcox Pass and strata in areas to the south is demonstrated. AL CA NR PS SC

#### Truck weight and dimension regulations and containers

by F.P. Nix, A.M. Clayton and J.R. Billing. Toronto : Ministry of Transportation, Transportation Technology and Energy Branch, 1990. ii, 23 p. : ill. Paper presented at the RTAC Annual Conference. MICROLOG 90-06139 1 fiche

Regulations governing truck weights and dimensions and standards on container weights and dimensions are closely related. The original container standards, established by the International Standards Organization (ISO) in 1964, were set with over-the-road movements, as compared to rail or marine movements, as the most limiting factor. Since the early 1970s, however, truck regulations have changed significantly and this has led to the use of an increasing number of non-ISO containers, resulting in suggestions for a new set of standards for large containers. This paper investigates the relationship between containers and truck size and weight regulations in Canada. ON PR SC TR

#### The Tubificid fauna *Oligochaeta*, *Tubificidae* of the Far Eastern seas of the USSR

by N.P. Finogenova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 21 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5221) Originally published in Russian, at Vladivostok, USSR. ISSN 0704-3716 MICROLOG 90-02688 1 fiche

Paper containing new data on the tubificids of the Sea of Okhotsk and the Pacific Coast of the Kuril Islands. The paper describes the *Phalodrilus timmi* Finogenova, sp. n. of the subfamily Phalodrilinae and a number of holotypes of the subfamily Tubificinae. Distributions are given for each, as well as a comparison of the different descriptions of *Tubificoides pseudogaster*. • CA CF FI LS SC

#### Tubificids *Oligochaeta*, *Tubificidae* of northern Lake Baikal

by L.N. Snimshchikova. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 35 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5288) Originally published in Russian, by Nauka Publishers at Novosibirsk, U.S.S.R. ISSN 0704-3716 MICROLOG 90-02127 1 fiche

Up to 1975, only 10 species of tubificids were known in Lake Baikal. The data on Baikal tubificids have been added to considerably in recent years. This paper describes oligochaete specimens collected from the benthos around the northern extremity of Lake Baikal from June to October from 1975-79. • CA CF FI LS SC

#### Tumors in rats caused by the damage resulting from the administration of malachite green to an ancestral generation

by G. Werth and V.V. Yevdokimov. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988.

20 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5426) Originally published in German. ISSN 0704-3716 MICROLOG 90-01520 1 fiche

After administration of toxic doses of malachite green, rats exhibit the reactions symptomatic of asphyxiation. Examination of the ECG shows signs of oxygen deficiency and reveals the same symptoms typical of deaths occurring at high altitude or in the decompression chamber. An experiment was then done to control the toxic effects of malachite green by administering an enzyme (cytochrome-c) which is important in cell respiration. These tests suggested that malachite green might poison the organism via the cytochrome system. This led to a series of tests involving generations of rats in which one group was administered malachite green, another group received malachite green and an intravenous dose of cytochrome-c and a third group received nothing. This paper describes the result of these experiments and speculates on their association with the development of cancers. • CA CF LS SC

#### Turbidity and selected water quality characteristics of the Fraser River at Hell's Gate, 1965-85

by J.A. Servizi and R.W. Gordon. Cultus Lake, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Cultus Lake Salmon Research Laboratory, 1989. iv, 11 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 755) ISSN 0706-6465 MICROLOG 90-00024 1 fiche

The Fraser River rises in the Rocky Mountains and flows 1,368 km through the interior plateau and Coast Mountains to its mouth near Vancouver. The river is highly turbid during most of the year owing to erosion. As part of a program to monitor selected water quality parameters, samples were collected at Hell's Gate between November 1965 and October 1985. Turbidity, temperature and river gauge height were measured throughout the study period on a nearly daily basis. Measurements of pH and conductivity commenced in November 1975. Suspended solids (non-filterable residue) were measured commencing January 1979. • BC CA CF EV NR PS SC

#### Turkey Point Provincial Park management plan, 1989

Toronto : Ministry of Natural Resources, 1989. 10 p. : maps. Bibliogr. ISBN 0-7729-3335-9 MICROLOG 90-01352 1 fiche

Turkey Point Provincial Park was established in 1959 and consists mainly of Crown land that was once part of the St. Williams Forestry Station on the north shore of Lake Erie, immediately north of Long Point peninsula and bordering Long Point Bay. This official plan covers objectives; park boundaries; zoning; resource management for landforms, vegetation and wildlife; operations; development; and implementation. A summary of the public consultation process is also included. CU ON PR

#### Turtle River Provincial Waterway Park : concept plan

Toronto : Ministry of Natural Resources, 1990. 25 p. ISBN 0-7729-6601-X MICROLOG 90-04235 1 fiche

Turtle River Provincial Waterway Park comprises approximately 160 km of lakes and rivers and contains a variety of interrelated natural and cultural features, many of which are considered of regional, even provincial significance. This document includes the concept plan for the park, including zoning, boundary adjustments, and management policies. Zoning for the natural environment, the nature reserve, historical/cultural features, and White

Otter Castle are included, as well as considerations for hunting, boat caches, mechanized travel, commercial tourism, and commercial bait services. CU ON PR SC

#### TV5 : bilan et perspectives

Canada. Comité consultatif sur TV5. Québec : Ministère des communications ; Ottawa : Communications Canada, 1990. 49 p. ISBN 2-550-20746-7 MICROLOG 90-07334 1 fiche

Le service de télévision TV5, créé en 1984, est le résultat de la collaboration de cinq réseaux de télévision européens de langue française, soit les trois chaînes françaises TF-1, Antenne 2 et FR-3, la Société suisse de radiodiffusion et télévision (SSR) et la Radio-Télévision belge de la Communauté française (RTBF) pour la Belgique. En 1985, des négociations furent entreprises en vue d'adopter à TV5 un partenaire canadien, et en janvier 1986, TV5 Europe incorporait à sa programmation des émissions canadiennes que lui fournissait le Consortium de télévision Québec-Canada (CTQC) créé à cette fin. Ce document présente un rapport portant principalement sur le bilan et les perspectives de TV5. • CA QU SC TE

#### Two species of *Chloromyxum* (Myxozoa: *Myxosporae*) in chum salmon : *Oncorhynchus keta* (Walbaum) taxonomy and life cycle

by S. Uruwa and O. Hiroi. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 16 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5240) Originally published in Japanese. ISSN 0704-3716 MICROLOG 90-02711 1 fiche

The protozoan *Myxosporidium Chloromyxum* parasitizes mainly the gall bladder of freshwater fish. Most reports on this parasite deal with morphology but the ecology remains virtually unknown. This paper describes the morphology of 2 species of sporozoan, using a scanning electron microscope. A taxonomic reexamination was also performed dealing with a known species. The seasonal variation in appearance rates in chum salmon is clarified and the relationship between this parasite and the life history of the host is discussed. • CA CF FI LS SC

#### Two steps forward : human-resource management in a high-tech world

edited by Gordon Belcher, Keith Newton and Joanne Godin. Ottawa : Economic Council of Canada, 1990. xi, 64 p. French ed. (*Une Double révolution...*) on the same fiche. ISBN 0-660-13589-2 MICROLOG 90-06439 2 fiche

This case book is about innovation in Canadian organizations. As such, it covers a variety of technologies in a number of industries. It focuses attention on the human side of the innovation process. It highlights the keys to successful innovation, and sets out directions that Canadian employers and workers might consider in order to make technology work for them. CA LA PA

#### Two- and three-phase relative permeability at elevated temperatures in heavy oil systems

by B.B. Maini. Calgary, Alta. : Petroleum Recovery Institute, 1989. vi, 114 p. : ill. Bibliogr. CANMET contract: 89019-01-SQ. MICROLOG 90-03386 2 fiche

In Part I of this report, a series of tests were conducted to evaluate the effect of flow rate on measurements by the displacement technique at



3 different temperatures. The unsteady-state measurements of relative permeability were compared with steady-state measurements in the same rock-fluid system. To evaluate the effect of viscosity ratio, relative permeability measurements were carried out with mineral oils of different viscosities. In Part II, 3-phase relative permeability measurements were carried out at 100C and 3.5 MPa pressure using the steady-state technique. The system used in these measurements comprised clean silica sand, a viscous mineral oil (500 mPa.s at 20C), de-ionized water and nitrogen gas. Stone's method I and II predictions of oil relative permeability were compared with the experimental data and the method I correlation modified. Data from 6 other sources were selected to test Stone's method I.  
• AL CA CM EN PS SC

#### Tyrone Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 16 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 471) MICROLOG 90-01090 1 fiche

Geological data inventory for Tyrone Township, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical surveys, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC

#### Tyrrell Township

compiled by the staff of the Resident Geologist's Office, Cobalt. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 68 p. : fold. maps. Bibliogr. (Geological data inventory folio ; GDIF 508) MICROLOG 90-05981 2 fiche

Geological data inventory for Tyrrell Township, including a checklist of data sources, references to metals and minerals, mineral occurrences by geographic area, type of exploration work by company or individual, drillhole summary by company, airborne geophysical survey data, geochemical survey data, newspaper clipping file, results of an ODM general index search, and selected references.  
NR ON PR PS SC

#### U.S. legislative protection for public sector whistleblowers

by D. Johansen. Ottawa : Library of Parliament, Research Branch, 1989. 31 p. Bibliogr. (Background ; BP-209E) French ed. (*La Protection accordée...*) on the same fiche. ISBN 0-660-13314-8 MICROLOG 90-01905 1 fiche

This paper discusses the U.S. statutory protection for whistleblowers in the public sector. The paper also refers to the present situation in Canada, where there is a lack of both the federal and provincial legislation protecting public sector whistleblowers. Finally, the paper refers to the Ontario Law Reform Commission recommendations for legislative protection for that province's public sector employees, modelled to some extent on the system in force at the federal level in the U.S.  
CA CI EX JU

#### U.S. Omnibus Trade and Competitiveness Act of 1988 : its implications for Canada

by A. Chapman. Ottawa : Library of Parliament, Research Branch, 1989. ii, 28 p. Bibliogr. (Background ; BP-208E) French ed. (*La Loi omnibus américaine...*) on the

same fiche. ISBN 0-660-13313-X MICROLOG 90-01904 1 fiche

Summarizes the major provisions that were included in the Act and examines the effects of the Act for Canada in light of the Free Trade Agreement with the U.S. Some of the issues presented include unfair foreign trade practices, anti-dumping, countervailing duty, import relief, intellectual property rights, telecommunications, agriculture, and foreign direct investment.  
CA CI CO EX JU

#### U.S. trade barriers and Canadian minerals : copper, potash and uranium

by D.G. Haglund and A. Von Bredow. Kingston, Ont. : Queen's University, Centre for Resource Studies, 1990. ix, 210 p. Bibliogr. (Monographs ; 25) ISBN 0-88757-101-8 MICROLOG 90-05347 3 fiche (Available on fiche only)

This paper examines the evidence of a trend toward increasingly protectionist activity on the part of trade policy-makers in the United States. It provides an analysis of the current international GATT-centric trading system, and discusses the history of trade legislation in the United States as a background for consideration of tariffs and non-tariff barriers to trade between the United States and other countries. Finally it examines the past and potential impacts of the Free Trade Agreement and the current round of the General Agreement on Tariffs and Trade on trade between Canada and the United States, with particular emphasis on copper, potash, and uranium.  
• CA EX NR

#### UBC informs newsletter, vol. 3, no. 1

by Sue Watts, editor. S.I. : Forest Resource Development Agreement, 1989. 23 p. (FRDA report ; 088) ISSN 0835-0752 ISBN 0-662-17162-4 MICROLOG 90-04430 1 fiche

This document contains information on Informs activities, Informs newsletter distribution, recent UBC Forestry undergraduate theses, research highlights, upcoming meetings, organizations of interest to vegetation managers, vegetation management modelling, computerized data bases, the Informs data base, Informs keyword listing, and Informs microcomputer version registration form.  
• BC CA FO NR

#### UI changes and New Brunswick : the impact of proposed unemployment insurance revisions on New Brunswick's labour force and economy : a study

commissioned by the New Brunswick Dept. of Labour ; by GMI Consultants, Inc. S.I. : The Corporation, 1990. v, 62 p. : ill. Bibliogr. CS1 45111.201. MICROLOG 90-06681 1 fiche

This study was commissioned by the New Brunswick Department of Labour to examine the potential impact of the proposed legislative changes to UI on the province's labour force and economy. The study's focus is restricted to major program changes and their primary implications for New Brunswick and its economic regions.  
AP LA PR

#### Uncertainty in exposure of underground miners to radon daughters and the effect of uncertainty on risk estimates : a research report

SENEC Consultants Limited. Ottawa : Atomic Energy Control Board, 1989. x, 292 p. : ill. Bibliogr. (Research report ; INFO-0334) MICROLOG 90-04407 4 fiche

An important problem in all epidemiological studies of underground miners is the reliability of the estimates of the miners' exposures. This study examines the various sources of uncertainty in exposure estimation for the principal epidemiologic studies reported in the literature, including the temporal and spatial variability of radon sources and changes to both mining methods and ventilation conditions. Uncertainties about work histories and the role of other hard rock mining experience are also discussed. The report also describes 2 statistical approaches, both based on Bayesian methods, by which the effects on the estimated risk coefficient of uncertainty in exposure can be examined. The regression model approach is applied to several published data sets from epidemiological studies of miners. Specific results are provided for each data set and apparent differences in risk coefficients are discussed. The studies of miners in the U.S., Ontario and Czechoslovakia are argued to provide the best basis for risk estimation at this time.  
CA LA NR SC

#### Unconditional grants proposal for 1989

Toronto : Association of Municipalities of Ontario, 1987. 16 p. (AMO report : report series 1987 ; 87-11) MICROLOG 90-00854 1 fiche (Available on fiche only)

This report outlines the Association's recommendations on general policy directions with respect to unconditional grants, and those issues which are still under consideration by the Association. It also presents the Association's recommendations for the 1988 provincial grants structure.  
MU ON PA

#### Unconditional grants proposal for 1989

Toronto : Association of Municipalities of Ontario, 1988. i, 14 p. (AMO report : report series 1988 ; 88-7) MICROLOG 90-00845 1 fiche (Available on fiche only)

Presents information on the Association's following recommendations: examination of the total unconditional grants allocation; examination of maintaining the differential in support grants between northern and southern Ontario; examination of splitting the general per household grant between upper and lower tier municipalities in regions; and examination of unconditional grants program in relation to slow growth municipalities.  
MU ON PA

#### Understanding and coping with blood-borne infections including AIDS in facilities directly operated by the Ministry of Community and Social Services

Toronto : Ministry of Community and Social Services, 1988. 55 p. ISBN 0-7729-4423-7 MICROLOG 90-02487 1 fiche

The document provides an overview on AIDS, its modes of transmission, methods of diagnosis, the legislative aspects, the management of clients with AIDS or HIV infections, precautions to prevent transmission of blood-borne infections including AIDS, occupational injuries, and administrative responsibility.  
HE ON PR SC

#### Unemployment in Canada : frictional, structural and cyclical aspects

by A. Burns. Ottawa : Economic Council of Canada, 1990. xi, 66 p. : ill. Bibliogr. (Working paper ; no. 1) French ed. (*Le Chômage au Canada...*) : 90-03225/1.



MICROLOG 90-03226 1 fiche (Available on fiche only)

Provides an estimate of the natural rate of unemployment and describes and quantifies the influences which various factors have had on the natural rate over the last quarter of a century.

• CA LA

### Unemployment insurance : recent decisions involving the Act and the Charter

by J.-D. Bélanger. Ottawa : Library of Parliament, Research Branch, 1989. 15 p. (Background ; BP-191E) *French ed. (Assurance-chômage...)* on the same fiche. ISBN 0-660-13296-6  
MICROLOG 90-01915 1 fiche

This paper examines the Canadian Charter of Rights and Freedoms as it affects unemployment insurance by looking at two cases: the Schachter case, benefits for natural fathers remaining at home; and the Tetreault-Gadoury Case, benefits for workers 65 years of age and over. For each case, it presents the facts and the decision.

CA CI JU LA

### The Uniform application of ALARA to all radiation workers

by C. Pomroy. Ottawa : Atomic Energy Control Board, 1988. ii, 15 p. Bibliogr. (Paper ; INFO-0329) *Paper presented at the annual meeting of the Canadian Radiation Protection Association.*

MICROLOG 90-04396 1 fiche

New information on the dosimetry and epidemiology of the atomic bomb survivors suggests that risk estimates may have to be revised upwards. This has focused increased attention on the ALARA principle, or optimization, as it is now known. This report explains optimization and the methods used in calculating it. It then applies the principle to various types of radiation workers in the 'nuclear industry', broadly interpreted to mean all licensed uses of radioactive material, including power utilities, uranium mine operators, and medical and research uses of radioactivity or radiation. An alternative approach to optimization calculation is suggested which entails the identification of sub-groups of workers with substantially higher doses to first discover the reasons for the higher than average doses, and to develop means to reduce them to the overall average.

CA HE LA SC

### Uniform General Safety Act : a discussion paper

Edmonton : Alberta Labour, General Safety Services Division, 1989. v, 94 p.  
MICROLOG 90-02289 2 fiche

Discusses the following parts of the proposed statute: administration, supervision, and enforcement; standards, certificates, and permits; boilers and pressure vessels safety; and fire safety.

AL JU PR PW

### Union internationale des instituts de recherches forestières, Congrès mondial, division 1 : comptes rendus

Union internationale des instituts de recherches forestières. Congrès mondial (19e : 1990 : Montréal, Québec). Hull, Québec : Comité d'organisation IUFRO, 1990. 2 v. : ill., cartes géogr. Bibliogr. *Les rapports sont dans la langue de présentation, français, anglais, allemand, ou espagnole (International Union of Forest...).*  
MICROLOG 90-06717 12 fiche

Ce document présente les résultats du Congrès mondial sur la science au service de la foresterie de l'IUFRO intitulé 'À l'aube du second siècle', qui s'est tenu à Montréal du 5

au 11 août 1990. Le document examine de nombreux sujets dans diverses langues dont: l'intensification de la sylviculture du Pin maritime dans les Landes de Gascogne (résultats et perspectives de recherches intégrées); l'étude des stations et de leurs potentialités forestières en France; le vieillissement des taillis en Italie (étude auxométrique et traitement de la futaie sur souches; les avantages d'une sylviculture dynamique pour le Douglas en France; les progrès récents dans la sylviculture des feuillus en France; l'intensification de la production de graines améliorées dans les vergers à graines français; les problèmes entomologiques des cèdres en France et en Europe; l'amélioration génétique, croissance et fructification du cèdre de l'Atlas en France méridionale; et, le cèdre de l'Atlas (répartition, croissance et traitement sylvicole).

• CA FO SC

### United Nations and disarmament

Ottawa : Canadian Institute for International Peace and Security, 1989. 2 p. Bibliogr. (Factsheet ; 9) *French ed. (Les Nations-unies et le désarmement)* : 90-01977/1. ISBN 0-662-17092-X  
MICROLOG 90-01581 1 fiche

Since 1945, the UN has developed extensive 'disarmament machinery', a term which refers to the various UN bodies that deal with the question of disarmament. This document outlines the more important of these bodies.

• CA CI EX

### The United Nations and international security

Ottawa : Canadian Institute for International Peace and Security, 1990. 2 p. Bibliogr. (Factsheet ; 12) ISBN 0-662-17583-2  
MICROLOG 90-06513 1 fiche

The UN is an organization of almost all the countries in the world. It was formed in 1945, at the end of WWII, in the hope of laying the foundation for a lasting peace in the world. This document provides historical background on the UN and describes its structure and system.

• CA EX

### University of Regina and University of Saskatchewan : Annual report 1988-89

Regina : Provincial Auditor, 1989. 27 p. CS1 99246.001.

MICROLOG 90-03453 1 fiche

Contains audited financial statements, and unaudited supporting schedules for the year ended April 30, 1989.

ED MS PR

### University of Saskatchewan : Annual report 1988-89

see University of Regina and University of Saskatchewan : Annual report 1988-89

### Unloading industrial fish : a study concerning unloading methods, equipment and economy

Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1985. 5 p. (Canadian translation of fisheries and aquatic sciences ; no. 5163) *Originally published in Danish.* ISSN 0704-3716

MICROLOG 90-00107 1 fiche

In 1982 the Hirtshals Fisheries Society implemented a project to develop more rational equipment for the unloading of industrial fish which would be more cost effective and less environmentally unfavourable. This report is a preliminary study to produce a technical/economic analysis of existing unloading systems, taking into consideration the cargo space equipment of vessels.

• CA CF FI SC

### Unwin Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 14 p. : fold. maps. (Geological data inventory folio ; GDIF 490)  
MICROLOG 90-03054 1 fiche

Geological data inventory for Unwin Township, including a checklist of data sources, metals and minerals referenced, mineral occurrences, exploration work by company, drillhole summary, general index search, selected references, and references for aerial photographs.

NR ON PR PS SC

### Updated summary of fish mercury data collected from six lakes on the Rat-Burntwood and Nelson River systems, 1983-89

by D.J. Green. Winnipeg : Manitoba Natural Resources, Fisheries, 1990. v, 277 p. : ill., maps. Bibliogr. (Manuscript report ; no. 90-10)  
MICROLOG 90-06271 3 fiche

Concern over public consumption of higher than acceptable levels of mercury in walleye and northern pike from the Churchill River diversion (Rat-Burntwood River lakes) led to the Northern Flood Agreement claim no. 12 in 1982, implementing monitoring of mercury in fish. The project was completed in 1985 and a further project on ecological monitoring was begun which included continued monitoring of muscle mercury levels in whitefish, walleye and northern pike from the same lakes. This report presents the vital data (sex, maturity, age, length, weight and muscle mercury levels) for individual samples taken between 1983-89.

EV FI MS PR SC

### Updates from representatives of the 22d annual Woodlot Extension Specialist Seminar

by D. Wilson. Fredericton : Forest Extension Service, 1989. 15 p.  
MICROLOG 90-01718 1 fiche

Notes on the updates of programs dealing with the better management of woodlots in Nova Scotia, Prince Edward Island, Ontario, Alberta, British Columbia, Saskatchewan, and Quebec.

AG AP PR SC

### Updating of the program for simulation of Darlington shutdown and regulation systems

Serdula Systems Limited. Ottawa : Atomic Energy Control Board, 1988. ii, 17 p. Bibliogr. (Research report ; INFO-0309)  
MICROLOG 90-01126 1 fiche

Description of the current status of the developments of a simulation of the Darlington Nuclear Generating Station shutdown and regulating systems, DARSIM. The DARSIM program simulates the spatial neutron dynamics, the regulations of the reactor power, and shutdown system 1 and shutdown system 2 software. The DARSIM program operates in the interactive simulation (INSIM) program environment. DARSIM was installed on the APOLLO computer at the Atomic Energy Control Board (AECB) and a version for an IBM-PC was also provided for the exclusive use of the AECB. Shutdown system software was updated to incorporate the latest revisions in the functional specifications. Additional developments were provided to assist in the use and interpretation of the DARSIM results.

CA EN ON PS SC



**Uppermost Devonian and lower Carboniferous stratigraphy, sedimentation, diagenesis, southwestern District of Mackenzie and southeastern Yukon Territory (NTS 95 B,C,F, and G)**

by B.C. Richards. Ottawa : Energy, Mines and Resources Canada, Geological Survey of Canada, 1989. 135 p. : ill., maps. Bibliogr. (Bulletin ; 390) *Fold. maps not filmed.* ISBN 0-660-13430-6  
MICROLOG 90-02989 2 fiche

Description of the uppermost Devonian and Lower Carboniferous strata that lie between the Mattson and Exshaw formations, including regional lithostratigraphy; characteristics, distribution, and depositional environments of the lithofacies; and the latest Devonian and early Carboniferous depositional history of the project areas. Some aspects of the diagenesis of the deposits are also discussed. The study is based chiefly on data from the outcrop belt of the Tournaisian and Viséan in the southern Mackenzie fold belt, but incorporates some data from well sections in the project area and the region to the east. Parts of the field seasons of 1975, 1976 and 1978 were spent in the study area.  
CA NO NR PS SC

**Uranium alloy development for non-nuclear application : progress report no. 2**

by N.S. Spence, H.M. Skelly and C.F. Dixon. Ottawa : Dept. of Energy, Mines and Resources, 1964. ii, 15 p. : ill. Bibliogr. (Investigation report ; IR 64-40)  
MICROLOG 90-04519 1 fiche

Description of the melting and alloying procedure used in the preparation of 3 uranium-based alloys (U-2%Mo, U-6% Zr-2% Nb and U-2% Mo-2% Zr-2% Nb-0.5% Ti). Details are given of heat treatment and swaging operations carried out on the alloys, and their mechanical properties are listed. Results of microexaminations are included.  
• CA CM NR PS SC

**Uranium in Canada : 1989 assessment of supply and requirements**

Ottawa : Energy, Mines and Resources Canada, 1989. vi, 37 p. : ill., maps. Bibliogr. (Report ; EP 89-3) *CSI 21110.014.* ISSN 0704-2256 ISBN 0-662-17311-2  
MICROLOG 90-06764 1 fiche

Report on the developments in the uranium industry during 1987 and 1988 and through the second quarter of 1989. An overview is given, followed by supply and requirements for the domestic nuclear power program, uranium sales commitments and the market outlook for both short- and long-term. A glossary of resource and production terminology is included, along with information on the uranium export policy and foreign ownership in the uranium mining sector.  
CA NR SC ST

**Urban housing problems and housing commercialization in China**

by L. Chen. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1988. 17 p. Bibliogr. (Comparative urban and regional studies ; no. 18) ISSN 0828-2412  
MICROLOG 90-05489 1 fiche (Available on fiche only)

This paper presents an overview of urban housing problems and the issue of commercialization of housing in China. In brief, commercialization of housing is the introduction of the treatment of the housing stock as a commodity rather than a welfare good. The paper examines the present systems of finance,

rent payment and housing tenure, and reviews current housing problems and their origin. It also identifies the rationale for and obstacles to the promotion of commercialization of housing.  
BC PR SA

**Urban land use change and modernization : from gas station to 7-11/24 hour video mini-complexes**

by V.S. Pendakur, L.M. Spitale and K.W. Krajczar. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1987. ii, 26 p. : ill. (Canadian planning issues ; no. 24) ISSN 0828-2390  
MICROLOG 90-05475 1 fiche (Available on fiche only)

The purpose of this study is to discern the site development impacts of land use changes resulting from the conversion of gas station sites to neighbourhood convenience complexes on arterial streets. All sites selected for the study are in the City of Vancouver. These impacts are examined in terms of accessibility, environmental quality, and the need for neighbourhood commercial activity.  
BC PL PR

**Urban transportation terminology**

by C.A. Bowman and J. Carey. Ottawa : Federation of Canadian Municipalities ; Translation Bureau, 1981. viii, 150, viii, 156 p. Bibliogr. (Terminology bulletin ; 169) *Bilingual (Terminologie des transports...).* ISBN 0-660-50811-7  
MICROLOG 90-04859 4 fiche

English-French, French-English glossary which provides equivalents in French for the most frequently used terms in public transit, bicycle and pedestrian facilities, types of roads, traffic engineering and transportation planning. Explanations of terms are given through a formal definition, the context of its use, and a usage sample. Each quotation is followed by a number which refers to one of the sources listed.  
CA SC TR

**Urban Waterfront Industry : planning and developing green enterprise for the 21st century : symposium report**

by Gene Desfor ; symposium sponsors Royal Commission on the Future of the Toronto Waterfront...et al. Toronto : The Commission, 1990. 30 p. Bibliogr. ISBN 0-660-17640-5  
MICROLOG 90-05568 1 fiche

On November 16, 1989, a 1-day symposium was convened to consider new ideas for developing environmentally sound industry on Toronto's port lands. This report summarizes the main ideas discussed and recommends procedures for advancing those ideas. It is based on a review of reports from the symposium workshops and on a distillation of the major concepts and suggestions put forward in workshop discussions. The paper examines current issues, problems and trends related to industry in the port lands, briefly reviewing current planning efforts and arguing that industry is essential for the waterfront; describes the history of the port lands and the problems and opportunities the past has left behind; details obstacles to environmentally sound industrial development and suggests possible policies to overcome those obstacles and encourage appropriate industry to locate there; and gives a brief summary and recommendations to the Royal Commission on the Future of the Toronto Waterfront. Information is also included on the participants, the schedule and the workshop discussion questions.  
CA EV MU ON PL SC

**Urban waterfronts : planning and development**

Toronto : Ministry of Municipal Affairs,

Community Planning Wing, Research and Special Projects Branch, 1987. i, 89 p. : ill., maps. Bibliogr. (Community improvement series ; volume 4) ISBN 0-7729-2263-2  
MICROLOG 90-04950 2 fiche

Resource handbook for planners, and others in the community, who are interested in waterfront development. The handbook gives an overview of the present situation in Ontario and the advantages to be gained from waterfront development projects; explains how the planning process and related planning tools can assist a municipality in carrying out a project; considers how to assess the potential and constraints; provides planning and design guidelines, based in part on the experience of Ontario communities to date; and looks at a cross-section of projects built in Ontario. Examples are given of waterfront programming, as are sample project costs, and a listing of Ontario resources and reference materials.  
ON PL PR SC

**The Uruguay Round at half-time : strengthening the trading system**

by J.M. Curtis...et al. Halifax : Institute for Research on Public Policy, 1988. ii, 50 p. *At head of title: International Economic Issues.*  
MICROLOG 90-02170 1 fiche

The papers contained in this publication are drawn from seminars held by the Institute in Vancouver on November 10 and in Toronto on November 29, 1988. The papers deal with the economic and political consequences of growing economic interdependence.  
• CA CO EX

**The Uruguay Round of multilateral trade negotiations : British Columbia consultations with the private sector**

Burlington and Associates Consulting Ltd. ; in conjunction with the Ministry of International Business and Immigration. Victoria : Burlington and Associates Consulting Ltd. ; Ministry of International Business and Immigration, 1988. 77 p. *Executive summary (7 p.) laid in.*  
MICROLOG 90-03072 2 fiche

The purpose of the consultation is to seek information to supplement the Ministry's internal analysis, and to establish a communication link with private sector groups. It includes a response from the private sector, goods sector issues; and service sector issues.  
BC CO PR

**The Use of a PDP-5 computer on Mossbauer experiments at Digital Equipment of Canada Limited, Carleton Place, Ontario**

by R.H. Goodman. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 36 p. : ill. Bibliogr. (Report ; MS 65-29)  
MICROLOG 90-04626 1 fiche

Description of a small general-purpose computer, the PDP-5, the input equipment, the program and the results.  
• CA CM NR PS SC

**Use of backfill in New Brunswick potash mines, phase II : final report**

Mraz Project Consultants Ltd. Sussex, N.B. : Denison-Potacan Potash Company, 1989. xxxiii, 393 p. : ill., maps. Bibliogr. *CANMET contract: 79228-01-SQ*  
MICROLOG 90-05653 5 fiche

The Denison-Potacan Potash Co. mine site is located southwest of Sussex, N.B. and was first identified in 1973. Phase I researched the behaviour and methods of placement of the tailings from the processing plant to provide support and stabilization to the mine workings, leading to improved resource recovery mining methods and an environmentally acceptable



means of disposal for the tailings. This Phase II report continues research in the same area, describing in situ and laboratory testing, parametric analysis of data on salt rocks, 2-dimensional material modelling and 3-dimensional numerical modelling, and presenting recommendations for further work.  
 • AP CA CM EV NR PS SC

**The Use of black poplar *Populus balsamefera* L. crowns for gold vegetation geochemical surveys in burned boreal forest : preliminary results**

by M.A.F. Fedikow and S. LeSavage.  
 Winnipeg : Manitoba Energy and Mines, Geological Services Branch, 1989. v, 41 p. : ill. Bibliogr. (Open file report ; OF89-1)  
 MICROLOG 90-00159 1 fiche

The crowns of 2-year-old black poplar trees, growing in a previously burned boreal forest near Bissett, were collected adjacent to a high-grade (229.4 g/tonne Au) quartz vein type gold occurrence and from an area with no known mineralization. Samples were analyzed by neutron activation for 35 elements in ashed plant material.  
 MS NR PR PS SC

**The Use of blood products where there is a personal concern as to their use**

British Columbia. Special Advisory Committee on Ethical Issues in Health Care. Victoria : The Advisory Committee, 1989. 3 p.  
 MICROLOG 90-01775 1 fiche

This document discusses approaches to the following situations where blood therapy is considered essential: the competent adult; the temporarily incompetent adult; the incompetent adult; the immature child; the mature child; and the pregnant woman.  
 BC HE PR

**The Use of consolidated fills for controlling violent pillar failure in Ontario mines**

Denison Mines Limited. Elliot Lake, Ont. : The Corporation, 1989. 246 p. : ill. Bibliogr. Photographs not filmed. CANMET contract: 69010-01-SQ.  
 MICROLOG 90-03378 3 fiche

Project involving the pouring of 109,000 tonnes of a 1:30 mix by weight of cement and classified mill tailings into a selected section of the 26 panel. In conjunction with the fill placement, the behaviour of pillars and hanging wall in the immediate area were monitored with rock mechanics instrumentation. The equipment included a 32 channel microseismic system with a close array of geophones dedicated to the test panel area, convergence meters installed for monitoring of hanging wall/footwall closure and instruments for monitoring relative magnitude and direction of ride action of hanging wall/footwall of the adjacent panels. Experimental high frequency-based microseismic equipment developed recently at Queen's University, Kingston, Ontario was tested to yield possible new information on pillar seismicity and pillar stress states. In-situ testing of the fill to determine fill stiffness was conducted at 2 sites. Numerical modelling using both elastic and non-linear type programs was carried out to simulate effects of fill on stresses and displacements in the pillars.  
 • CA CM NR ON PS SC

**The Use of cover crops for the maintenance of rights-of-way vegetation : a survey of the literature on succession, cover crops, competition and trees**

by D. Brown. Toronto : Ontario Hydro, Research Division, 1989. iv, 41 p. Bibliogr.

(Report ; no. 89-275-K)  
 MICROLOG 90-03530 1 fiche

In recent years, Ontario Hydro has attempted to integrate a biological control strategy within the rights-of-way maintenance program, utilizing properties inherent within the vegetation to slow down or stop the natural successional development towards a forest. This report presents the results of a literature study undertaken to determine the current state of knowledge on the use of cover crops for the control of tree establishment and growth.  
 EN EV ON PR SC

**Use of flumequine against furunculosis in salmonids therapeutic trials and practical perspectives**

by C. Michel...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1984. 11 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5115)  
 Originally published in French. ISSN 0704-3716  
 MICROLOG 90-00045 1 fiche

*Aeromonas salmonicida*-induced furunculosis is currently the primary cause of bacterial death in freshwater-reared salmonids, with oral treatment with antibiotics the only means of control. There is a fairly substantial failure rate due to drug resistance, therefore any new molecule which can be assimilated by ingestion and is effective would be welcome, providing it is not expensive. Flumequine is a quinolone compound synthesized by Riker Laboratories and widely used as an antibacterial agent in humans and various animal species. This paper reports on a series of therapeutic trials with rainbow and fario trout fingerlings in a laboratory setting using a relatively well standardized infection model developed by Michel in 1980.  
 • CA CF FI LS SC

**The Use of indicators to show the state and recent trends in sustainable development : a forestry pilot study**

by G. Sheehy. Ottawa : Canadian Wildlife Service, State of the Environment Reporting Branch, Strategies and Scientific Methods Division, 1989. i, 74 p. Bibliogr. (Technical report series ; no. 11)  
 MICROLOG 90-03119 2 fiche

Results of a forestry pilot study conducted to implement the concept of sustainable development indicators. The sustainable development indicators concept was investigated as part of Environment Canada's state of the environment (SOE) reporting program, established to provide information on the status and trends of environmental quality and natural resource use. The report describes the approach taken and provides definitions of the terms used; discusses trends in sustainability for forest harvesting and renewal, the efficiency of resource use, the environmental effects of forestry, and genetic conservation; and presents conclusions. Data covers the last 20 years.  
 • CA EV FO NR SC

**The Use of indicators to show the state and recent trends in sustainable development in Canada -- Draft**

by G. Sheehy. Ottawa : Canadian Wildlife Service, State of the Environment Reporting Branch, Strategies and Scientific Methods Division, 1989. i, 95 p. (Technical report series ; no. 10)  
 MICROLOG 90-03120 2 fiche

The federal State of the Environment (SOE) reporting program was established to provide information on the status and trends of environmental quality and natural resource use. A major objective of the program is to encourage sustainable use of natural resources.

This report presents a framework for measuring changes and trends in socio-economic activities as indicators of a move towards sustainable development. The study framework involved identifying basic requirements for economic development to be sustainable; listing the different activities which together comprise economic development in Canada; applying the standards developed to the activities to determine quantitative indicators of trends in sustainability of economic development; identifying data sources for applying the sustainability indicators; and describing a proposed reporting format through the use of an example from the forestry sector.  
 • CA EV NR SC

**The Use of morphological deformities in chironomid larvae for biological effects monitoring**

by W.F. Warwick. Saskatoon, Sask. : Inland Waters Directorate, National Hydrology Research Institute, 1990. xii, 34 p. : ill. Bibliogr. (NHRI paper ; no. 43) (Scientific series ; no. 173) French ed. (Utilisation des anomalies...) : 90-06303/1. ISBN 0-662-17659-6  
 MICROLOG 90-05572 1 fiche

Biological communities provide a direct means of observing the impact of contaminants because they are exposed to, and directly involved in, the transformations that contaminants undergo in freshwater ecosystems. The response of these communities provides a direct measure of the net toxic burden impacting an ecosystem. This paper reviews the role of chironomids (Diptera: Chironomidae) in aquatic communities and, in particular, the utility of morphological deformities in chironomid larvae for detecting and assessing the significance of contaminants in freshwater ecosystems.  
 CA EV LS SC

**The Use of native and agricultural plant species to re-vegetate northern mine tailings**

by T.C. Hutchinson and A.L. Kuja. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1988. vii, 50 p. Bibliogr. (Environmental studies ; no. 43) ISBN 0-662-16736-X  
 MICROLOG 90-04622 1 fiche

Five native plant species were selected from 2 harsh chemical environments (Smoking Hills, NWT and Sudbury, ON) which have acidic soils and heavy atmospheric pollution, as well as elevated soil metal levels. These plants were tested for their ability to survive and grow on 8 markedly different mine tailings from the Yukon, NWT and northern Ontario. From initial glasshouse trials on unamended tailings and on limed, fertilized tailings, sites were selected which represented a wide range of chemical and physical conditions. These were then used as field sites for trials of the native species, and for trials of 8 commercially used grasses and one legume. *Hordeum jubatum*, a vigorous weedy grass which colonizes disturbed areas in the sub-Arctic on neutral to alkaline soils and under drought conditions was included in the experiments and the tested tailings were chemically analysed. Droughts occurred in each year of the field trials, accentuated by the lack of soil organic matter and by the high sand content of the tailings. Amendments were made to the tailings by addition of lime to acidic ones to raise the pH, as well as additions of various combinations of peat and fertilizers. A sawdust mulch was used for half of the plots.  
 CA EV NO NR SC



### The Use of otolith sections for determining ages and back calculating lengths of walleyes *Stizostedion vitreum*

by C.M. Erickson. Winnipeg : Manitoba Natural Resources, Fisheries Branch, 1982. v, 31 ill. Bibliogr. (Manuscript report ; no. 82-9) MICROLOG 90-05590 1 fiche

Otolith sections were used to determine ages of walleyes collected from south Lake Winnipeg, Chitek Lake, Eardley Lake and Obukowin Lake in 1978, 1980 and 1981. To validate the presence of annuli on walleye otolith sections, ages determined from otolith sections were compared to corresponding ages derived from dorsal spine sections and scales, mean body lengths back calculated from 252 otolith sections were compared to mean observed lengths, and otolith sections from known age walleyes were aged.

FI MS PR SC

### The Use of recovered bituminous and concrete materials in granular and earth

by A.J. Hanks and E.R. Magni. Toronto : Ministry of Transportation, Engineering Materials Office, 1989. 87 p. : ill. Bibliogr. (Report ; MI-137) ISBN 0-7729-6297-9 MICROLOG 90-02524 2 fiche

Report on the use of recovered concrete and bituminous material as a substitute for unbound granular material in highway bases, sub-bases and shoulders. Recovered construction materials have been in use by various authorities in North America for many years, although in Ontario only certain municipalities have used them to any great extent. In keeping with the provincial government policy on sustainable development, the use of recovered materials is encouraged in highway contracts to reduce the use of virgin material and the accumulation of waste product, and use a product that is probably superior to standard granular materials. This report compiles and analyses experience to date and documents the results of laboratory testing undertaken on these materials. It also provides recommendations and special provisions covering the use of these materials in highway construction.

ON PR PS SC TR

### The Use of simple, inexpensive microbial water quality tests : results of a three-continent, eighty-country research project

editors. B.J. Dutka and A.H. El-Shaarawi. Ottawa : International Development Research Centre, 1990. 186 p. : ill. Bibliogr. (Manuscript report ; 247e) MICROLOG 90-03203 2 fiche (Available on fiche only)

Conventional bacteriological tests for assessing water quality are too expensive and impractical for routine use in the vast majority of developing countries. For the past 6 years, the International Development Research Centre has supported research in the development of simpler and cheaper tests that would permit the monitoring and classification of drinking water sources. Researchers in Brazil, Chile, Egypt, Malaysia, Morocco, Peru, Singapore and Thailand have examined a number of promising non-traditional microbiological tests and adapted them to their particular conditions and needs. Correlation/relationship studies between these simplified tests and the conventional tests such as total coliform, fecal coliform and *E. coli* were conducted. In September 1988, a global meeting marking the end of the initial laboratory research phase was held in Banff, Alberta. This document was prepared from the presentations and discussions of the meeting. It also includes a listing of previously published papers that originated from this

network of projects.  
CA EV EX SC

### Use of sparrows *Passer domesticus* in western equine encephalitis monitoring in Manitoba, 1983-86

by E. Kucera. Winnipeg : Manitoba Environment, Environmental Management Services, 1990. ii, 14 p. Bibliogr. (Terrestrial standards and studies report ; no. 90-1) MICROLOG 90-04945 1 fiche

Monitoring of the incidence of Western Equine Encephalitis (WEE) virus antibodies in wild birds in Manitoba began in 1983, during the province's most recent outbreak of the disease among humans. In the absence of local data from previous years, the program was set up to determine the prevalence of antibodies to WEE, to compare the results with available data from other areas, and to establish a baseline to which future data could be compared. In 1983, birds were sampled at 25 locations, near all communities that were designated at risk. In subsequent years the sampling was continued, with minor modifications, in those areas where birds with WEE antibodies were found in 1983. Blood samples were taken from all songbirds in the first year, but only house sparrows were sampled after 1983 because very few other birds were caught at the sampling sites. The evaluations involved only the sparrows. All blood samples were tested for the WEE antibodies using the hemagglutination inhibition method.

EV MS PR SC

### Use of teeth for age determination of seals and other mammals

by C. Lydersen and I. Gjertz. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1988. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5351) Originally published in Norwegian. ISSN 0704-3716 MICROLOG 90-01484 1 fiche

Rationale for the use of teeth in age determination of mammals, particularly seals, but generally for any mammal with annual rings in their dentin and cementum. Exact age determination is an important means of understanding growth rates, age at sexual maturity and life span. The paper describes tooth anatomy and physiology and methods of age determination.

• CA CF FI LS SC

### The Use of wing parts for monitoring environmental residues

by M.P. Wong, B.M. Braune and W.K. Marshall. Ottawa : Canadian Wildlife Service, Headquarters, 1989. vi, 173 p. Bibliogr. (Technical report series ; no. 63) ISSN 0831-6481 ISBN 0-662-16846-1 MICROLOG 90-02428 2 fiche

Review of the literature on the use of wing parts for surveying toxic chemical residues and evaluation of the possibility of using wing parts of harvested game birds submitted as part of an annual survey to monitor environmental residues. The studies used whole defeathered wings, wing muscles, wing bones and feathers as media for chemical analysis.

CA EV SC

### Used oil management in Canada : existing practices and alternatives

Monenco Consultants Limited. Downsview, Ont. : Canadian Council of Ministers of the Environment, 1989. xxii, 91 p. Bibliogr. (Report ; CCME-TS-WM-TRE007E) French ed. (Gestion des huiles...) : 90-00954/2. ISBN 0-662-17210-8 MICROLOG 90-00955 2 fiche

The used oil generated in Canada each year is the largest single source of liquid organic hazardous wastes in the country. This report covers handling and transport, reprocessing and re-refining, used oil end uses, and used oil disposal. It also presents a socio-economic analysis.

CA EV SC

### Useful pleasures : the shaping of leisure in Alberta, 1896-1945

by D.G. Wetherell and I. Kmet. Edmonton : Alberta Culture and Multiculturalism ; Regina : Canadian Plains Research Center, 1990. xxiv, 430 p. : ill. Bibliogr. ISBN 0-88977-058-1 MICROLOG 90-05880 5 fiche (Available on fiche only)

This study is a preliminary exploration of the institutional and structural components of leisure. The first part sets out some of the technological, social, and institutional components of leisure in Alberta history. They serve as an extended introduction to the chapters in part two, which follow a topical approach by examining specific leisure activities.

AL CU PR

### Usefulness of ethanol as a quality index of fish and fish products, I : the relationship between the sensory judgement of canned albacore and its ethanol content

by H. Iida, T. Tokunaga and K. Nakamura. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 10 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5215) Originally published in Japanese. ISSN 0704-3716 MICROLOG 90-02694 1 fiche

Quality evaluation of canned fisheries products for export is carried out mainly using sensory standards, according to export inspection standards. Since flavour is closely associated with freshness, flavour quality is regarded as very important. Skilled evaluators determine the flavour by holding a small amount of the sample in the mouth and by sniffing the same. As yet there has been no examination of the mode in which the volatile components contribute to the flavour determination. This paper reports on research conducted into the substances which are the basis of the sensory determination and analyzes the volatile components of cans of different quality.

• CA CF FI SC

### Usefulness of ethanol as a quality index of fish and fish products, II : changes of ethanol contents in raw fish during storage

by H. Iida...et al. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1986. 17 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5216) Originally published in Japanese. ISSN 0704-3716 MICROLOG 90-02693 1 fiche

When the freshness of fish and shellfish drops, ethanol is produced in the meat. Tests were performed to develop a simple method of evaluating the quality of the raw materials used for heat-sealed foodstuffs and the quality of the product, using ethanol as an index. Research in this report is mainly based on the changes in the volumes of ethanol during the storage of the fresh fish and on comparisons between the volumes of trimethylamine (TMA), total volume of bad odour (volatile components) and the pH.

• CA CF FI SC

### A User's guide for the prediction of post-mining groundwater chemistry from overburden characteristics

by M.R. Trudell and D.B. Cheel. Edmonton :



Alberta Land Conservation and Reclamation Council, Plains Coal Reclamation Research Program, 1989. xiii, 63 p. : ill. (Report ; RRTAC 89-7)  
MICROLOG 90-05217 1 fiche

This manual documents the procedure by which predictions of post-mining groundwater chemistry were made in an earlier report. In addition, the manual provides information on the procedure for predicting groundwater chemistry so that simulations can be carried out by others. A completely documented example of prediction, worked through in detail from leach-test extract to final predicted groundwater chemistry is also included. An appendix summarizes the geochemical model PHREEQE.  
AL PR SC

#### Using a blender to do quality checks of foaming agents

by E. Stechishen. Chalk River, Ont. : Forestry Canada, Petawawa National Forestry Institute, 1990. 3 p. : ill. (PNFI technical reports ; 3) French ed. (*Emploi d'un mélangeur...*) on the same fiche. ISSN 1180-2618 ISBN 0-662-17865-3  
MICROLOG 90-06803 1 fiche

A quick and easy way of determining whether a given batch of foam concentrate will perform according to established specifications is to generate some foam using a blender. This report identifies the effects of changing blender speed, blending time, volume of solution and mix ratio when using a 7-speed Osterizer blender with a 1.2 L container.  
• CA FO SC

#### Using a wheel tracking machine for evaluation of asphalt rutting

by R. Yacyshyn, K.K. Tam and D.F. Lynch. Toronto : Ministry of Transportation, Engineering Materials Office, 1990. iii, 59 p. : ill. Bibliogr. (Report ; EM-93) ISBN 0-7729-6651-6  
MICROLOG 90-04827 1 fiche

Study to determine the capability and sensitivity of the wheel tracking machine (WTM) to evaluate rutting of asphalt mixes in a laboratory. The study evaluates the effects of 3 possible tire styles for testing with the WTM and uses a footprinting technique to compare inflation pressure to calculated tire sample surface contact pressures. Procedures were developed to examine rutting at constant temperatures at simulated summer pavement conditions, as well as the rutting effect of traffic on compacted asphalt mixes during cooling immediately after construction. Suitable arrangements for heating, controlling and recording beam temperature for the constant temperature mode, and decreasing temperature mode procedures by measuring the beam matrix and surface temperatures were determined. The effects of using flexible vs. rigid base lifts underneath the surface lifts were also compared.  
ON PR PS SC TR

#### Using data loggers in the field

by D.L. Spittlehouse. S.I. : Forest Resource Development Agreement, 1989. vii, 49 p. Bibliogr. (FRDA report ; 086) Version 2. ISSN 0835-0752  
MICROLOG 90-02663 1 fiche

Guide for the use of electronic data loggers (particularly the Campbell Scientific Inc. CR21, CR10 and 21X) in an environmental monitoring program. The basic principles of data collection, the problems that can be encountered, and approaches to avoid these problems are presented. Coverage includes the installation, operation, and maintenance of data loggers; and the retrieval and determination of the accuracy of the data.  
BC EV FO PR SC

#### Utilisation communautaire des écoles : directive -- Rév.

Nouveau-Brunswick. Ministère de l'éducation. Fredericton : le Ministère, 1986. 12 p. Bilingue (*Community use of...*).  
MICROLOG 90-03780 1 fiche

Cette directive vise à dégager une orientation sur la promotion et l'usage communautaire des écoles lorsqu'elles ne servent pas à des activités scolaires.  
AP ED PR

#### Utilisation de consignateurs de données pour la surveillance environnementale en recherche forestière : vue d'ensemble et étude de cas

par D.G. Brand, M.D. Flannigan et P.S. Janas. Chalk River, Ont. : Service canadien des forêts, Institut forestier national de Petawawa, 1989. 28 p. : ill. Bibliogr. (Rapport d'information ; PI-X-81F) ISSN 0228-0736 ISBN 0-662-95371-1  
MICROLOG 90-00228 1 fiche

Il s'agit d'un guide d'initiation au processus de surveillance des conditions environnementales à l'aide de consignateurs de données automatiques qui s'adresse aux chercheurs forestiers. Le rapport aborde différents aspects du dispositif expérimental (quoi, où, comment et quand mesurer), du devis technique et de la gestion de programmes de recherche en surveillance environnementale. Il examine particulièrement les aspects biologiques d'un programme de surveillance environnementale, le matériel et les logiciels utilisés dans les consignateurs de données ainsi que les types de capteurs météorologiques couramment employés.  
• CA EV FO PS SC

#### Utilisation des anomalies morphologiques des larves de chironomides pour la surveillance des effets biologiques

par W.F. Warwick. Saskatoon, Sask. : Direction générale des eaux intérieures, Institut national de recherche en hydrologie, 1990. xii, 38 p. : ill. Bibliogr. (Rapport de l'INRH ; no 43) (Série scientifique ; étude no 173) L'éd. anglaise (*The Use of morphological...*) : 90-05572/1. ISBN 0-662-95960-4  
MICROLOG 90-06303 1 fiche

C'est par le biais des communautés biologiques que l'on peut observer directement les effets des contaminants car elles sont exposées aux transformations que subissent les substances dans les écosystèmes d'eau douce et y contribuent directement. Les réactions de ces communautés permettent de mesurer directement la charge de substances toxiques agissant un écosystème. L'objet de ce rapport est d'étudier le rôle des chironomides dans les communautés aquatiques et, plus particulièrement, d'examiner la possibilité d'avoir recours aux anomalies morphologiques des larves de ces insectes pour déceler la présence de matières contaminantes et évaluer l'importance de leurs incidences sur les écosystèmes d'eau douce.  
CA EV LS MS SC

#### L'Utilisation des résidus de halite dans les mines de potasse au Nouveau Brunswick : sommaire

préparé par Denison-Potash Company et Maurice B. Dusseault ; pour Mraz Project Consultants Ltd. Sussex, N.-B. : Denison-Potash Company, 1985. 32 p. : ill. CANMET contract: OSQ85-00208.  
MICROLOG 90-01336 1 fiche

Ce document présente un projet qui a pour but d'établir une source d'information pour utiliser les résidus d'halite dans les chambres

abandonnées à DPPC afin d'y extraire plus de minerais, pour éviter les problèmes environnementaux et assurer la sécurité lors des travaux souterrains.  
AP CA CM EV NR SC

#### L'Utilisation militaire de l'espace

Ottawa : Institut canadien pour la paix et la sécurité internationales, 1989. 2 p. Bibliogr. (Fiche d'information ; 11) L'éd. anglaise (*The Military use...*) sur la même fiche. ISBN 0-662-95715-6  
MICROLOG 90-01975 1 fiche

Pour effectuer leurs opérations, les armées, tout comme elles se servent de la terre, de la mer et des airs, utilisent aussi l'espace. L'utilisation de l'espace par les militaires se divise en deux grandes catégories: son utilisation pour des systèmes autres que des armes, et son utilisation directe à des fins d'armement. Cette fiche d'information donne des renseignements sur l'utilisation militaire de l'espace.  
• CA EX SC TE

#### The Utility of short-term tests for carcinogens : a technical review

by B.C.K. Choi. Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1983. 21 p. Bibliogr. ISBN 0-660-11556-5  
MICROLOG 90-02494 1 fiche

Review of various types of short-term tests currently used for detecting carcinogenic substances, classified into groups according to the type of change detected. This covers tests based on mutagenesis, chromosomal aberrations, sister-chromatid exchange, micronucleus formation, repair of damaged DNA, cell survival, malignant transformation, accelerated tumor formation, teratogenesis, cytological alterations, biological changes, and biochemical reactions. The validity of these tests and the origins of false-positive and false-negative results are also discussed.  
• CA HE LA SC

#### Utilization and market potential of poplar in Alberta

by W.J. Ondro. Edmonton : Government of Canada, Canadian Forestry Service, Northern Forestry Centre, 1989. viii, 64 p. : ill. Bibliogr. (Information report ; NOR-X-305) ISSN 0704-7673 ISBN 0-662-16777-5  
MICROLOG 90-01443 1 fiche

Assessment of the utilization and market potential of poplar in Alberta for 1987-88. Results of poplar inventory, present and potential utilization of poplar, and markets for various poplar wood products are discussed. Information on commercial forest industry producers is provided in directories.  
• AL CA FO SC

#### Utilization of Newfoundland aggregates to produce concrete for offshore structures

by Nolan, Davis & Associates, B.F. Davis ; in co-operation with Hibernia Materials Consultants. St. John's : Nolan, Davis & Associates, 1989. 79 p. : ill. CANMET contract: 69174-01-SQ  
MICROLOG 90-03379 1 fiche

The anticipated construction of offshore oil drilling platforms in the Hibernia Field led to interest in the potential for producing high strength concrete from materials available in Newfoundland. The test program was designed to provide basic trial mix data using local materials and aimed at both offshore questions and other high strength concrete considerations. The program consisted of initially identifying 3 aggregate sources with good potential for the production of high strength concrete, developing a specification for the aggregate and procuring and processing chosen aggregates to the specification. The processed aggregates were then used in the preparation of a series of 9



trial mixes which included cementitious materials and admixtures readily available in Newfoundland. The trial mixes were tested for durability, strength and other properties.  
● AP CA CM EN NR PS SC

#### Utilization of pipelineable coal-water for combustion

by H. Whaley, K.V. Thambimuthu and J.K. Wong. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1989. iii, 10 p. : ill. Bibliogr. (Report ; ERL 89-40(TR))  
MICROLOG 90-02976 1 fiche

There are a number of conflicting areas which preclude coal-liquid slurries from performing well as a transportation liquid and as a coal-water fuel. This report examines those coal properties which lead to good combustion performance as well as those which will give a good transportable slurry. It also indicates where those might be incompatible and where it may be possible to arrive at an optimum situation.  
● CA CM EN SC TR

#### Utilization of waste : experimental production of bricks from dicalcium silicate slag

by D.G. Feasby. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1975. v, 39 p. : ill. Bibliogr. (Report ; MSL 75-1(IR))  
MICROLOG 90-01331 1 fiche

A large proportion of solid metallurgical wastes is slags, which are usually solid solutions of various metallic silicates. A unique slag which currently is being discarded is the dicalcium silicate slag produced at the Haley Station, Ontario, magnesium plant by the vacuum reduction of calcined dolomite with ferrosilican at 1200C. About one million tons of this finely divided, powdery material have been produced. This report covers an investigation to develop a use for this waste product so that the company's revenue could be augmented and the viability of the magnesium production facility could be ensured.  
● CA CM NR ON PS SC

#### Vacant urban residential land survey : 1988 update

Ottawa-Carleton (Ont.). Planning Dept. Policy and Program Division. Ottawa : The Division, 1988. 128 p. : ill., maps. CSI 89171.004.  
MICROLOG 90-03363 3 fiche

Provides a comprehensive estimate of the supply of vacant residential land in the area; presents a picture of unit potential (by housing type) and development densities for these vacant lands; compares the supply to the demand of residential land based on past rates of consumption; and indicates if potential problems in the demand/supply relationship exist.  
MU ON PL

#### Vacuum weld tightness inspection method for the marine industry : final report

by Wartsila Marine Inc. ; in association with Gulf Canada Resources...et al. Vancouver, B.C. : The Corporation, 1989. 80 p. : ill. CANMET contract: 89185-01-SQ.  
MICROLOG 90-03970 1 fiche

Currently weld tightness inspection in the marine industry is carried out using air tests, hydrostatic tests and hose tests, all of which use pressure differentials across the weld, and all of which have serious shortcomings. This project developed a statutory acceptable weld tightness inspection method. While using differential pressure as in the usual 3 tests, the tank pressure is lowered locally in the vacuum chamber to achieve the same result.  
● CA CM PS SC TR

#### A Vacuum-spray technique for the atomization of liquid metals

by K.G. Davis, C.F. Dixon and J.G. Magny. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1977. i, 16 p. : ill. (Report ; MRP/PMRL 77-74(TR))  
MICROLOG 90-04675 1 fiche

A vacuum-spray atomization device for the production of metal powder with low gas content was built and tested using Wood's metal and low temperatures. A similar unit designed for use with higher melting point metals was made and cast iron was chosen as a prototype material for spraying. This report gives the results of both these tests.  
● CA CM NR PS SC

#### Validation analyses of the concrete integrated container

by H.P. Lee. Toronto : Ontario Hydro, Research Division, 1990. ii, 74 p. : ill. Bibliogr. (Report ; no. 89-298-K)  
MICROLOG 90-06107 1 fiche

Two finite element impact analyses to simulate 1/4 and 1/8 scale concrete integrated container model drop tests were performed to examine the accuracy of the analytical prediction through comparison against test results and to verify the suitability of using the hydrodynamic computer code DYNA3D to carry out analyses for the container. The engineering software package PATRAN was used to pre-process the 2 mathematical models and, after analyses, to post-process the resulting data including energy, contact force, stresses, strains and deformations. The impact response of the container is closely examined and compared with the experiments for acceleration and deformation.  
EN ON PR PS SC TR

#### The Validation and practical applications of a sub-surface mooring model

by J.M. Hamilton. Dartmouth, N.S. : Bedford Institute of Oceanography, 1989. iv, 43 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 119) ISSN 0711-6774  
MICROLOG 90-06591 1 fiche

Report on the validation of a computer model which predicts the equilibrium shape of sub-surface moorings. Using current meter data as input, model predictions are compared to time series of measured excursions for several different instrumented moorings. The utility of the validated model as an engineering tool for mooring development work is then demonstrated and other applications are discussed.  
● AP CA CF NR PS SC

#### Validité d'un centre d'évaluation pour identifier les futurs-es cadres au gouvernement du Québec

par G. Tourigny. Québec : Gouvernement du Québec, Office des ressources humaines, 1986. 15 p. Bibliogr. (Recherche) ISSN 0832-9664 ISBN 2-550-16690-6  
MICROLOG 90-01015 1 fiche

Le ministère de la Fonction publique du Québec a utilisé, de 1977 à 1984, la technologie du centre d'évaluation pour choisir les candidats-es à certains programmes de formation de la relève de gestion. Cette étude a été effectuée afin de vérifier, après sept ans de fonctionnement, la validité prédictive de ce centre d'évaluation, ainsi que son caractère non discriminatoire à l'endroit des femmes qui y ont été évaluées. Ce document se penche principalement sur cette question et en fournit les résultats.  
PA PR QU

#### The Validity of the use of the neutron reduction factor in assessing displacement damage to electronics in armoured vehicles

by T. Cousins and T.J. Jamieson. Ottawa : Defence Research Establishment Ottawa, 1990. ix, 28 p. : ill. Bibliogr. (Report ; no. 1032) MICROLOG 90-05919 1 fiche

To predict the degree of protection afforded to electronics by armoured vehicles exposed to neutron irradiation, the ratio of outside to inside tissue kermas has often been used as an approximation. This report examines the validity of this approximation by using the computer code VPF2 to generate neutron fields to be expected in a number of battlefield scenarios. The performance of 2 neutron dosimeters in these fields is also examined.  
CA EX PS SC TR

#### Valin Township

compiled by the staff of the Resident Geologist's Office, Sudbury. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. 14 p. : fold. maps. (Geological data inventory folio ; GDIF 491)  
MICROLOG 90-03053 1 fiche

Geological data inventory for Valin Township, including a list of sources, metals and minerals references, mineral occurrences by company, exploration by company, general information and references, and aerial photograph references.  
NR ON PR PS SC

#### Valorisation agricole des boues traitées à la chaux

par Urgel Delisle et associés ; pour le Bureau de coordination de la recherche et du développement et la Direction de l'assainissement agricole, Ministère de l'environnement. Québec : Ministère de l'environnement, Bureau de coordination de la recherche et du développement en environnement, 1989. v, 170 p. Bibliogr. ISBN 2-550-19890-5  
MICROLOG 90-01923 3 fiche

Ce document porte sur les objectifs d'un projet qui vise à vérifier si des boues non stabilisées peuvent être rendues aptes à la valorisation agricole par le chaulage, à vérifier la faisabilité de la technique, à acquérir des connaissances et des données préliminaires essentielles sur les qualités agronomiques, les caractéristiques physiques et chimiques, le comportement et l'utilisation du produit en vue de sa valorisation agricole ; à identifier les problèmes et solutions touchant la manipulation du produit (transport, entreposage, reprise, épandage), à étudier de façon préliminaire les conséquences économiques pour l'agriculture (sans soulever les coûts d'infrastructure à l'usine) et déterminer les techniques de chaulage et la dose la plus valable ; ceci afin d'orienter les futures étapes de développement.  
AG EV PR QU SC

#### Vancouver : an international centre for maritime commerce

prepared by Jonathan Seymour & Associates ; for the Maritime Sub-Committee of the Transportation Task Force, Asia Pacific Initiative. Vancouver, B.C. : The Sub-Committee, 1988. vii, 179 p. : ill. Bibliogr.  
MICROLOG 90-04417 2 fiche

This publication reviews recent developments in international shipping, including ship registration, second registers, open registers, and the differing approaches adopted by various countries towards the international shipping industry through taxation and other policies. It also establishes the features of the business environment which an aspiring centre needs to offer the international shipping industry. Finally,



it recommends action to address the shortfalls, to identify target groups, and to quantify the potential economic benefit which would likely accrue to Vancouver and British Columbia upon adoption of the recommendations.  
BC CO MU

**Vancouver : an international centre for maritime commerce : summary document**

Jonathan Seymour & Associates. Vancouver, B.C. : Asia Pacific Initiative Advisory Committee, Transportation Task Force, 1988. 26 p.  
MICROLOG 90-00033 1 fiche

This study defines the desirable attributes of a headquarters location for international shipping operations; assesses the position of Canada, and specifically, of Vancouver, with respect to those attributes; identifies the most likely candidates for relocation; recommends a strategic plan to attract those candidates; and projects the costs and potential benefits to the economy from implementing the strategic plan.  
CA CO EX MU

**Vancouver computerized scheduling/brokerage demonstration project : summary report**

prepared for the Transportation Development Centre and B.C. Transit ; by Tom Geehan. Ottawa : The Centre, 1989. 19 p.  
MICROLOG 90-04087 1 fiche

In March 1985, a jointly sponsored demonstration of computerized scheduling/brokerage systems was initiated to improve the quality and cost-effectiveness of transit services for disabled persons. Two microcomputer-based systems were demonstrated. One of the systems operated on a local area network and used low-cost graphical display technology to improve the scheduling/dispatching function in special services. The other system provided scheduling assistance through a tabular display of schedules and was a multi-user system. This report provides an overview of the project, focusing on the 2 microcomputer applications. The project approach and organization, applications setting, implementation procedures and impacts, results, and conclusions are described.  
BC CA MU PS SA SC TR

**Vancouver Harbour and Burrard Inlet benthic infaunal sampling program, October 1987**

by B.J. Burd and R.O. Brinkhurst. Sidney, B.C. : Dept. of Fisheries and Oceans, Institute of Ocean Sciences, 1990. vi, 49 p. : ill. Bibliogr. (Canadian technical report of hydrography and ocean sciences ; no. 122) ISSN 0711-6774  
MICROLOG 90-03934 1 fiche

Environment Canada is engaged in an overall assessment of the environmental status of Vancouver Harbour, to which the Institute of Ocean Sciences contributed a study of the macrobenthic infauna in October of 1987. Using cluster analyses in conjunction with recently developed statistical inferential techniques, the grouping of stations based on similarity was examined for the species abundance data, depth data, sediment composition data and for sediment chemistry data. Station clusters based on abundance data were examined for statistical significance, then compared with station groups based on the environmental data.  
● BC CA CF FI LS SC

**Vancouver heritage inventory, 1986**

Vancouver, B.C. : Vancouver Planning Dept., 1988. 37 p.  
MICROLOG 90-03306 1 fiche

This inventory is a listing of buildings, streetscapes, landscape resources (parks and landscapes, trees, monuments, public works) and archaeological sites which have architectural or historical heritage value.  
BC CU MU

**Vancouver International Airport Planning Group : report**

Asia Pacific Initiative Advisory Committee (Canada). Airport Planning Group. Vancouver, B.C. : The Group, 1987. 3 v. : ill., maps. Contents: Vol. 1 : Summary report -- vol. 2 : Report -- vol. 3 : Appendices.  
MICROLOG 90-04416 6 fiche

Identifies the operational and planning goals for Vancouver International Airport consistent with its position as a gateway between North America and the Asia-Pacific region, and as a vital component of the British Columbia economy. It also identifies the benefits and costs of pursuing these goals by instituting a new management structure at the airport, involving provincial, regional or local authorities. It recommends ownership and management structure options, and outlines the future actions required to implement the recommendations.  
BC PR TR

**Vancouver Island/Coast : an implementation strategy**

prepared by Roger Hart and Mark Lopianowski ; for the Minister of State for Vancouver Island/Coast, Responsible for Parks. Victoria : Technology and Innovation Task Force, 1989. xi, 25 p. ISBN 0-7726-1032-0  
MICROLOG 90-01269 1 fiche

The Task Force has identified the two broad goals of increasing the contribution to economic development made by technology-based companies throughout the region, and of ensuring that entrepreneurs are aware of, and have access to, new technologies, and government programs and agencies. The document provides an overview of some of the Task Force's current initiatives. It also presents proposals for the next phase of the implementation strategy.  
BC CO PR TE

**Vancouver oxidants study : control technology options and costs for volatile organic compound emissions from gasoline marketing**

prepared for Waste Management Branch, Ministry of Environment and Conservation and Protection, Environment Canada ; by B.H. Levelton & Associates Ltd. ; W.C. Edwards, N.P. Lee. Victoria : Ministry of Environment ; West Vancouver, B.C. : Environment Canada, 1989. xxix, 185 p. : ill. Bibliogr. ISBN 0-7726-1017-7  
MICROLOG 90-00023 3 fiche

A series of studies were recently completed on emissions of contaminants to the atmosphere in the Lower Mainland of British Columbia. As part of this program, a study was completed which prepared a computerized inventory of sources and emissions of volatile organic compounds (VOC) for the gasoline marketing network in the study area. This study was concerned with VOC emissions from gasoline marketing and included characterization of the aspects of each source having an impact on the effectiveness and cost of VOC emission control systems; identification and discussion of VOC emission control systems; development of capital and operating costs as well as cost effectiveness for total VOC removed for selected emission sources; and assessment of the impact of the implementation of possible control strategies on VOC emissions from the gasoline marketing network.  
BC EN EV PR SC

**Vancouver Plan Monitoring Program : information updates**

Vancouver, B.C. : Vancouver Planning Dept., 1990. 98 p. : ill., maps. CSI 89529.200.  
MICROLOG 90-05177 2 fiche

This document discusses the Vancouver Plan which recognizes that employment, housing, transportation, urban environment and population are the major issues in the Monitoring Program. Each of these are discussed at length, along with statistics, in this information update.  
BC MU PL ST

**Vancouver views study : implementation : reports to council**

Vancouver, B.C. : Vancouver Planning Dept., 1989. 46 p. : ill., maps.  
MICROLOG 90-03992 1 fiche

This consolidation of documents contains the following: minutes of Vancouver City Council meeting of December 12, 1989; Vancouver views study - summary report of October 27, 1989; Vancouver views study - full report of October 27, 1989; Vancouver views study report of December 6, 1989; and a letter to Vancouver City Council from the citizen's Representatives - Views Consultancy Steering Committee of December 11, 1989.  
BC BS MU PL

**Vancouver (B.C.). Planning Dept. : Annual review 1988-89**

Vancouver, B.C. : Vancouver Planning Dept., 1989. ii, 14 p. CSI 89529.001.  
MICROLOG 90-05127 1 fiche

This report summarizes planning achievements in 1988 and provides an overview of the 1989 work program, with possible shortfalls. A short description of the various divisions and services provided to the city is given, as well as a description of specific planning projects for 1988 and proposed projects for 1989.  
BC MU PL SC

**Vancouver (B.C.) : Financial statements and annual report 1989**

Vancouver, B.C. : The City, 1990. 106 p. : ill. CSI 89500.001.  
MICROLOG 90-06388 2 fiche

Financial statements are provided for the revenue fund, the capital fund, the sinking fund, and the property endowment fund. Statistics on gross debenture debt and non-audited detailed schedules are presented. Also contains statistics about the City, its services and its tax base.  
BC MU PA

**Variabilité spatiale et saisonnière de la qualité de l'eau du fleuve Saint-Laurent**

par L. Désilets et C. Langlois. Montréal : Environnement Canada, Centre Saint-Laurent, Direction des eaux intérieures, 1989. xvi, 112 p. : cartes géogr. Bibliogr.  
MICROLOG 90-06688 2 fiche

Le but de ce rapport est d'identifier des ensembles de paramètres et des zones homogènes de qualité de l'eau du fleuve Saint-Laurent et de décrire leur variabilité saisonnière. Les données de 77 stations échantillonnées à trois reprises durant l'année 1983-1984 ont été soumises à des analyses statistiques multivariées. La qualité des eaux de ces groupes, étant dominée par les caractéristiques physiques et la minéralisation, masque la contamination par des apports en nutriments et en métaux. Ce sont particulièrement ces deux catégories de paramètres qui font l'objet d'analyses de groupements afin de mettre en évidence les zones de contamination.  
EV PR QU SC



# **Variability of crop tree response to fertilization in unspaced Douglas-fir stands**

by R. Carter. S.I. : Forest Resource Development Agreement, 1989. i, 18 p. Bibliogr. (FRDA report ; 085) ISSN 0835-0752 ISBN 0-662-17125-X MICROLOG 90-04434 1 fiche

This study examines volume growth response on a crop tree basis but not in relation to different compartments of the stand stratified by height or diameter or on an areal basis. The effects of mortality are not considered. The study identified the magnitude and variability of crop tree response to fertilization with 225 kg/ha of nitrogen as urea in unspaced stands of immature coastal Douglas-fir. The study identified crop tree response to operational fertilization after a minimum of 8 post-treatment growing seasons.  
• BC CA FO PR SC

# **Variations in meristic and morphometric characters among populations of herring *Clupea pallasii* in the far eastern waters**

by Y. Kahno. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 16 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5474) Originally published in Japanese. ISSN 0704-3716 MICROLOG 90-00592 1 fiche

Investigation of the morphological variations in the 10 herring populations in far eastern waters through examination of 5 meristic and 5 morphometric characters on body length, using statistical analysis.  
• CA CF FI LS SC

# **Varietal description of Andro oilseed flax**

Edmonton : Alberta Agriculture, 1990. 4 p. (Agri-fax) MICROLOG 90-05952 1 fiche

Description of Andro oilseed flax, including varietal characteristics and performance. Details are given as to varietal performance, yield, days to maturity, height, 1000 seed weight, oil content, iodine number, protein content, and yield by province in Western Canada.  
AG AL PR SC

# **Varietal description of Tetracan Russian wild-rye**

Edmonton : Alberta Agriculture, 1990. 1 p. (Agri-fax) MICROLOG 90-05953 1 fiche

Description of variety characteristics and performance of Tetracan Russian wild-rye.  
AG AL PR SC

# **Varietal description of Vanguard spring canola**

Edmonton : Alberta Agriculture, 1990. 3 p. (Agri-fax) MICROLOG 90-05953 1 fiche

Description of varieties of Vanguard spring canola, including varietal characteristics and performance. Details are given for Ontario, Eastern and Western cooperative spring trials by variety, including yield, days to maturity, lodging, plant height, 1000 seed weight, percentage green seed, percentage erucic acid, amount of glucosinolates, and percentage oil and protein.  
AG AL PR SC

# **Vascular aquatic weeds of the Rideau Canal, southeastern Ontario**

by K.W. Spicer and P.M. Catling. Ottawa : Agriculture Canada, Research Branch, 1990. 50 p. : ill. Bibliogr. (Technical bulletin ; 1990-3E) French ed. (Les Plantes aquatiques...) : 90-05439/1. ISBN 0-662-17594-8 MICROLOG 90-05440 1 fiche

Basic information, such as a prioritized listing of the species contributing to weed problems in different areas, is relevant to successful control procedures and important to understanding of the biology of the species concerned. This study documents the composition of vascular aquatic vegetation at several localities in the Rideau Canal system in southeastern Ontario. These localities were identified by Parks Canada as areas where aquatic vegetation controls are necessary.  
• AG CA ON SC

# **The Vascular plants of British Columbia, part 2 : dicotyledons (diapensiaceae through portulacaceae)**

edited by George W. Douglas, Gerald B. Straley and Del Mejdinger. Victoria : Ministry of Forests, 1990. vii, 158 p. Bibliogr. (Special report series ; no. 2) ISSN 0843-6452 ISBN 1-7718-8759-0 MICROLOG 90-06999 2 fiche

This manual describes all of the flowering plants and vascular cryptogams, both native and naturalized, occurring within the borders of B.C. Keys are included for all genera, species, subspecies and varieties. Species not represented by a herbarium collection are placed in an excluded list. Species are also excluded which are known from only a few collections taken more than 40 years ago.  
BC LS PR SC

# **Vegetable crops estimated production costs : Ontario, 1989**

by D. Hope...et al. Toronto : Ministry of Agriculture and Food, Economics and Policy Coordination Branch, 1989. v, 59 p. Bibliogr. (Economics information report ; no. 89-06) CSI 55101.008. ISSN 0708-482X MICROLOG 90-03894 1 fiche

Estimated production costs of vegetable production, based on the ACRES program. Input information was obtained from previous studies, surveys of the farm supply trade, technical input/output coefficients, and the consensus of producers, researchers, extension and agribusiness personnel. For each crop cost estimate, data was organized into variable and fixed costs and totalled to arrive at the cost of production both on a per acre and per hectare basis. Cash costs of production are also determined which include total variable costs, interest on the debt portion of investment in tractors and machines, and other overhead costs. The report includes details on the method of analysis. Vegetables are divided into the categories of those for fresh market and those for processing. Summary data are given for previous 5 years also.  
AG ON PR SC ST

# **Vegetation classification and LANDSAT-based analysis of peatlands in the Haileybury Clay Plain, Ontario**

by R.S.W. Bobbette and J.K. Jeglum. Sault Ste. Marie, Ont. : Canadian Forestry Service, Great Lakes Forestry Centre, 1990. 21 p. Bibliogr. (Information report ; O-X-407) ISSN 0832-7122 ISBN 0-662-17050-4 MICROLOG 90-04473 1 fiche

In Ontario there is currently much interest in wetlands and peatlands by numerous interest and user groups. The availability of LANDSAT imagery and access to image-analysis systems has stimulated research into the possibility of using these tools for wetland survey, inventory and mapping. This report describes a project undertaken in the summer of 1983 to examine the potential for classifying and mapping peatland vegetation and to compare conventional ground-truthing and air-photo analysis techniques with supervised LANDSAT classification. The study area is a block of 9 townships, centered

on Harley Township, north of New Liskeard, Ontario. Field data were gathered and samples were taken of vegetation cover and species composition, which were then described in terms of 2 tree strata, 3 scrub strata and herb, bryophyte and lichen strata. Additional descriptions and measurements were collected, including peat depth, depth to groundwater, pH of the groundwater, and peat pH for peat samples collected from 0-20 cm and 20-40 cm.  
• CA EV LS ON SC

# **Vegetation establishment during 5 years following wildfire in northern British Columbia and southern Yukon Territory**

by E.T. Oswald and B.N. Brown. Victoria : Forestry Canada, Pacific and Yukon Region, Pacific Forestry Centre, 1990. vi, 46 p. : ill. Bibliogr. (Information report ; BC-X-320) ISSN 0830-0453 ISBN 0-662-17648-0 MICROLOG 90-05788 1 fiche

A study on revegetation following wildfires was conducted on 4 fires near the Yukon Territory-B.C. border (60N.Lat.). One wildfire occurred at Aishihik junction off the Alaska Highway in south-central Yukon in 1980, and 3 fires occurred near Watson Lake, Yukon Territory in 1982 - one in Yukon and 2 in B.C. This report covers the first 5 years of vegetation succession on 47 plots established in the areas burnt by these 4 fires. The report monitored and describes the forest vegetation development and succession on different sites, compared the seral stages among the site types, and developed prediction models for vegetation succession following wildfire.  
• BC CA FO NO SC

# **Vegetation management activities of Forestry Canada : a compendium of summaries, 1988-89**

Ottawa : Forestry Canada, Vegetation Management Working Group, 1989. 59 p. French ed. (Activités de gestion des végétaux...) : 90-02520/1. MICROLOG 90-02526 1 fiche

Summaries of projects undertaken by the vegetation management working group of Forestry Canada, established in 1987 to promote sound methods of forest vegetation management in Canada by defining vegetation management concerns on a regional basis and describing those with a national scope; developing guidelines and solutions to forest vegetation management problems; and developing and maintaining a working report with scientists in vegetation management-related research.  
CA EV FO SC

# **Vegetation management, an integrated approach : proceedings of the fourth annual Vegetation Management Workshop**

compiled by Evelyn Hamilton. S.I. : Forest Resource Development Agreement, 1990. viii, 127 p. : ill. Bibliogr. (FRDA report ; 109) This is a joint publication of Forestry Canada, and the British Columbia Ministry of Forests. CSI 37107.003. ISSN 0835-0752 ISBN 0-7726-1086-X MICROLOG 90-05841 2 fiche

Proceedings of the workshop, which focused on long-term management issues and vegetation management in salal ecosystems. A number of poster presentations are also reported, divided into competition and vegetation dynamics, vegetation control and seedling response, microclimate considerations, floodplain management, and natural regeneration. Papers on various computer tools, including information systems, models, bibliographies, and data directories are given. Reports on the discussion groups on general issues and alluvial coastal issues are also included.  
• BC CA FO SC



**Vegetation resources of Vancouver Island**

by A.P. Harcombe and E.T. Oswald. Victoria : Ministry of Environment, 1990. 2 v. : ill., maps. Bibliogr. (MOE technical report ; 27) Contents: Vol. 1 : Forest zonation — vol. 2 : Vegetation types. ISSN 0840-9730 ISBN 0-7718-8912-7  
MICROLOG 90-06715 3 fiche

This report is part of the vegetation survey of Vancouver Island which provides basic information about the classification, distribution, and ecology of the vegetation and its related properties. Fieldwork for the survey was carried out from 1973-75. The report is contained in 3 volumes, of which this volume 1 describes the regional vegetation, within the biophysical forest zonation classification. Two forest regions, 4 forest sections, 11 forest zones, and 10 forest subzones, including both the environmental and ecological characteristics and major successional sequences found within each forest subzone are described.  
BC LS NR PR SC

**Vegetation response to slashburning : a 3 year progress report**

by L.D. Peterson. Victoria : Ministry of Environment and Parks, Wildlife Branch ; Ministry of Forests, 1989. vi, 38 p. : ill. Bibliogr. (Wildlife bulletin ; no. B-62) ISSN 0829-9560  
MICROLOG 90-00036 1 fiche

Initial findings on the response of vegetation to different intensities of slashburning on fire-sensitive sites. The study sites were 3-year-old clearcuts at mid-elevation on Vancouver Island. Two fire intensities plus an unburned comparison were replicated in a balanced, incomplete block design. Ocular estimates of percent cover of all ground forage were conducted prior to treatment and 1-2 years after burning.  
AG BC EV PR SC

**Vehicle coastdown resistance analysis under windy and grade-variable conditions**

by B.A.P. Remenda, A.E. Krause and P.B. Hertz. Ottawa : Transport Canada, 1989. 11 p. : ill. Bibliogr.  
MICROLOG 90-04788 1 fiche

Development of a testing and analysis method for the evaluation of the aerodynamic and rolling resistance coefficients of a vehicle, under windy weather conditions and on a road with some variation in grade. Over 100 coastdown runs were collected and analyzed, and the aerodynamic and rolling resistance functions were calculated in conditions from 0 to over 30 degrees yaw. In addition, the effects of vehicle centripetal force due to road curvature in the vertical plane, lift force, velocity dependencies of rolling circumference and rolling resistance are discussed. The data analysis method developed uses a computer-based simulation/optimization technique which is described.  
CA PS SC TR

**Vehicle crew scheduling to complete specific task and bulk-tasks at depots**

by J.A. Ferland and S. Taillefer. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 24 p. Bibliogr. (Publication ; no. 647) (Publication ; no. 681) MICROLOG 90-01411 1 fiche

This paper considers a vehicle crew scheduling problem in which there are several depots with each operator based at one of the depots. The workday of each operator is specified for specific tasks and a share of the bulk-task of the depot. The model is formulated as a set-covering problem with additional constraints. Numerical results are reported for problems in

the context of postal vehicle crew scheduling.  
PR QU SC TR

**The Vehicle routing problem with stochastic travel times**

by G. Laporte, F. Louveaux and H. Mercure. Montreal : Université de Montréal, Centre de recherche sur les transports, 1989. 20 p. Bibliogr. (Publication ; no. 659) MICROLOG 90-01615 1 fiche

Consideration of vehicle routing problems with stochastic service and travel times, in which vehicles incur a penalty proportional to the duration of their route in excess of a present constant. The paper describes a chance constrained, a 2-index recourse, and a 3-index recourse mathematical programming model and shows how a particular class of stochastic vehicle routing problems reduce to the deterministic case. A general branch-and-bound algorithm for the 3 models is described.  
PR PS QU SC TR

**Vehicle routing with split deliveries**

by M. Dror, G. Laporte and P. Trudeau. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 20 p. : ill. Bibliogr. (Publication ; no. 684) MICROLOG 90-04327 1 fiche

Paper considering a relaxation of the classical vehicle routing problem (VRP), in which split deliveries are allowed. It is first formulated as an integer linear program. Several new classes of valid constraints are derived, and a hierarchy between these is established. A constraint relaxation branch and bound for the problem is then described.  
PR PS QU SC TR

**Vehicle routing with uncertain demands stochastic programming and its corresponding TSP solution**

by M. Dror. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 17 p. (Publication ; no. 682) MICROLOG 90-02985 1 fiche

Paper addressing the issue of different mathematical models for the stochastic vehicle routing problem (SVRP). A multistage stochastic model is presented for the SVRP and it is proven that this model has an interesting minimal graph representation in which a SVRP solution corresponds to a Hamiltonian cycle. A Markov decision model is also presented for the problem, concluding with a discussion of solution prospects and directions.  
PR PS QU SC TR

**La Ventilation industrielle : guide de base**

par P. Sampara. Hamilton, Ont. : Centre canadien d'hygiène et de sécurité au travail, 1988. ii, 23 p. : ill. Bibliogr. ISBN 0-660-92413-7  
MICROLOG 90-05755 1 fiche

La ventilation est la plus importante façon de réduire l'exposition aux polluants qui se trouvent dans l'air en milieu de travail. Plusieurs règlements visant l'hygiène et la sécurité au travail exigent ou recommandent la ventilation. Cet ouvrage a pour but de fournir des renseignements pratiques pour quiconque désire connaître les principes de base de la ventilation industrielle, apprendre à contrôler l'efficacité de cette mesure et savoir où s'adresser pour obtenir de l'aide au besoin.  
● CA HE LA

**Vérification linguistique horizontale : langue de travail dans l'administration fédérale au Nouveau-Brunswick**

Ottawa : Bureau du Commissaire aux langues officielles, 1989. 14, 13 p. Bilingue (Horizontal language...). MICROLOG 90-06433 1 fiche

Le but de cette étude est d'évaluer dans quelle mesure les employés du gouvernement fédéral peuvent exercer leurs droits linguistiques en matière de langue de travail et d'identifier les facteurs susceptibles d'influer sur les choix de fonctionnaires d'utiliser une langue ou l'autre dans leur milieu de travail. Il se penche surtout sur les points suivants: l'appartenance à un groupe linguistique; le milieu de travail linguistique; les compétences linguistiques; le rôle pivot des superviseurs; et, les obstacles et solutions.  
AP CA PA

**Verification research : Canada's verification research program**

Ottawa : External Affairs Canada, 1990. 48 p. : ill. (Verification brochure ; no. 3) French ed. (Recherche sur la vérification...) on the same fiche. ISSN 0830-923X ISBN 0-662-15552-1  
MICROLOG 90-04763 2 fiche

Brochure outlining briefly the history of the verification research program, its objectives and mandate, and some of its research activities. Projects and activities conducted involve chemical weapons, seismic verification of a nuclear test ban, outer space, conventional weapons, and generic verification research.  
CA EX

**Vermiculite in the Stanleyville area, Lanark County, Eastern Ontario**

by A. MacKinnon, P.W. Kingston and J.S. Springer. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, 1989. xix, 87 p. : ill., fold. maps. (Ontario Geological Survey open file report ; 5711) MICROLOG 90-00866 2 fiche

The eastern Ontario hydrobiotite/vermiculite occurrences, although extensively tested in the 1960s as aggregate for gypsum plaster, remain largely undeveloped. Since good domestic market opportunities now exist, this project was initiated to investigate the occurrences in the Stanleyville-Pike Lake area near Perth, Ontario. This involved geologic mapping of the area and known vermiculite occurrences, and separation and beneficiation tests on several prospects. In addition, the report provides a brief discussion of world resources, the U.S. and Canadian vermiculite industries, and developments in processing and product application.  
NR ON PR PS SC

**Vers l'an 2000 : consultations externes : sommaire**

Toronto : Ministère de l'agriculture et de l'alimentation, 1990. 25, 24 p. Bilingue (Toward 2000 : external...). ISBN 0-7729-6531-5  
MICROLOG 90-05759 1 fiche

Le rapport résume des entretiens qui se sont déroulés dans toute la province. Des groupes de discussion ont exprimé des idées et des préoccupations et ce rapport donne une idée de la diversité des opinions de leurs membres. Il s'agit d'un sommaire exposant ces idées et ces préoccupations exprimées par les clients du Ministère et portant principalement sur: l'environnement; le commerce; le bien-être des animaux; la politique, les programmes et les orientations étatiques; l'utilisation et la conservation des terres/le droit de les cultiver; les finances/le revenu des agriculteurs; et, l'innocuité/la qualité des aliments.  
AG ON PR SC

**Vers l'an 2000 : orientations et implications : un document de travail**

Toronto : Ministère de l'agriculture et de l'alimentation, 1989. 28, 27 p. : ill. Bilingue (Toward 2000 : trends...). CSI 55101.204. ISBN 0-7729-6187-5  
MICROLOG 90-03873 1 fiche



Ce document identifie six points importants: l'évolution des caractéristiques de l'industrie agro-alimentaire, le commerce, les préoccupations des consommateurs, l'environnement, l'éducation et les perspectives financières. Chaque section reflète les tendances actuelles et les répercussions possibles des questions spécifiques identifiées et préparées par le personnel du ministère.  
AG ON PR SC ST

### Vers l'an 2000 : pour un meilleur système sportif canadien

Canada. Groupe de travail sur la politique nationale du sport. Ottawa : Condition physique et sport amateur, 1988. 78 p. : ill. L'éd. anglaise (*Toward 2000 : building...*) : 90-00875/1. ISBN 0-662-95103-4  
MICROLOG 90-00874 1 fiche

Ce rapport donne les résultats attendus du Groupe de travail en ce qui a trait aux sports au Canada. On y donne les objectifs nationaux pour le sport et les mesures recommandées; les mesures les plus importantes pour la période de 1988 à 1992; les mesures importantes recommandées pour la période de 1988 à 1992; la structure financière du sport, les modifications proposées à la Loi sur la santé et le sport amateur; le système de reconnaissance des sports; et les définitions du système sportif.  
CA CU

### Vers l'égalité : plan d'action en matière de condition féminine

Québec : Gouvernement du Québec, Ministère du conseil exécutif, Secrétariat à la condition féminine, 1989. 79 p.  
MICROLOG 90-02987 1 fiche

Ce document trace le bilan de l'année 1988-89 en ce qui a trait au Plan d'action en matière de condition féminine. On y présente également les activités de l'année dans les domaines suivants: les groupes de femmes; l'égalité des conjoints; l'égalité en éducation; l'égalité dans le travail et la sécurité du revenu; les services adaptés à la réalité féminine; la santé; la violence; la promotion de la réalité féminine; l'États-employeur; et, le Conseil du statut de la femme.  
JU PR QU SA

### Vers l'entente francophone

par A. Maugey. Montréal : Gouvernement du Québec, Office de la langue française, 1989. 248 p. Bibliogr. ISBN 2-550-19923-5  
MICROLOG 90-02529 3 fiche

Ce document permet de comprendre l'évolution de l'idée même de francophonie depuis une simple définition, suivie de bien d'autres, et aboutissant aux Sommets qui ont nettement révélé l'attachement des francophones de tous les pays à leur langue et à son génie, et leur désir d'agir afin d'en arriver à une entente entre eux ainsi qu'à une mise en commun de toutes leurs ressources linguistiques.  
CU PR QU SA

### Vers notre avenir à tous : un rapport sur le développement durable et ses conséquences pour le Canada

par M. Keating. Ottawa : Environnement Canada, 1989. iii, 52 p. : ill. Bibliogr. L'éd. anglaise (*Toward a common future...*) : 90-02368/1. ISBN 0-662-95595-1  
MICROLOG 90-02367 1 fiche

Ce document résume les questions soulevées dans le cadre du débat public sur l'avenir de l'environnement. La première section porte sur certains des grands problèmes auxquels nous faisons face. La deuxième décrit quelques-uns des changements à opérer pour amorcer le développement durable.  
• CA EV SC

### Vers un développement harmonieux du hockey au Québec : rapport thérien

Québec : Groupe de travail sur le hockey mineur au Québec, 1989. 131 p. : ill. Bibliogr. MICROLOG 90-01794 2 fiche

Le rapport final du Groupe de travail sur le hockey mineur au Québec se divise en quatre parties. La première partie expose la problématique du hockey avec chacune des composantes de ce sport tel que pratiqué au Québec. Un énoncé d'orientation et un modèle de développement du hockey québécois constituent la deuxième partie du rapport. La troisième partie contient les recommandations du groupe de travail fondées sur des objectifs précis afin de favoriser un développement du hockey au Québec. Reconnaisant la nécessité que soient réalisées les recommandations, les membres du groupe de travail suggèrent, dans la dernière partie, des moyens pour réaliser les recommandations.  
CU PR QU

### Vers une réforme : la détermination de la peine

Ottawa : Ministère de la justice, 1990. 71, 68 p. Bilingue (*Directions for reform : sentencing...*). ISBN 0-662-57573-3  
MICROLOG 90-07151 2 fiche

Il devient de plus en plus complexe de déterminer la peine applicable à un criminel qui a reconnu sa culpabilité ou qui a été reconnu coupable d'un acte criminel ou d'une infraction. La gestion des personnes condamnées est également loin d'être facile, de la peine infligée soit purgée sous forme de travaux communautaires ou derrière les barreaux d'un établissement carcéral. Ce document expose la situation actuelle dans ses grandes lignes, passe en revue certaines préoccupations et quelques-uns des problèmes identifiés et expose les idées du gouvernement fédéral au sujet de cette question très complexe. Il présente les solutions possibles à certains problèmes et énonce des propositions à partir desquelles des modifications à la loi pourraient être proposées.  
CA JU

### Vers une réforme : les affaires correctionnelles et la mise en liberté sous condition

Ottawa : Solliciteur général Canada, 1990. 79, 74 p. Bilingue (*Directions for reform : corrections...*). ISBN 0-662-57575-X  
MICROLOG 90-07153 2 fiche

Dans le document proposant un cadre pour la réforme du droit pénal, on énonçait un certain nombre d'objectifs qui portaient aussi bien sur la détermination de la peine que sur l'administration des peines et sur la mise en liberté sous condition. Ce document donne suite à ces objectifs, en proposant un certain nombre de changements aux politiques et aux textes législatifs régissant les opérations correctionnelles et le régime de mise en liberté sous condition. Il se penche principalement sur: les réformes visant à clarifier l'objet et les principes; la réforme de l'admissibilité à la mise en liberté sous condition; les réformes visant à accroître la transparence, le respect de l'obligation de rendre compte et le professionnalisme; la réforme des services correctionnels; et, l'amélioration des programmes correctionnels en vue de favoriser la réadaptation et la réinsertion sociale.  
CA JU

### Vers une réforme : un cadre pour la détermination de la peine, les affaires correctionnelles et la mise en liberté sous condition

Ottawa : Solliciteur général Canada, 1990. vii, 34, vii, 32 p. Bibliogr. Bilingue (*Directions for reform : a framework...*). ISBN

0-662-57574-1  
MICROLOG 90-07152 1 fiche

Consentis du fait que le droit pénal devait refléter l'évolution et les préoccupations de notre société, le gouvernement fédéral et les provinces ont convenu à l'unanimité en 1979 d'en effectuer une réforme exhaustive. Ce document présente une trousse de consultation qui comprend deux autres publications - Vers une réforme: la détermination de la peine, et Vers une réforme: les affaires correctionnelles et la détermination de la peine, est une étape majeure de cet important processus. Il permet d'identifier les faiblesses du système et propose des solutions à la mesure des valeurs actuelles de la société canadienne, soit des valeurs de transparence, d'équité et d'obligation de rendre compte. Enfin, il fournit les plans qui serviront à ériger un système capable répondre aux questions ci-haut mentionnées.  
CA JU

### The Vertebrates of British Columbia : scientific and English names

edited by Robert A. Cannings and Andrew P. Harcombe ; authors Alex E. Peden...et al. Victoria : Ministry of Tourism, Recreation and Culture, Royal British Columbia Museum ; Ministry of Environment, Wildlife Branch, 1990. 110 p. Bibliogr. (Heritage record ; no. 20) (Wildlife report ; R-24) ISSN 0701-9556 ISBN 0-7718-8907-0  
MICROLOG 90-04421 2 fiche

This publication includes the names of all vertebrate species known to occur, or to have occurred, in the province of B.C. and the adjacent Pacific Ocean to the 200 mile limit during historical times. No distinction is made between resident and migratory species or between those that occur regularly, casually or accidentally. Species introduced by man are indicated; this includes species introduced directly into B.C. and those that entered the province from introductions elsewhere in North America. Names for selected domestic species are listed separately. The scientific and the English names are given for taxa (class, order, family and species). English (common) names are provided for each species. For each species the scientific species name and its author are given. Lists are divided into marine fishes, freshwater fishes, amphibians, reptiles, birds and mammals. Indices are given for English names, scientific names and species codes.  
BC LS PR SC

### The Vertical distribution of mysids in the Baltic Sea

by N.A. Khaldinova, L.G. Nazvich and M.V. Rein. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1987. 18 p. : ill. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5315) Originally published in Russian, by the State Scientific and Technical Publishing House of the Food Industry at Moscow, U.S.S.R. ISSN 0704-3716  
MICROLOG 90-02082 1 fiche

Young and medium-aged fish of the Baltic cod feed mainly on nektonic animals such as sea cockroaches and mysids. Observations on the vertical distribution of mysids in the Baltic Sea and the Gulf of Riga were carried out from 1953-55 in parallel with a study of the feeding and distribution of the cod. This paper reports on the distribution and characteristics of mysids.  
• CA CF FI SC

### The Vertical distribution of zooplankton and ichthyoplankton on the Nova Scotia shelf during September 1985

by M.K. Lewis and D.D. Sameoto. Dartmouth, N.S. : Bedford Institute of Oceanography, 1990. iv, 149 p. : ill. Bibliogr. (Canadian



data report of fisheries and aquatic sciences ; no. 803) ISSN 0706-6465 MICROLOG 90-06633 2 fiche

This report presents data collected during the cruise of CSS DAWSON on the Nova Scotia shelf from September 16-30, 1985. The data was collected to determine the vertical distribution of zooplankton species in the basins of the Scotian shelf using the BIONESS, to provide data on the major source of zooplankton on the shelf, with emphasis on *Calanus finmarchicus*, and to use the optical zooplankton counter mounted on the BIONESS and compare its data with the biological samples.

• AP CA CF FI LS SC

### The Vertical solitude : managing in the public sector

by D. Zussman and J. Jabes. Halifax : Institute for Research on Public Policy, 1989. xx, 220 p. Bibliogr. ISBN 0-88645-094-2 MICROLOG 90-02530 3 fiche

Examines the challenges which managers face in the public sector and seeks a better understanding of their work environment. Its theme is found in the results obtained in a survey undertaken in 1986 with public and private sector managers. The findings from this survey are developed to explain individual differences, leadership practices, the working environment, organizational culture, and rewards, with an emphasis on the public sector management environment itself.

• CA PA

### VIA Rail Canada : Annual report 1989

Ottawa : The Company, 1990. 30, 30 p. : ill. Bilingual. CSI 22392.001. MICROLOG 90-04909 1 fiche

This annual report covers the activities which prepared the corporation for the decade of the 90s. The report covers the performance in 1989 in riders, passenger revenues, expenses, downsizing the workforce, and management improvements. The new national network, which went into operation on January 15, 1990, is described by district (eastern, corridor, western). Measures taken in pricing, sales, and marketing are given, as well as improvements in the product. Financial statements are included.

CA SC TR

### VIA Rail Canada : Rapport annuel 1989

Ottawa : la Société, 1990. 30, 30 p. : ill. Bilingual. CSI 22392.001. MICROLOG 90-04909 1 fiche

Ce rapport dépeint le nouveau visage de VIA Rail dont le but est de se préparer à la décennie qui s'amorce, comme en témoignent les diverses mesures prises. Il donne des renseignements sur : la transition de VIA Rail face au défi des années 1990; le rapport du vérificateur; et l'annuaire de la Société. Y sont également inclus les états financiers et les notes s'y rapportant.

CA SC TR

### Victims Assistance Committee (Man.) : Annual report 1988-89

Winnipeg : The Committee, 1989. 14 p. CSI 41122.003. MICROLOG 90-01287 1 fiche

This annual report lists the members of the Committee, and the dates when meetings were held. It also identifies the objectives of the subcommittees, and includes financial highlights.

JU MS PR

### The Victoria community police stations : an exercise in innovation

by C.R. Walker and S.G. Walker. Ottawa : Canadian Police College, 1989. iv, 82 p.

Bibliogr. French ed. (Les Postes de police...) : 90-00219/2. ISBN 0-662-95316-9 MICROLOG 90-01229 1 fiche

This paper describes the process utilized by the Victoria Police Department to establish their 'mini-station' approach to community policing. It isolates those factors, internal and external, that precipitated the need to develop the 'mini-station' approach, and describes those planning processes that led to the decision to proceed in the chosen direction, including the identification of those options that were proposed and subsequently rejected.

BC CA JU MU

### The Victoria Dispute Resolution Centre : an evaluation of the mediation process

by N. Dolan. Victoria : Ministry of the Attorney General, Policy and Program Services, 1989. iv, 120 p. Bibliogr. MICROLOG 90-03073 2 fiche

This report presents the findings of the evaluation. The purpose of the evaluation was to determine the degree to which the program had met its original objectives, and to identify the type of changes that would improve the process and outcome of the services.

BC JU PR

### Video classification directory, 1985-89

Toronto : Ministry of Consumer and Commercial Relations, Film Review Board, 1990. 53 p. Bilingual (Répertoire, classification...). MICROLOG 90-05595 1 fiche

This document lists the videos by title and provides for each the classification and duration in minutes. It provides descriptive information for some titles.

CU ON PR

### Video probe inspection of roofbolt holes at H-W Mine, Westmin Resources

by B. Arjang and R.W.D. Clarke. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. iii, 10 p. : ill. Bibliogr. (Report ; MRL 89-100(TR)) MICROLOG 90-03370 1 fiche

Two prototypes of stainless steel Swellex bolts developed by Atlas Copco were produced. In cooperation with INCO Ltd. and Falconbridge Ltd., a video survey was undertaken of a set of 60 boreholes at each mine site prior to installation of test bolts. A third site, at H-W Mine, Campbell River, B.C. was added and video inspection of 30 boreholes was conducted. This report describes the video equipment and the borehole inspection.

• BC CA CM NR PS SC

### Vieillir ensemble : une enquête sur les attitudes face au vieillissement dans le contexte multiculturel de l'Ontario

Conseil consultatif de l'Ontario sur l'âge d'or. Toronto : le Conseil, 1989. xv, 144 p. Bibliogr. L'éd. anglaise (Aging together...) sur la même fiche. ISBN 0-7729-9777-5 MICROLOG 90-00235 4 fiche

Présente une enquête sur les attitudes envers le vieillissement chez les personnes âgées des groupes multiculturels en Ontario, dont certaines sont nées au Canada, mais chez qui on compte un nombre croissant de personne qui sont nées dans d'autres pays. On y étudie les lois fédérales et provinciales qui régissent les droits humains et le multiculturalisme. On se penche également sur la politique dans ces domaines et sur la documentation courante ayant trait au vieillissement et à l'ethnicité. Finalement, on identifie les questions suivantes : l'immigration, les communications, l'accès aux services, particulièrement dans le domaine de la santé,

le logement, les soins prolongés, et les besoins des aînés en ce qui a trait au revenu. ON PR SA

### Vieillir-en toute liberté : rapport

Québec (Province). Comité sur les abus exercés à l'endroit des personnes âgées. Québec : Gouvernement du Québec, Ministère de la santé et des services sociaux, Direction des communications, 1989. 131 p. Bibliogr. ISBN 2-550-20007-1 MICROLOG 90-03643 2 fiche

Le premier chapitre du document rappelle les données démographiques qui permettent de tracer un portrait de la situation des personnes âgées et de comprendre en quoi l'âge et les conditions socio-économiques peuvent être sources de vulnérabilité. Les deux chapitres suivants décrivent les situations vécues par les personnes âgées selon leur lieu de vie : la communauté ou les divers milieux d'hébergement. Les trois derniers chapitres présentent les conclusions et les recommandations.

PR QU SA

### Le VIH et le sida : le plan d'action du Canada

Ottawa : Santé et bien-être social Canada, 1990. 62, 56 p. : ill. Bilingual (HIV and AIDS...). ISBN 0-662-54586-5 MICROLOG 90-06406 2 fiche

Ce document décrit l'ampleur du phénomène du VIH et du sida au Canada et dans le monde, et dresse les grandes lignes d'un plan d'action pour les années 90.

CA HE SA

### Le VIH et le SIDA en milieu de travail

Toronto : Commissaire à l'information et à la protection de la vie privée/Ontario, 1989. 24, 21 p. Bilingual (HIV/AIDS in the workplace). ISBN 0-7729-6378-9 MICROLOG 90-03234 1 fiche

L'apparition de l'infection par le VIH et du sida, cette maladie mortelle pour laquelle il n'existe aucun vaccin ni aucun traitement connu, a soulevé tout un éventail de questions graves sur le plan de la déontologie, du droit, de la médecine et de la vie en société. Ce rapport s'intéresse avant tout aux questions soulevées par le VIH et le sida sur le plan de la protection de la vie privée et, particulièrement, aux conséquences de la Loi de 1987 sur l'accès à l'information et la protection de la vie privée sur le traitement des renseignements personnels touchant au VIH ou au sida dans les milieux de travail.

HE LA ON PR

### Ville de Newcastle : étude de santé

par B.C. Balram. Fredericton : Santé et services communautaires Nouveau-Brunswick, 1990. vii, 75, vii, 78 p. Bibliogr. Bilingual (Town of Newcastle : health...). CSI 45125.202. MICROLOG 90-06560 2 fiche

Ce document présente la version finale de l'étude de santé de la ville de Newcastle. Elle vise principalement à valider les statistiques sur les taux de cancer de la ville de Newcastle, et à évaluer l'état de santé de ses habitants. Le rapport contient également des recommandations tirées des résultats de cette étude qui s'est déroulée en deux étapes : la première a permis de valider les statistiques sur le cancer, et la deuxième d'évaluer l'état de santé de ses habitants. Les données sur l'état de santé des habitants ont été rassemblées par le biais d'un questionnaire rempli par 604 (88%) des 684 foyers sélectionnés.

AP HE MU ST



**La Violence familiale : examen des écrits théoriques et cliniques**

par D. Frankel-Howard. Ottawa : Santé et bien-être social Canada, Direction générale de la politique, des communications et de l'information, 1989. 129, 115 p. Bibliogr. *Bilingue (Family violence...)*. ISBN 0-662-95439-4  
MICROLOG 90-01009 3 fiche

Cet examen a pour but de présenter un aperçu analytique des écrits récents portant sur la violence familiale. Il englobe des recherches d'érudition, des approches théoriques et des applications pratiques relatives à la prévention, à la protection et au traitement des cas de violence familiale.

• BS CA SA

**La Violence masculine dans les rapports intimes et le système judiciaire**

Fredericton : Conseil consultatif sur la condition de la femme du Nouveau-Brunswick, 1989. 38 p. Bibliogr. *Sommaire (9 p.) inclus. L'éd. anglaise (Male violence in...)* : 90-05890/1.  
MICROLOG 90-06500 1 fiche

Afin de présenter les résultats des fouilles faites lors d'enquêtes relatives à ce sujet, ce document fait un survol historique du dossier et définit clairement le problème. Ensuite, il décrit ce qui est connu de la situation telle qu'elle se présente actuellement au Nouveau-Brunswick, tente d'identifier les problèmes qui sous-tendent l'application de la loi et propose des mesures à prendre pour amener le système pénal à traiter du problème de façon plus satisfaisante.

AP BS PR SA SC

**Le Visage de la capitale nationale**

par J.H. Taylor. Ottawa : Secrétariat d'Etat du Canada, Direction des études canadiennes, 1988. 41, 39 p. : ill., cartes géogr. Bibliogr. (Réalités canadiennes) *Bilingue (The Face of the...)*. ISBN 0-662-55749-2  
MICROLOG 90-00857 1 fiche

Comprendre le visage urbain d'Ottawa, c'est comprendre tout autant l'histoire d'une ville que celle d'un gouvernement, soit une culture à la fois 'officielle' et 'vernaculaire'. Le kaléidoscope en découle est sans doute assez déconcertant. Mais, il suffit de soulever, une à une, les couches géologiques du processus de construction de la ville pour que tout s'organise et qu'apparaissent les complexités d'une structure marquée par de multiples influences et c'est en fait ce que ce document aborde.

CA CU MU ON

**Vision 2020 : perspectives énergétiques à long terme du Canada : document de travail**

Canada. Energie, mines et ressources Canada. Division de l'analyse énergétique et fiscale. Ottawa : Energie, mines et ressources Canada, 1989. ii, 95 p. *L'éd. anglaise (2020 vision : Canada's...)* : 90-02347/2.  
MICROLOG 90-02374 2 fiche

Ce document examine les hypothèses à la base des prévisions, présente une analyse de l'incidence des données prévisionnelles sur la demande d'énergie, jette un coup d'oeil du côté de l'offre des perspectives énergétiques, et finalement renferme un bref aperçu de la question environnementale.

• CA EN SC

**A Vision of heritage : heritage goals for Ontario**

Toronto : Ministry of Culture and Communications, 1990. 14, 14 p. : ill. Bibliogr. *Bilingual (Perspectives du patrimoine...)*. ISBN 0-7729-7066-1  
MICROLOG 90-06958 1 fiche

Identifies and discusses five heritage goals. It presents information on the Ontario Heritage Policy Review. It also provides a list of Ontario Heritage Policy Review reports.  
CU ON PR

**Visit to Dutch State Mines and other research centres, September, 1957**

by R.P. Charbonnier. Ottawa : Canada Centre for Mineral and Energy Technology, Energy Research Laboratories, 1957. 10 p. (Report : TM 76/57-PREP)  
MICROLOG 90-04541 1 fiche

Report of visits to the Dutch State Mines and to various mines and organizations in West Germany to discuss mine equipment and coal briquetting methods.

• CA CM NR PS SC

**Visit to Ferro Iron of Canada, Ltd., Prescott, Ontario**

by J.L. Horwood. Ottawa : Canada Centre for Mineral and Energy Technology, Mineral Sciences Laboratories, 1965. 3 p. (Report : MS 65-131)  
MICROLOG 90-04647 1 fiche

Description of a visit to the plant and a discussion of the preparation of a groups of samples. Areas of interest included milling, grain orientation by means of magnetic field during pressing, grinding, and magnetic testing.

• CA CM NR ON PS SC

**Visit to the Centre for Engineering Systems Advanced Research at ORNL on February 21, 1989 : trip report**

by S.B. Nickerson. Toronto : Ontario Hydro, Research Division, 1989. 23 p. : ill. Bibliogr. (Report : no. 89-144-K)  
MICROLOG 90-00413 1 fiche

As part of a PRECARN Associates Inc. sponsored feasibility study into the use of computer vision for the navigation of mobile robots, a visit was made to the Centre for Engineering Systems Advanced Research at Oak Ridge National Laboratory. This report gives details of the trip to Oak Ridge, focusing on discussion of HERMES hardware, the NCUBE hypercube, project management, the manipulator, HERMES IIb, navigation, the DOE/NE University program in robotics for advance reactors, a suitable platform for Ontario Hydro's ARK-1, and collaboration.

ON PR PS SC

**Visitation and outdoor recreation statistical report, 1988**

Regina : Saskatchewan Parks, Recreation and Culture, Management Services Branch, 1989. xiii, 148 p. : ill. *CS/ 71123.003*.  
MICROLOG 90-02272 2 fiche

This report is a statistical summary of the recorded use of Saskatchewan Park lands for the 1988 operating season. It details user statistic information in four main areas: park system use; camping; programs; and miscellaneous data.

CU MS PR ST

**Visite des stations touristiques de l'état du Maine**

Le Tourisme et la mer : tournée de familiarisation, état du Maine (1989 : Maine). Shediak, N.-B. : Commission économique du Sud-Est inc., 1989. 43, 46 p. *Bilingue (Development familiarization tour...)*.  
MICROLOG 90-03783 1 fiche

Le but principal du voyage était de permettre aux participants d'apprendre à mieux connaître leurs concurrents américains et d'apprendre les raisons de la popularité de la côte du Maine. Le rapport se divise en trois parties: la première décrit chacune des localités visitées; la seconde comprend un résumé des

présentations faites par les conférenciers invités à Ogunquit, Freeport et Boothbay harbor et la dernière présente les conclusions découlant de la visite.  
AP CO CU PR

**A Visual electronic Hansard system for the Nova Scotia House of Assembly : report**

by A. Donahoe. Halifax : Special Committee on House of Assembly Matters, 1990. 24 p.  
MICROLOG 90-07180 1 fiche

Report on the costs and feasibility of installing a visual electronic Hansard system in the Nova Scotia House of Assembly. The report covers the ownership and administration of the system, proposed guidelines, financial considerations, the physical installation, and a timetable for implementation. Appendices address estimated capital and operating costs and an assessment of lighting needs.

AP PA PR SC TE

**Vital statistics by health region, 1987**

Regina : Saskatchewan Health, Vital Statistics Branch, 1988. 82 p. *CS/ 72185.004*.  
MICROLOG 90-00307 1 fiche

Presents demographic birth and death data for each health region. The summary statistics are age-specific or age-standardized. It includes definitions of crucial terms, and a map of health regions.

HE MS PR ST

**Vital statistics for 1987**

Toronto : Office of the Registrar General, 1989. 330 p. *CS/ 56166.002*. ISSN 0701-7170  
MICROLOG 90-05401 4 fiche

Statistical coverage of population and vital statistics data for 1987 with trends from 1978. Covers natural increase, live births (including to unmarried mothers), still births, deaths (with five major causes), infant deaths, deaths from malignant neoplasms and diseases of circulation system, accidental and violent deaths, marriages and deaths, divorces. Most data for all Ontario with birth and death data for all municipalities, towns and cities.

HE ON PR ST

**Vitamins for swine**

by K. Dupchak. Winnipeg : Manitoba Agriculture, 1989. 5 p. Bibliogr. (Swine facts)  
MICROLOG 90-03445 1 fiche

Pigs require vitamins in much smaller amounts than other nutrients because they don't use vitamins as an energy source or a structural component. A pig's requirement for different vitamins varies depending on the ability of the animal to produce and store the vitamin. Each vitamin is discussed, giving a brief description of its function in the body. Deficiency/toxicity symptoms are included.

AG MS PR SC

**Vivre en collectivité : nouvelles orientations des services en établissement à l'intention des personnes âgées fragiles : rapport de consultation**

Toronto : Ministère des services sociaux et communautaires, Direction des services aux personnes âgées, 1989. iii, 65 p. Bibliogr. *L'éd. anglaise (Living in the community...)* : 90-01422/1. ISBN 0-7729-5696-0  
MICROLOG 90-01700 1 fiche

Le système de services à l'intention des personnes âgées fragiles en Ontario a évolué, reflétant le désir de la plupart des personnes âgées de demeurer à la maison ou dans leur collectivité aussi longtemps que possible. Les services de soutien sociaux et de santé offerts à domicile à l'intention des personnes âgées de la province ont été considérablement élargis. Le document a pour but d'élaborer une



politique susceptible de soutenir les efforts investis par les organismes de services sociaux afin de combler l'écart entre, d'une part, les services de soutien communautaires actuels à l'intention des personnes âgées qui ont besoin de soutien à domicile et, d'autre part, le système de soins dispensés en établissement à l'intention des gens qui exigent des soins complexes.  
HE ON PR SA

### Vivre ou survivre? Les Femmes, le travail et la pauvreté

par Morley Gunderson et Leon Muszynski ; avec la collaboration de Jennifer Keck.  
Ottawa : Conseil consultatif canadien sur la situation de la femme, 1990. i, 291 p. : ill. Bibliogr. *L'éd. anglaise (Women and labour market...)* : 90-06115/3. ISBN 0-662-95730-X MICROLOG 90-06114 4 fiche

Au Canada, 1,3 million de personnes travaillent à temps plein ou à temps partiel et appartiennent pourtant à la classe des économiquement faibles. Parmi elles, 383 000 sont employées à plein temps toute l'année et continuent malgré cela de connaître la pauvreté. Ce document porte sur les difficultés auxquelles doivent faire face les salariés classés comme économiquement faibles au Canada, et tout particulièrement les femmes.  
• CA LA SA

### Vocabulaire de biotechnologie végétale

par L. Boudreau-Lapointe. Ottawa : Bureau des traductions, Direction générale de la terminologie et des services linguistiques, 1988. viii, 77 p. Bibliogr. (Bulletin de terminologie ; 180) *Bilingue (Plant biotechnology vocabulary)*. ISBN 0-660-53993-4 MICROLOG 90-04846 1 fiche

Ce vocabulaire, anglais-français, français-anglais, porte sur la biotechnologie végétale, domaine où le besoin de terminologie se fait particulièrement pressant. Compte tenu de tous les termes qu'il contient, il répond aux attentes des scientifiques, des traducteurs et des rédacteurs.  
CA LS SC

### Vocabulaire de l'administration publique et de la gestion

par R. Pepermans. Ottawa : Bureau des traductions, Direction générale de la terminologie et des services linguistiques, 1990. xv, 775 p. Bibliogr. (Bulletin de terminologie ; 194) *Bilingue (Public administration...)*. ISBN 0-660-55655-3 MICROLOG 90-06869 9 fiche

Le Bureau de la traduction a notamment pour mandat de normaliser la terminologie employée dans la fonction publique. A ce titre, il effectue des travaux de terminologie, en collaboration avec des groupes de spécialistes, dans un grand nombre de domaines qui intéressent à la fois l'administration fédérale et le public. Ce document présente un bulletin de terminologie, dont le vocabulaire, français/anglais et anglais/français, porte sur l'administration publique et la gestion.  
CA PA

### Vocabulaire de l'automobile, français-anglais, fascicule III : la transmission

Anne-Marie Baudouin et Gilles Gilbert ; avec la collaboration de Marcel Allaire...et al.  
Montréal : Gouvernement du Québec, Office de la langue française, 1980. 87 p. : ill. Bibliogr. (Cahiers de l'Office de la langue française ; no 31) ISBN 2-551-03832-4 MICROLOG 90-03543 1 fiche

Ce fascicule traite des organes de transmission et d'utilisation du mouvement. La nomenclature anglaise des différentes pièces variant d'une société à l'autre, l'on retrouve souvent plusieurs termes pour désigner la même pièce. C'est

pour cela que ce fascicule tente de contenir des termes génériques.  
PR QU SC TR

### Vocabulaire de l'automobile, français-anglais, fascicule IV : le châssis et la carrosserie

Anne-Marie Baudouin et Gilles Gilbert ; avec la collaboration de Marcel Allaire...et al.  
Montréal : Gouvernement du Québec, Office de la langue française, 1980. 101 p. : ill. Bibliogr. (Cahiers de l'Office de la langue française ; no 32) ISBN 2-551-03833-2 MICROLOG 90-03544 2 fiche

Le fascicule IV de l'automobile qui traite du châssis et de la carrosserie termine la série consacrée à l'automobile. On y a recueilli dans ce fascicule les principaux termes relatifs à ces deux domaines en essayant de cerner les termes génériques. L'on retrouve, dans ce dernier fascicule, des illustrations qui facilitent la compréhension du texte.  
PR QU SC TR

### Vocabulaire de l'éducation au Québec

Québec : Gouvernement du Québec, Ministère de l'éducation, 1988. 227 p. : ill. ISBN 2-551-08314-5 MICROLOG 90-01098 3 fiche

Ce document comprend l'entrée proprement dite, le domaine d'emploi et les sous-domaines. De plus, il regroupe les points suivants: des informations d'ordre linguistique: équivalent anglais, synonyme, terme rejeté, etc; des renvois à d'autres entrées qui permettent souvent d'inscrire le terme défini dans un réseau plus large. Le document renferme une soixantaine de termes que la Commission de terminologie de l'éducation a repérés comme étant des termes propres au milieu québécois de l'éducation ou encore dont l'acception diffère de celle qui a cours.  
ED PR QU

### Vocabulaire de l'intelligence artificielle

par N. Lazure. Ottawa : Bureau des traductions, Direction générale de la terminologie et des services linguistiques, 1988. 2 v. Bibliogr. (Bulletin de terminologie ; 184) *Bilingue (Artificial intelligence vocabulary)*. Contient: Vol. I : Vocabulaire anglais-français -- vol. II : Lexique français-anglais. ISBN 0-660-54136-X MICROLOG 90-01628 13 fiche

Les techniques d'intelligence artificielles sont utilisées, surtout par le truchement des systèmes experts, dans de nombreux secteurs d'activité, par exemple la médecine, l'art militaire, l'aviation, la géologie, la finance et les transports. Ce vocabulaire comprend environ 12 000 termes ou expressions, dont 3 700 s'accompagnent d'une définition. La recherche terminologique a porté principalement sur les sous-domaines suivants: la représentation des connaissances, la démonstration de théorèmes, la reconnaissance des formes, la psychologie cognitive, l'informaticque, le traitement du langage naturel, la génération automatique de programmes, la résolution de problèmes, le traitement des images, les systèmes experts, la reconnaissance de la parole, la modélisation, la vision artificielle, la traduction automatique ou assistée par ordinateur, l'apprentissage, le dialogue homme-machine et, enfin, la logique et la linguistique appliquées à l'intelligence artificielle. La robotique est souvent considérée comme un sous-domaine de l'intelligence artificielle; pour des raisons d'ordre pratique, toutefois, les termes s'y rapportant ont été laissés de côté.  
CA PS SC

### Vocabulaire de la foresterie et des produits forestiers

Ottawa : Service canadien des forêts, 1987. xxvii, 613 p. (Publication ; no 2) *Bilingue (Forestry and forest...)*. ISSN 0835-3212

ISBN 0-662-55525-2  
MICROLOG 90-03801 7 fiche

Cet ouvrage rassemble plus de 12 000 termes et expressions de langues anglaise reliés à la foresterie et aux sciences connexes, ainsi qu'aux produits du bois. Y sont fournis les particularités et structures du corpus anglais; les variantes régionales des termes anglais; les expressions d'usage local, les unités; les noms propres, commerciaux, d'animaux et de plantes, et les noms composés chimiques; les termes techniques et noms d'instruments; le géronif; le nombre; les variantes orthographiques anglaises; les acronymes et abréviations; les régionalismes; le numéro de référence universel (NRU); et la source de l'expression anglaise et française.  
• CA FO SC

### La Voie de la promotion de la santé et de la prévention des maladies

par M. Terris. S.I. : Secrétariat des conférences intergouvernementales canadienne, 1989. 23, 16 p. Bibliogr. *Bilingue (The Road ahead for health...)*. Exposé au Colloque national sur la promotion de la santé et la prévention des maladies MICROLOG 90-00134 1 fiche

Ce document montre que l'erreur la plus grave que traduisent les politiques publiques actuelles en matière de santé, partout sur la planète, soit autant au Canada que dans tous les autres pays, est de présumer qu'en établissant un régime national de soins médicaux on crée un programme national de santé. Il est indispensable que les gouvernements prennent conscience qu'un programme national de santé véritablement efficace doit faire entrer en ligne de compte tous les facteurs qui influent sur la santé. Ces facteurs comportent trois éléments: le niveau de vie, la prévention, et les soins médicaux. Les gouvernements doivent également savoir que les soins médicaux sont l'élément de base le moins important du programme national de santé.  
• CA HE

### Voies de fait et mauvais traitements imposés aux femmes d'âge moyen et avancé par les conjoints et les enfants : bibliographie annotée

par E. Mastrocola-Morris. Ottawa : Santé et bien-être social Canada, Direction générale des programmes de service social, Division de la prévention de la violence familiale, Centre national d'information sur la violence dans la famille, 1987. 6 p. *L'éd. anglaise (The Assault and abuse...)* sur la même fiche. ISBN 0-662-95263-4 MICROLOG 90-03766 1 fiche

Cette brochure énumère 19 cas et inclut une brève description de chacun.  
BS CA SA

### Vol de biens culturels au Canada à 1988

Interpol Ottawa. Ottawa : Gendarmerie royale du Canada, 1989. xi, 223 p. : ill. *Bilingue (Theft of cultural...)*. ISSN 0840-4623 ISBN 0-662-56883-4 MICROLOG 90-02479 3 fiche

Cette publication est un document de référence permettant de vérifier rapidement si des oeuvres d'art ou des biens culturels dont la provenance est douteuse, ont été volés. Elle regroupe tous les vols signalés de 1984 à 1987 inclusivement, à l'exception des objets qui ont été récupérés. Elle couvre une période de plus de vingt ans et contient des renseignements sur près de 900 objets.  
• CA CU JU

### Volatile Organic Compounds Monitoring Network, Quality Assurance Plan : report

Ontario. Special Studies and Research



Management Unit. Toronto : Environment Ontario, 1990. 59 p. Bibliogr.  
MICROLOG 90-05560 1 fiche

Over the past few years, methods have been developed for measuring a number of volatile organic compounds in ambient air. The finalized measurement method is now being incorporated into a provincial network which will determine quantitatively ambient air levels of volatile organic compounds at a number of urban sites in Ontario. Several background or non-urban sites are incorporated for comparison purposes. Inherent in ambient air monitoring network operations is the commitment to ensure that all data are scientifically valid, defensible, thoroughly documented and reported with quality indicators. To achieve this goal a quality assurance program was integrated into the network operations. This document describes the quality assurance program, the components of the plan, its organization, and the network operations in the field and the laboratory, and in data management, training and upgrading, corrective action, documentation, system and performance audits and reporting.  
EV ON PR SC

#### Votre santé et les champs électromagnétiques : rapport

Canada. Groupe de travail sur les champs électriques et magnétiques mégamétriques. Ottawa : Santé et bien-être social Canada, 1990. 15 p. Bibliogr. *L'éd. anglaise (Electric and magnetic...)* sur la même fiche. ISBN 0-662-95633-8  
MICROLOG 90-03856 1 fiche

De plus en plus, on se soucie des effets que les champs électromagnétiques mégamétriques ont sur la santé, notamment les champs produits par les lignes d'alimentation en électricité. Un Groupe de travail a été créé pour évaluer l'existence et la portée des effets sur la santé des champs électromagnétiques associés à la production et à la consommation d'électricité. Il avait comme objectifs d'identifier les domaines où nos connaissances sont insuffisantes, d'encourager la recherche pour combler ces lacunes et de communiquer leur savoir scientifique sur la question. Ce document renseigne sur les effets sanitaires de l'exposition à des champs électromagnétiques à 60 Hz. Des rapports sur les activités, les conclusions et les recommandations du Groupe de travail sont annexés.  
CA EN HE PS SC

#### Les Voyages de plus de 24 heures des Canadiens des autres provinces au Québec en 1986 : comparaison avec les années 1980, 1982, et 1984 : vol. 2

par N. Brissette, P. Cluzeau et J. Luneau. Québec : Gouvernement du Québec, Ministère du tourisme, Direction de la stratégie et de la planification marketing, 1989. 103 p. : ill. CS/ 66128.201. ISBN 2-550-195-57-4  
MICROLOG 90-04241 2 fiche

Afin de mieux répondre aux besoins exprimés, les résultats fournis dans ce document sont présentés de telle sorte que : une partie fournit des données générales et comparatives sur les différents types de voyages effectués dans les différentes provinces; une partie montre les principales caractéristiques des voyages de plus de 24 heures faits au Québec; une partie présente des données régionalisées, tant sur l'origine que sur la destination des voyages de plus de 24 heures; et, une partie compare plus précisément les principales caractéristiques des voyages d'agrément, des voyages pour visiter des parents ou des amis et des voyages d'affaires et de congrès faits au Québec.  
CU PR QU ST

#### Les Voyages de plus de 24 heures des Québécois au Québec et dans les autres provinces canadiennes en 1986 : comparaison avec les années 1980, 1982 et 1984

par P. Cluzeau et J. Luneau. Québec : Gouvernement du Québec, Ministère du tourisme, Direction de la stratégie et de la planification marketing, 1989. 2 v. : ill. CS/ 66128.203. ISBN 2-550-195-56-6  
MICROLOG 90-03035 4 fiche

Ce volume porte, à la fois, sur les voyages des Québécois au Québec et ceux réalisés dans les autres provinces canadiennes. Les résultats sont présentés de telle sorte que, pour les voyages réalisés au Québec et dans les autres provinces canadiennes, on retrouve les renseignements suivants: une partie fournit des données générales et comparatives sur les différents types de voyages effectués dans les différentes provinces; une partie montre les principales caractéristiques des voyages de plus de 24 heures faits au Québec; une partie présente des données régionalisées, tant sur l'origine que sur la destination, des voyages de plus de 24 heures; et, une dernière partie compare plus précisément les principales caractéristiques des voyages d'agrément, des voyages pour visiter des parents ou des amis et des voyages d'affaires et de congrès.  
CU PR QU ST

#### Vue d'ensemble : le Canada et les Nations Unies

Ottawa : Ministère des affaires extérieures, 1989. 12 p. (Politique étrangère canadienne) *L'éd. anglaise (Overview : Canada and the United Nations)* : 90-01433/1.  
MICROLOG 90-02611 1 fiche

Au moment où la Seconde Guerre mondiale touchait à sa fin, il était devenu évident que les Etats du monde devaient désormais disposer d'une enceinte pour régler leurs différends par le dialogue plutôt que par les armes. C'est ainsi que vient le jour les Nations Unies 'afin de préserver les générations à venir du fléau de la guerre', de raffermir la foi à l'égard des droits fondamentaux de la personne, d'établir et de faire respecter le droit international ainsi que de promouvoir le progrès social et un meilleur niveau de vie. Ce document donne une vue d'ensemble en ce qui concerne la situation du Canada des Nations Unies.  
CA EX

#### The Vulnerability checklist : a tool for community self-assessment

see Diversification and single industry communities : the implications of a community economic development approach

#### Vulnerable : sexual abuse and people with an intellectual handicap

edited by Charlene Y. Senn. Downsview, Ont. : G. Allan Roeher Institute, 1988. viii, 115 p. : ill. Bibliogr. *French ed. (L'Exploitation sexuelle...)* : 90-03794/2. ISBN 0-920121-32-2  
MICROLOG 90-03793 2 fiche (Available on fiche only)

Surveys the literature which contributes to an understanding of the sexual abuse of children with developmental disabilities. It suggests that some children and adolescents with mental handicaps are at higher risk for sexual abuse than other children and adolescents. It examines the prevalence of child sexual abuse, developmental disabilities as a risk factor, identification of child sexual abuse, effects of sexual abuse, treatment for the child sexual abuse survivor, accessibility of services, prevention of sexual abuse, sex offenders with intellectual impairments, and legal issues in sexual abuse of children.  
• BS CA CI SA

#### Walking the tightrope of justice : an examination of the Office of the Attorney General : a series of opinion papers

see Royal Commission on the Donald Marshall, Jr., Prosecution, vol. 5 : walking the tightrope of justice : an examination of the Office of the Attorney General : a series of opinion papers

#### Wastage at sea of American plaice *Hippoglossoides platessoides* (Fabricius) in the southern Gulf of St. Lawrence fishery in the 1970's

by R.G. Halliday, D.E. Hay and K.I. Metuzals. Dartmouth, N.S. : Dept. of Fisheries and Oceans, Bedford Institute of Oceanography, Biological Sciences Branch, Marine Fish Division, 1989. vii, 36 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1663) ISSN 0706-6457  
MICROLOG 90-00375 1 fiche

The southern Gulf of St. Lawrence supports a large population of American plaice, which form a biologically discrete stock. Otter trawling was introduced in this groundfish fishery in 1947 and expanded rapidly. This fishery captured many plaice below market size, which were then discarded at sea. In 1976, a field project was conducted to obtain estimates of plaice discards in the groundfish fishery in this area. Sampling was designed to include different areas and the 2 main vessel types employed, which were small otter trawlers (less than 150 gross registered tons) and seiners, to examine the discards. The study mainly quantified fishery removals from the stock as a basis for describing the impact of fishing on population dynamics. This report describes the results of the 1976 project and also presents, for comparative purposes, discard data collected on a much smaller scale in 1972 and 1979.  
• AP CA CF FI SC

#### Waste Allocation Workshop report

submitted by Dillon Consulting Engineers and Planners. Toronto : Ontario Waste Management Corporation, 1988. 92 p. Bibliogr.  
MICROLOG 90-02868 2 fiche

A waste allocation workshop was held in January 1988, with a follow-up session in September 1988. The workshops were held to manipulate data on waste quantities broken down by source which could require off-site treatment and disposal under different regulatory scenarios for 1992 and 1997 into a useful form for the 'alternatives to' evaluation. Alternative destinations were categorized into 5 groups containing both existing and possible future destinations. Different ranges of allocations are considered based on different market conditions.  
EV ON PR SC

#### Waste heat recovery

St. John's : Dept. of Mines and Energy, 1989. 2 p. : ill. (Energain)  
MICROLOG 90-03787 1 fiche

Short summaries of 4 projects using waste heat, including refrigerant heat recovery, recirculation of fish hatchery water, a heat pump lumber dryer system, and a waste heat recovery project in a laundromat.  
AP EN PR SC

#### Waste in storage in Ontario

submitted to Canviro Consultants Ltd. ; contracted by the Ontario Waste Management Corporation. Toronto : VHB Research & Consulting Inc., 1988. iv, 38 p. Bibliogr.  
MICROLOG 90-02869 1 fiche

Estimation of the quantities of waste in storage in Ontario, conducted by an analysis of information obtained from a modified version of the generator registration database on wastes



in storage in Ontario, an analysis of information obtained for interviews with the manufacturing sector in Ontario carried out in 1984 and 1986, and confirmation of the data obtained through a telephone survey. The results of the survey were used to re-assess the quantity of waste in long term storage in the province.  
EV ON PR SC

### The Waste management crisis : a shared responsibility

Toronto : Association of Municipalities of Ontario, 1990. 10 p. (AMO report : waste management series 1990) *Brief to the Provincial/Municipal Policy Forum.*  
MICROLOG 90-06569 1 fiche (Available on fiche only)

Discusses the planning and approvals process; AMO's municipal waste abatement strategy, and statutory reform of municipal authority. Highlights the key waste management issues that require immediate provincial action.  
EV MU ON

### The Waste management planning and approvals process

Toronto : Association of Municipalities of Ontario, 1989. iii, 68 p. Bibliogr. (AMO report : waste management series 1989)  
MICROLOG 90-01037 1 fiche (Available on fiche only)

Addresses the Environmental Assessment Act and process from a municipal perspective. It offers a series of practical recommendations aimed at making the environmental assessment process more efficient and workable.  
CI EV MU ON SC

### Wastewater and solid waste management practices at federal facilities in Saskatchewan : an environmental evaluation

by J.T. Harrison, D.T. Waite and G. Kampman. Ottawa : Environmental Protection Service, Western and Northern Region, 1990. iii, 19 p. Bibliogr. (Report ; CP(EP) WNR 90/91-2)  
MICROLOG 90-06742 1 fiche

Review of wastewater and solid waste practices at 41 locations under federal jurisdiction in Saskatchewan to identify deficiencies and to recommend improvements where necessary. The evaluations were subjectively performed, using available information from site inspections or interviews.  
● CA EV MS SC

### Wastewater Technology Centre (Canada) : 1989 program overview

Burlington, Ont. : The Centre, 1990. 48 p. : ill. French ed. : 90-06122/1. ISBN 0-662-17937-4  
MICROLOG 90-06121 1 fiche

The Wastewater Technology Centre is one of 6 national research institutes. It undertakes R&D in environmental protection technology for areas related to water pollution control and waste management. This report describes the Centre's functions, partnerships and future directions in general, then provides more detail on the major research projects in the divisions of biological processes, physical/chemical processes and residue management.  
● CA EV NR SC

### Water chemistry and fish population status of ten lakes in southern New Brunswick : 1988 survey

by D.J. Martin-Robichaud and R.H. Peterson. St. Andrews, N.B. : Dept. of Fisheries and Oceans, Marine Fish Division, Biological Sciences Branch, Biological Station, 1990. iii, 24 p. : ill. Bibliogr. (Canadian technical report of fisheries and aquatic sciences ; no. 1727)  
ISSN 0706-6457  
MICROLOG 90-04271 1 fiche

Since 1978, 10 lakes in New Brunswick have been monitored every 5 years to provide data on physico-chemical parameters, and every 10 years to identify resident fish populations. This report discusses and compares the water chemistry and fish communities studied during the 1988 sampling season (May-October) with results obtained in 1978 and 1983.  
● AP CA CF EV FI SC

### Water chemistry of some lakes and channels in the Mackenzie Delta and on the Tuktoyaktuk Peninsula, N.W.T., 1985

by C. Anema...et al. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. vii, 73 p. : ill., maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 726) *This is the 28th data report from the Central and Arctic Region, Winnipeg.* ISSN 0706-6465  
MICROLOG 90-05444 1 fiche

Four species of whitefish (broad whitefish, lake whitefish, arctic cisco, and least cisco) make up a major portion of fish catches in the nearshore southern Beaufort Sea and Mackenzie Delta. All four migrate upstream into the Mackenzie River to spawn. This study was undertaken to examine the limnology of lakes used by corregonids of the Mackenzie Delta and southern Beaufort Sea. A variety of studies were undertaken simultaneously. This report gives biweekly chemistry data for 5 lakes and Kukuluk Bay on the Tuktoyaktuk Peninsula and 4 lakes and 2 channels in the Mackenzie Delta for the open water season of 1985. Several locations that were sampled only once are also included. Time variations of a set of chemical and water quality variables are discussed in detail.  
● CA CF EV FI NO NR PS SC

### Water chemistry of some lakes and channels in the Mackenzie Delta and on the Tuktoyaktuk Peninsula, N.W.T., 1986

by C. Anema...et al. Winnipeg : Dept. of Fisheries and Oceans, Central and Arctic Region, 1990. vi, 63 p. : ill., maps. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 729) *This is the 30th data report from the Central and Arctic Region, Winnipeg.* ISSN 0706-6465  
MICROLOG 90-05445 1 fiche

In 1985 a variety of studies were undertaken to examine the chemistry and limnology of lakes and channels in the Mackenzie Delta and on the Tuktoyaktuk Peninsula in anticipation of possible oil and gas developments in the Beaufort Sea. These studies were continued in 1986. This report presents the chemistry and water quality data obtained in 1986 for 2 lakes on the Peninsula, one lake northeast of Inuvik in the Caribou Hills and 5 lakes and 4 channels in the Mackenzie Delta. All samples were taken in the open water season.  
● CA CF FI NO NR PS SC

### Water disinfection by solar radiation : assessment and application

by A. Acra. Ottawa : International Development Research Centre, 1990. xi, 74 p. : ill. Bibliogr. (Technical study ; 66e) ISBN 0-88936-555-5  
MICROLOG 90-03835 1 fiche (Available on fiche only)

Publication providing basic information on solar energy, especially its ultraviolet (UV) component. Aspects such as the transmission of solar radiation through the atmosphere and different media (glass, water, plastics), its world distribution and the experimental monitoring of UV radiation in Beirut (Lebanon) are discussed. The main water disinfection methods are reviewed and continuous flow solar systems are explained. These were tested on two types of pilot plants (solar reactors), based on the biocidal characteristics of either solar

energy alone or halogens in combination with solar radiation (halosol system). The experimental results are discussed in detail, covering the kinetics of the processes, design of the reactors, and their performance in bacterial survival and solar dechlorination.  
CA EX NR PS SC

### Water erosion risk : Manitoba

by R.G. Eilers, M.N. Langman and D.R. Coote. Ottawa : Agriculture Canada, Research Branch, Land Resource Research Centre, 1989. 13 p. : map. Bibliogr. (LRRC contribution ; no. 87-12) *Bilingual (Risque d'érosion hydrique...).* Fold. map not filmed. ISBN 0-662-56376-X  
MICROLOG 90-03444 1 fiche

Table and maps describing those attributes of the dominant and subdominant soils that were used in estimating water erosion risk. Also shown are nonsoil characteristics related to these assessments, including surface texture class, erosivity of rainfall and snowmelt, combined effect of slope length and steepness, and soil erodability. The method used to estimate the risk of water erosion occurring on bare, unprotected mineral soils is also given.  
● AG CA MS SC

### Water quality assessment of Long, Mica, Opinicon, Sydenham, and Upper Rideau lakes, 1982

by W.G. Smith and N.G. MacLean. Sharbot Lake, Ont. : Ministry of Natural Resources, Rideau Lakes Fisheries Assessment Unit, 1985. iii, 60 p. : ill., maps. Bibliogr. (Report ; no. 14) ISSN 0828-1564 ISBN 0-7729-0882-6  
MICROLOG 90-05969 1 fiche

The Rideau Lakes Fisheries Assessment Unit water quality monitoring program began in 1981 to document a water quality data baseline; to establish long term monitoring to identify water quality trends, and to monitor the effects of specific water quality related stresses on fish habitat and communities. In 1982, monitoring was limited to the 5 warmwater lakes of the 10 available lakes. This report documents the results of those investigations on Long, Mica, Opinicon, Sydenham, and Upper Rideau lakes.  
EV ON PR SC

### Water quality at Stevens Island and Indian Bay, Shoal Lake, Ontario, June 29 and July 5, 1989

by A.E. Beck. Winnipeg : Manitoba Environment and Workplace Safety and Health, 1989. iii, 30 p. : maps. (Water Standards and Studies report ; no. 89-5)  
MICROLOG 90-03432 1 fiche

Consolidated Professor Mines Ltd. is in the process of developing the Duport Gold property, with surface structures and the associated ore concentrator to be located on Stevens Island. This development has aroused concerns about the protection of the water supply for the City of Winnipeg since that city draws its water supply from Indian Bay of Shoal Lake. Indian Bay straddles the Manitoba-Ontario border while most of the remaining surface area of Shoal Lake falls entirely within Ontario. Stevens Island, located centrally on Shoal Lake, is approximately 12 km, by water, from the City of Winnipeg water intake structure. A multi-jurisdictional inspection of the mine development was conducted on June 29, 1989, involving the entire area of Stevens Island that had been developed. This report provides observations on general conditions at the Stevens Island site as well as analytical results of water and sediment sampling. Results of the water sampling conducted near Stevens Island and at Indian Bay on July 5, 1989 are also presented.  
EV MS ON PR SC



**Water Quality Control Network : proceedings of the meeting**

compiled and edited by P. Payment and W.A. Sanchez. Ottawa : International Development Research Centre, 1989. 26 p. (Manuscript report ; 248e)  
MICROLOG 90-03211 1 fiche (Available on fiche only)

Water quality remains an important issue for developing countries, but the limited availability of funds as well as of technical facilities and trained staff seriously limits testing of water samples from areas that are not within range of large urban centres. In order to provide developing countries and remote areas of industrialized countries with inexpensive and simple field tests for assessing their drinking water quality, researchers from several countries were involved in comparing the suitability of various alternative tests for laboratory and field use under local conditions. The presence/absence, the H2S paper strip and the coliphage tests were compared to the standard tests normally performed for water quality testing. The study group suggested further research in these three tests and the initiation of some field evaluation of the last two tests.

CA EV EX SC

**Water quality evaluation of Buffalo Lake stabilization project**

Edmonton : Alberta Environment, Water Resources Management Service, Planning Division, 1989. v, 27 p. : ill. Bibliogr.  
MICROLOG 90-00262 1 fiche

Buffalo Lake is a large, shallow, moderately saline lake in which algal blooms are rare because of the inhibiting effect of high salinity on algal production. The lake is a popular recreation area, but lake level fluctuations have reduced its recreational attractiveness and hampered orderly development of the shore line. A study to divert water to stabilize the lake level was concluded in 1982, but no work was done. A third phase of studies was conducted in 1983 to further investigate stabilization and to quantify the extent to which nuisance aquatic algal and macrophyte growth might develop. Renewed interest in the Buffalo Lake stabilization project at present warrants a re-examination of past water quality studies and an evaluation of information collected since 1984. This report briefly reviews the Phase III water quality summaries and examines predictions made in earlier reports in light of new data. Emphasis is placed on predicting project impacts on Buffalo Lake phosphorus, salinity and algal biomass levels.

AL EV PR SC

**Water quality in the Wapiti-Smoky River system downstream of the Procter and Gamble Pulp Mill, 1983**

by L.R. Noton...et al. Edmonton : Alberta Environment, Environmental Assessment Division, Environmental Quality Monitoring Branch, 1989. x, 113 p. : ill. Bibliogr.  
MICROLOG 90-00274 2 fiche

Procter and Gamble Cellulose Ltd. operates a bleached kraft pulp mill near Grande Prairie, which discharges effluent to the Wapiti River. The mill began operation in 1973, but not until the late 1970s were there any public complaints about water quality in the Smoky River, into which the Wapiti drains. Since little data were available for the Smoky, a water quality study was carried out in 1983 to assess the impact of the pulp mill and to augment the data base and understanding of the Smoky River system. The lower Wapiti, the Smoky River, and the Peace River near the Smoky confluence were sampled in March, May, September and November 1983, over a range of river flows. A comprehensive list of physical, chemical, and biotic parameters were

included and mill effluents were sampled concurrently.

AL EV FO PR SC

**Water researchers and practitioners : Saskatchewan directory**

Water Studies Institute. Saskatoon, Sask. : Environment Canada, Ground Water Division, National Hydrology Research Institute, 1989. iv, 47 p. (NHRI contribution ; no. 89072)  
ISSN 0838-1992  
MICROLOG 90-06293 1 fiche

Directory of water researchers and practitioners in Saskatchewan, alphabetically listed, and including a subject index. Each entry includes professional address and phone, title, and area of interests.

CA NR PS SC

**Waterfowl management plan : Newfoundland and Labrador**

Ottawa : Environment Canada, Canadian Wildlife Service ; St. John's : Newfoundland and Labrador Environment, Wildlife Division, 1990. 15 p.  
MICROLOG 90-06366 1 fiche

In 1986, the North American waterfowl management plan was signed by Canada and the U.S. The plan sets out guiding principles to ensure conservation of waterfowl populations, particularly their habitat. This document describes the existing situation for waterfowl and their habitats, establishes goals and objectives, and describes general policies, programs and strategies to achieve these objectives.

• AP CA EV SC

**Waterfowl management plan : Nova Scotia**

Ottawa : Environment Canada, Canadian Wildlife Service ; Halifax : Nova Scotia Lands and Forests, Wildlife Division, 1990. 17 p.  
MICROLOG 90-06365 1 fiche

In 1986, the North American waterfowl management plan was signed between Canada and the U.S. The plan sets out guiding principles to ensure conservation of the waterfowl population, particularly the habitat. This report describes the existing situation for waterfowl and their habitats, establishes goals and objectives, and describes general strategies, programs and policies to achieve these objectives.

• AP CA EV SC

**Waterfowl management plan : Prince Edward Island**

Ottawa : Environment Canada, Canadian Wildlife Service ; Charlottetown : Prince Edward Island Environment, Fish and Wildlife Branch, 1990. 13 p. Bibliogr.  
MICROLOG 90-06367 1 fiche

In 1986, the North American waterfowl management plan was signed by Canada and the U.S. The plan sets out guiding principles to ensure conservation of waterfowl populations, particularly habitat. This report describes the existing situation for waterfowl and their habitat, establishes goals and objectives, and describes general policies, programs and strategies to achieve these objectives.

• AP CA EV SC

**Waterfront transportation in the context of regional transportation : background and issues : a discussion paper**

by N.A. Irwin and F.S. Foreman. Toronto : Royal Commission on the Future of the Toronto Waterfront, 1990. 136 p. : maps. Bibliogr. (Report ; 9) ISBN 0-662-17730-4  
MICROLOG 90-04352 2 fiche

This discussion paper starts with a description of transportation in the Greater Toronto Area

(GTA) and then describes and discusses transportation in the Toronto waterfront area, in the context of the larger system. At each level, that of the GTA and that of the waterfront, it provides a brief historical perspective followed by a description of the existing transportation system, recent transportation demand/supply trends, and outlooks. Possible transportation initiatives and current proposals are also described briefly, as well as the Port of Toronto. The paper raises a number of key questions for consideration during the forthcoming hearings. Information is taken from earlier publications by the Commission, as well as a large number of additional reports and proposals by public and private agencies.  
MU ON PL SC TR

**Waterloo (Ont.) : Treasurer's and auditors' report, 1989**

Waterloo, Ont. : The City, 1989. 75 p. CSI 89198.001.  
MICROLOG 90-04307 1 fiche

Contains the Treasurer's and Auditors' Report, together with the following additional reports: taxable assessment, population statistics, Industrial Lands Account Impost Reserve Fund, Public Lands Reserve Fund, Unit Levy Reserve Fund, Recreation and Culture Concession, Sewer Surcharge Account, 404/Rotary Adult Centre, library addition, Northfield Fire Station, Bechtel/Parkview Service Building, and Adult Recreation Centre addition.  
CO MU ON PR

**Watershed : interim report**

by D. Crombie. Toronto : Royal Commission on the Future of the Toronto Waterfront, 1990. 207 p. : ill., maps, fold. map. Bibliogr. ISBN 0-662-18012-7  
MICROLOG 90-06731 3 fiche

This report constitutes the Commission's second interim report. It addresses the ecosystem, principles for a green waterfront, and regenerating the Toronto waterfront.  
MU ON PL SC

**Watershed data base : North Thompson River**

by T.G. Brown...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 105 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 773) ISBN 0706-6465  
MICROLOG 90-02568 2 fiche

Report integrating an individual watershed's physical characteristics with its logging history and salmonid escapements. Information is given on 46 watersheds located within the North Thompson River drainage system and covers location, physical characteristics, forest cover, tenure status, biogeoclimatic variants and relative abundance of salmonid species.

• BC CA CF EV FI SC

**Watershed data base : South Thompson River**

by T.G. Brown...et al. Nanaimo, B.C. : Dept. of Fisheries and Oceans, Fisheries Research Branch, Pacific Biological Station, 1989. iv, 121 p. : ill. Bibliogr. (Canadian data report of fisheries and aquatic sciences ; no. 772) ISBN 0706-6465  
MICROLOG 90-02569 2 fiche

Report integrating an individual watershed's physical characteristics with its logging history and salmonid escapements. Information is given on 55 watersheds located within the South Thompson River drainage system and covers location, physical characteristics, forest cover, tenure status, biogeoclimatic variants and relative abundance of salmonid species.

• BC CA CF EV FI SC



**Wave forces on a pipeline in a trench**

by M.G. Skafel and C.T. Bishop. Burlington, Ont. : National Water Research Institute, Research and Applications Branch, 1990. i, 11 p. : ill. Bibliogr.  
MICROLOG 90-06360 1 fiche

Most existing design information for wave forces on pipelines deals with pipes on a flat bottom, not in a trench. However, the Beaufort Sea environment will require submarine pipelines to be placed in trenches. A series of tests representative of Beaufort design conditions was conducted at a scale of 1:15 in the wind-wave flume. Flow visualization tests were also conducted at a scale of 1:60 in a smaller flume to gain information on the complexities of the flow close to the pipe.  
CA EN EV NO PS SC

**Wawaitin GS west dyke rehabilitation : test results of roller compacted concrete cores**

by P.K. Mukherjee. Toronto : Ontario Hydro, Research Division, 1989. ii, 20 p. : ill. (Report ; no. 89-184-K)  
MICROLOG 90-03997 1 fiche

A report was submitted on the roller compacted concrete (RCC) system proposed for the rehabilitation of Wawaitin Generating Station control unit. The report included details of a field trial carried out at the Dufferin Construction Co. yard at the Pearson International Airport, Toronto. Three trial strips of RCC pads were placed on October 29 and 30, 1987, using 3 types of concrete mixtures. A number of 150 mm diameter cores were drilled at various locations from the trial strips and were tested to determine the quality of the in-situ RCC. This report summarizes the results of these tests.  
EN ON PR PS SC

**Ways of improving the water supply systems at the salmon breeding stations of the Far East**

by G.N. Kurganskii. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 2 p. (Canadian translation of fisheries and aquatic sciences ; no. 5461) Originally published in Russian. ISSN 0704-3716  
MICROLOG 90-00601 1 fiche

Description of a plan for a choice of water supply for fish rearing stations in the far east of the Soviet Union, using a mixture of ground and underground waters.  
• CA CF FI SC

**Weather forecasting and terminology**

Edmonton : Alberta Agriculture, 1988. 4 p. (Agri-fax)  
MICROLOG 90-02564 1 fiche

Pamphlet on weather forecasting and terminology, including how forecasts are produced, their limitations and interpretation, forecast dissemination, definitions of weather warnings, and definitions of terminology.  
AL EV PR SC

**Weed seedling identification guide**

Winnipeg : Manitoba Agriculture, 1990. 25 p. : ill.  
MICROLOG 90-03422 1 fiche

Guide to the identification of weed seedlings, divided into the categories of seedling grass, and broadleaf weeds. An index to the common names is provided.  
AG MS PR SC

**Weights of fishing gear and equipment for calculating the stability of fishing vessels**

by A. Farstad. Ottawa : National Research Council, Canada Institute for Scientific and

Technical Information, 1988. 81 p. : ill. (Canadian translation of fisheries and aquatic sciences ; no. 5414) Originally published in Norwegian, by the Institute of Fishery Technology Research, at Trondheim, Norway. ISSN 0704-3716  
MICROLOG 90-01506 1 fiche

Discussion of the basic principles of vessel stability, followed by comments on problem areas and sources of error in the performance of inclining experiments, the most common method used to determine the stability of a vessel under various loading conditions. The report contains a summary in the form of tables and diagrams of available information on gear and equipment depending on fishing method and vessel size. Weight data were obtained from questionnaires and follow-up interviews with vessel owners and gear manufacturers.  
• CA CF FI SC

**Weld process development for fabrication of heavy wall pressure vessel, part 3**

by B. Wright. Cambridge, Ont. : Babcock & Wilcox Canada, 1989. v, 57 p. : ill. Bibliogr. CANMET contract: OSQ85-00090.  
MICROLOG 90-03956 1 fiche

Pressure vessels for processing fuel from conventional and tarsands resources involves fabrication of heavy wall thickness 2.25Cr-1Mo material. Canadian fabricators are restricted by availability of forged shell sections to produce these vessels so that the use of formed plate to manufacture shell sections requires evaluation. This program compared fabrication techniques for the manufacture of a shell section from 2.25Cr-1Mo plate with those for forming C-Mn plate and evaluated the use of the Esab AB HNG narrow gap system for submerged arc welding circumferential seams in a production environment.  
• CA CM PS SC

**The Wellington area community profile**

Prince Edward Island. Research, Evaluation and Technical Services. Charlottetown : The Services, 1989. 41 p. : ill.  
MICROLOG 90-03869 1 fiche

This report discusses various social and economic characteristics of the Wellington area, and, in some instances, makes comparisons with the Province. The following subject areas are discussed: population; age distribution; marital status; home language, mother tongue, and official language; ethnic origin; place of birth; mobility status; highest level of education; dwelling characteristics; labour force activity; occupation; industry; class of worker; and 1985 income.  
AP MU SA

**West Edmonton Mall : facts and figures -- Rev.**

Edmonton : Edmonton Planning and Development, Strategic Planning Branch, Forecasting and Policy Development Group, 1988. iv, 22 p. : ill., maps.  
MICROLOG 90-00149 1 fiche

Provides facts and figures on the Mall and shows the socio-economic impacts of the Mall on the overall city, downtown and the province of Alberta. It provides an overview of Edmonton including information on its population, income, and retail sales, and describes the evolution of the Mall.  
AL CO MU PL

**The West Prince area community profile**

Prince Edward Island. Research, Evaluation and Technical Services. Charlottetown : The Services, 1989. 55 p. : ill.  
MICROLOG 90-03863 1 fiche

Examines the social and economic characteristics of the area. It also makes comparisons with the province where possible. The following subject areas are discussed: population; age distribution, marital status; home language, mother tongue, and official language; ethnic origin; place of birth; mobility status; highest level of education; dwelling characteristics; labour force activity, occupation; industry; class of worker; and 1985 income.  
AP MU SA

**The West Prince Industrial Commission : a case study**

by Wayne MacKinnon, with the assistance of Jon Pearce. Ottawa : Economic Council of Canada, 1989. viii, 45 p. Bibliogr. (Local development paper ; no. 7) ISSN 0225-8013  
MICROLOG 90-04056 1 fiche (Available on file only)

The West Prince Region of Prince Edward Island is characterized by chronic economic and social problems, including out-migration, unemployment and underemployment, relatively low levels of income and education, an inadequate infrastructure, and failure to develop and utilize its resource base fully and to promote secondary industry. Faced with these challenges, the province established the West Prince Industrial Commission in 1977 to increase the region's economic activity. This study examines the role of the Commission as a community economic development agency, with particular emphasis on its rationale, efficiency, effectiveness, and impact to date.  
• AP CA CO

**Western Arctic (Inuvialuit) Claim Implementation : Annual review 1988-89**

Ottawa : Indian and Northern Affairs Canada, 1989. 24, 29 p. : ill. Bilingual (Mise en oeuvre de la Convention...). CSI 21113.010. ISBN 0-622-57012-X  
MICROLOG 90-03153 1 fiche

The main objectives of the IFA are to preserve Inuvialuit cultural identity and values; enable the Inuvialuit to be equal and meaningful participants in the northern and national economy and society; and to conserve and protect Arctic wildlife and environment.  
• CA NO NP

**Western Committee on Crop Pests : 1990 report**

edited by J.L. Harris. Winnipeg : The Committee, 1990. 166 p. Bibliogr. CSI 41100.018.  
MICROLOG 90-05071 2 fiche

The Committee meets annually to revise this report, with the information listed for the use of provincial and other agencies that issue recommendations for the control of insects and related pests of crops, home gardens, shelterbelts, ornamental trees and shrubs, households, and warehouses and farm-stored grain. Only insecticides registered before October 15, 1989 are recommended. Pests are listed by type of crop. A section is included on general hazards and safeguards in applying insecticides to crops in bloom. Information on economic threshold of use, chemical control, restrictions, and references are given for each pest.  
• AG AL BC CA MS SC

**Westmeath Provincial Park : preliminary management plan**

Toronto : Ministry of Natural Resources, 1989. ii, 30 p. : maps. Bibliogr. ISBN 0-7729-5995-1  
MICROLOG 90-01934 1 fiche

Westmeath Provincial Park is one of the few undeveloped areas remaining along the Ottawa River in Ontario and is situated on a large bend in the river 16.5 km from the City of



Pembroke. This preliminary management plan presents the goals and objectives, boundaries and zoning, resource and recreation management, operations policies, visitor services, research, marketing, development, and implementation strategy for the park area.  
CU ON PR

### Wetland management in the settled area of Alberta : background for policy development

developed by the Alberta Water Resources Commission ; in cooperation with the provincial departments of Agriculture...et al. Edmonton : The Commission, 1990. v, 56 p. : ill. Bibliogr. ISBN 0-7732-0424-5 MICROLOG 90-07257 1 fiche

Responsibility for management of wetland resources in the settled areas of Alberta is divided among several provincial government departments, leading to the need for an integrated wetlands management policy to address the problem of wetland loss and to provide consistent direction. This report contains background information considered during the development of a draft wetlands policy. The report includes a discussion of the different types of wetlands and the value of wetland resources; wetland management concerns and guiding principles; a review and evaluation of government legislation, policies and programs that affect wetlands, as well as those of nongovernment organizations; management objectives for wetland resources, and policies and programs in other jurisdictions. Finally, the report examines wetland management policy options and makes recommendations for an integrated wetland policy. The draft policy is included.  
AL EV PR SC

### Wetlands : values and options : a draft policy for the management of wetlands in the settled area of Alberta

Alberta Water Resources Commission. Edmonton : The Commission, 1990. 11 p. : ill. Bibliogr. ISBN 0-77-32-0423-7 MICROLOG 90-05863 1 fiche

This document provides background information on wetlands, describes the benefits that wetlands provide and presents several strategies for wetland management. Public participation is encouraged through the inclusion of tear-out question and answer sheets.  
AL EV PR SC

### Wetlands and their role in treating acid mine drainage : a literature review

by N.K. Dave and T.P. Lim. Ottawa : Canada Centre for Mineral and Energy Technology, Mining Research Laboratories, 1989. i, 37 p. Bibliogr. (Report ; MRL 89-107(LS)) MICROLOG 90-02553 1 fiche

Updated literature review on the construction, use and performance of wetlands in treating acid mine drainage. The scope of the review is limited to the use of wetlands in controlling acid generation and metal release from mining wastes.  
• CA CM EV NR SC

### Wetlands are not wastelands : interim report

by W.K. Bond...et al. Ottawa : Canadian Wildlife Service ; Wildlife Habitat Canada, 1988. iii, 16 p. Bibliogr. French ed. (Les Terres humides...) on the same fiche. MICROLOG 90-06359 1 fiche

This multi-year study between the Canadian Wildlife Service and Wildlife Habitat Canada intends to demonstrate that wetlands are not wastelands. Current methods of evaluating many resources inadequately portray their true environmental and economic value to society

based on the functions they support. This is particularly true of wetlands. It is proposed to develop and evaluate alternative procedures and evaluation methodologies which more adequately portray the true values of wetland resources. This interim report describes the progress of the project to date.  
• CA EV SC

### Wetlands habitat management through nutrient enrichment

by R. Melanson and F. Payne. Halifax : Dept. of Lands and Forests, 1988. viii, 115 p. : ill., maps. Bibliogr. (Occasional paper ; no. 1) Fold. maps not filmed. MICROLOG 90-00530 2 fiche

The vast majority of freshwater wetlands in Nova Scotia are oligotrophic and do not support a diverse or abundant floral and faunal community. During the summer of 1984 a nutrient enrichment project was undertaken in an attempt to increase the food source for wetlands related wildlife and consequently increase wildlife usage on a 4.9 ha impoundment in East Bay, Jordan Lake, Nova Scotia. Nitrogen and phosphorus levels in the impoundment were elevated through the addition of urea and triple-super-phosphate fertilizers from 1985-87. The effects of fertilization were evaluated through the monitoring of water chemistry, macrophyte growth and diversity, aquatic macroinvertebrate biomass and diversity and wetlands related wildlife use.  
AP EV PR SC

### Wetlands planning policy statement : implementation guidelines

Ontario. Ministry of Natural Resources. Toronto : The Ministry, 1989. 30, 30 p. Bilingual (Déclaration de principes...). ISBN 0-7729-5134-4 MICROLOG 90-03260 1 fiche

This policy statement applies to provincially significant wetlands (Class I and II wetlands). It may be applied to Class III (regionally significant wetlands) and Class IV to VII (locally significant wetlands) as deemed appropriate by regional and local municipalities. The document identifies public and other agencies with involvement and variation in local conditions as a result of jurisdiction, characteristics of the wetland, technical information available, nature of the proposed development, and whether the wetland is in Northern or Southern Ontario. Implementation of the provincial policies through the Planning Act is discussed, along with methods of evaluation of the strategy proposed.  
EV ON PA PR SC

### What's happening in the -- Utilization Section at Research Division

by J.M. Bell. Toronto : Ontario Hydro, Research Division, 1988. 29 p. : ill. (Report ; no. 88-157-K) MICROLOG 90-01729 1 fiche

Overview of the major activities in the Utilization Section at Research Division of Ontario Hydro. The system develops new applications of electricity, improves the efficiency and effectiveness of existing equipment, and determines the performance characteristics of new products. Activities are categorized by end user (industrial, residential, commercial), describing the goals, work program, deliverables, and future impacts of each project. Work in the industrial sector includes technology transfer, drying and concentrating processes, surface treatments, and materials and automation. Work in the residential and commercial sectors includes burner assisted, advanced cold climate and ground source heat pumps, water heating, heat recovery and thermal storage and building science. In addition, residential sector projects include demand solutions for electric heating and appliance and heat pump standards.  
EN ON PR SC

### When does deterrence succeed and how do we know?

by R.N. Lebow and J.G. Stein. Ottawa : Canadian Institute for International Peace and Security, 1990. 90 p. Bibliogr. (Occasional papers ; no. 8) French ed. (La Dissuasion : analyse...) : 90-05432/2. ISBN 0-662-17457-7 MICROLOG 90-04464 2 fiche

Reviews the selection and coding of data used by prominent studies of deterrence and identifies their conceptual and empirical inadequacies. The authors then build on this critique to reformulate deterrence theory and elaborate a research programme to test its propositions.  
• CA EX

### Where credit is due : a case study of the Eagle River Credit Union

by J. Wickham, R. Fuchs and J. Miller-Pitt. Ottawa : Economic Council of Canada, 1989. xi, 73 p. Bibliogr. (Local development paper ; no. 4) ISSN 0225-8013 MICROLOG 90-01677 1 fiche (Available on fiche only)

The purpose of this case study is to document the factors which led to the success of the Eagle River Credit Union, and to offer broader insights to help guide the formulation of rural economic development policy in Canada.  
• CA CO

### Where the economy and the Constitution meet in Canada

by B. Hodgins. Toronto : C.D. Howe Institute, 1981. iv, 53 p. Bibliogr. (Observation ; no. 24) ISSN 0826-9947 MICROLOG 90-04930 1 fiche

Contains a preview of the issues, and the framework of the debate. It also discusses province-building versus country-building, the constitutional agenda, the issue of resources, the provisions of the BNA Act, resource ownership and interprovincial trade, the constitutional amendment on resources in relation to provincial objectives, resource revenues, the Canadian economic union, constitutional amendment on mobility rights, regional economic inequalities and redistribution, and redistribution and the resolution.  
• CA CO JU PA

### Where the rubber meets the road : from health promotion rhetoric to health promotion action

by T. Hancock. S.I. : Canadian Intergovernmental Conference Secretariat, 1989. 26, 28 p. Bibliogr. Bilingual (La Promotion de la santé...). A presentation to the National Symposium on Health Promotion & Disease Prevention. MICROLOG 90-00131 1 fiche

Discussion of the action needed for health promoting policies, plans and programs to be put into action. The paper gives a brief overview of the history of health promotion in Canada, then discusses various means of moving from rhetoric to action, including understanding the limits to sick care and defining health goals; the present infrastructure and capacity of the health care system including funding, knowledge development, education and training, and the establishment of national centres of excellence; the concept of a healthy public policy, including social and health inequities, sustainable development and healthy environments, food and agricultural policy and health, and structures and process for healthy public policy; methods of strengthening community action through community control and support; and methods of developing personal skills for both the public and the health practitioner.  
• CA CI HE



**Whitemud Watershed Conservation District : management plan**

Winnipeg : Manitoba Rural Development, Conservation Districts Authority, 1990. 43 p. : ill., maps.  
MICROLOG 90-06249 1 fiche

The Whitemud Watershed is Manitoba's oldest and largest conservation district, comprising all or part of 14 rural municipalities, one local government district, and Riding Mountain National Park. This Plan outlines the policy, program and budget priorities for the next 5 years and describes the long-term direction. The plan covers the purposes of the management plan, its financial background, and the proposed management of water, crossings, soil, fisheries, wildlife, heritage resources, recreation and tourism, and conservation education. A 5-year financial plan is included also.

EV MS PR SC

**WHMIS : are we ready? A workshop**

WHMIS : are we ready? (1988 : Hamilton, Ont.). Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1988. 75 p. : ill. ISBN 0-660-13087-4  
MICROLOG 90-01079 1 fiche

Provides the text of speeches given at the workshop covering employee safety education and workplace hazards.

• CA HE LA

**Who are the homeless? What is homelessness? The politics of defining an emerging policy issue**

by J.D. Hulchanski. Vancouver, B.C. : University of British Columbia, School of Community and Regional Planning, 1987. 21 p. Bibliogr. (Discussion paper ; no. 10) ISSN 0828-2439  
MICROLOG 90-05483 1 fiche (Available on fiche only)

This paper examines the politics of defining a 'new' social problem, and homelessness in the U.S. and Canada. It also presents three examples of local initiatives from Toronto. Finally, it addresses the future of homelessness as a social problem.

BC PR SA

**Who's who in sport and recreation in Manitoba**

Winnipeg : Minister Responsible for Sport, 1989. 62 p.  
MICROLOG 90-01460 1 fiche

Lists personnel in the provincial departments; the Sport Directorate; Recreation and Regional Services; the Administrative Centre for Recreation and Sport; recreation Associations and Departments; Fitness; Education and Sport in Manitoba; related agencies; and national organizations.

CU MS PR

**Why are Canadians dying out?**

by K.J. Krótki. Edmonton : University of Alberta, Dept. of Sociology, 1990. 41 p. : ill. Bibliogr. (Research discussion paper ; no. 65) CSI 99241.210. ISSN 0317-2473  
MICROLOG 90-06539 1 fiche

The fact of Canadians 'dying out' in the statistical sense since the early 1970s is undeniable. This paper shows that unless fertility habits change, Canadians will begin to die out in the arithmetical sense by the turn of the century.

• CA SA

**Wide Area Vehicle Monitoring (WAVM) system development in Ontario and the emerging worldwide competition**

by J. Tsai. Downsview, Ont. : Ministry of Transportation, Transportation Technology and

Energy Branch, 1989. iv, 20 p. : ill. Bibliogr. Presented at: Goods Movement Communications -- the electronic age session MICROLOG 90-00374 1 fiche

The wide area vehicle monitoring (WAVM) system is an application of satellite communications and navigation technologies to provide real-time truck location and identification information and 2-way message communication services between equipped trucks and trucking company base stations. Many trucking companies consider the WAVM system an important missing link between their computerized fleet dispatch system and their trucks on the road. This paper describes WAVM development and application in Ontario, and reviews the emerging worldwide competition in the WAVM technology and market.

ON PR SC TR

**Wife battering and the web of hope : progress, dilemmas and visions of prevention : discussion paper**

by L. MacLeod. Ottawa : National Health and Welfare Canada, Family Violence Prevention Division, 1989. v, 56 p. Bibliogr. French ed. (Espoirs et déceptions.) : 90-00762/1 : Presented at the National Forum on Family Violence : working together.  
MICROLOG 90-00763 1 fiche

Includes a discussion on prevention of wife abuse, and creating an action program for prevention. It also provides a fact sheet on the incidence of wife battering and examines the role of the justice system; the special challenges of women who are doubly isolated as a result of living in remote areas or being minority women; sheltering battered wives; programs for men who batter; and husband abuse.

BS CA CI SA

**Wild rice in Canada**

by S.G. Aiken...et al. : published by NC Press Limited ; in cooperation with Agriculture Canada. Toronto : NC Press Limited ; Ottawa : Agriculture Canada, 1988. 130 p. : ill., maps. Bibliogr. French edition (Le Riz sauvage...) : 90-03214/2. ISBN 1-55021-027-0  
MICROLOG 90-04032 2 fiche

Wild rice is an annual aquatic grass that grows in shallow lakes and rivers throughout eastern and north central North America. It is best known as a culinary delicacy and as an export product, in addition to being a visible component of Indian culture. In the U.S., it is grown in paddies as a cultivated crop. This report describes the appearance of the wild rice plant and gives a taxonomic review of the genus, species and varieties; the habitat and the diseases and pests affecting it; methods of harvesting and processing the grain and the management of natural stands; and the wild rice industry, including government involvement, the impact of the paddy culture on the industry, and industry quality control.

• AG CA SC

**Wild Rose Foundation (Alta.) : Annual report 1987-88**

Edmonton : The Foundation, 1988. 16 p. : ill. CSI 35193.001.  
MICROLOG 90-02937 1 fiche

The Foundation helps community nonprofit volunteer organizations with grants of up to \$50,000. This annual report lists grants approved and awarded, and provides a profile of founding members. It includes statements of the financial position of the Foundation.

AL PR SA

**Wild Rose Foundation (Alta.) : Annual report 1988-89**

Edmonton : The Foundation, 1989. 16 p. : ill. CSI 35193.001.  
MICROLOG 90-05268 1 fiche

Annual report of the Foundation, established in 1984 as a source of funding for organizations whose programs do not qualify for assistance from regular government sources, or from other lottery supported foundations. Its income is provided by the Western Canada Lottery Corporation. An overview is given of the year's activities, with a list of grants approved and awarded, the backgrounds of the various foundation members, and a financial statement.

AL CO PA PR

**Wildlife habitat handbooks for the southern interior ecoprovince, vol. 2 : species notes for selected birds**

by R.W. Campbell, K.H. Morgan and C. Palmateer. Victoria : Ministry of Environment, Wildlife Branch ; Ministry of Forests, Forestry Division, Research Branch ; Ottawa : Wildlife Habitat Canada, 1988. 131 p. : ill., maps. Bibliogr. (Wildlife habitat research ; WHR-29) (Wildlife report ; R-16) ISSN 0825-2769 ISBN 0-7726-0985-3  
MICROLOG 90-06816 2 fiche

One of a series of 11 handbooks to provide forest, wildlife and range managers with the knowledge and tools to assess impacts of various land management practices on wildlife and its habitat. This report is the bird component of the information base called species notes. These notes present knowledge of habitat requirements for terrestrial vertebrates and summarize the literature describing the distribution, habitat requirements, and selected life history characteristics, from a provincial perspective, for selected bird species occurring in the southern interior ecoprovince. Species notes include taxonomy, synonyms, distribution, habitat requirements-pattern, habitat classes, specific habitat elements, habitat requirements, territory/home range, and status.

BC EV LS PR SC

**Wildlife habitat handbooks for the southern interior ecoprovince, vol. 3 : species notes for reptiles**

by S.A. Orchard and A.P. Harcombe. Victoria : Ministry of Environment, Wildlife Branch ; Ministry of Forests, Forestry Division, Research Branch ; Ottawa : Wildlife Habitat Canada, 1988. 44 p. : ill., maps. Bibliogr. (Wildlife habitat research ; WHR-30) (Wildlife report ; R-17) ISSN 0825-2769 ISBN 0-7726-0986-1  
MICROLOG 90-06817 1 fiche

One of a series of 11 handbooks to provide forest, wildlife and range managers with the knowledge and tools to assess impacts of various land management practices on wildlife and its habitat. This report is the reptile component of the species notes, which present knowledge of habitat requirements for terrestrial and aquatic vertebrates and summarize the literature describing the distribution, habitat requirements, and selected life history characteristics, from a provincial perspective, for the 11 reptile species occurring in the southern interior ecoprovince. Information is given on taxonomy; synonyms; distribution, seasonality and abundance; habitat requirements; habitat classes; specific habitat elements; habitat requirements-pattern; territory/home range; and activity and movement patterns.

BC EV LS PR SC

**Wildlife habitat handbooks for the southern interior ecoprovince, vol. 4 : species notes for amphibians**

by S.A. Orchard and A.P. Harcombe. Victoria : Ministry of Environment, Wildlife Branch ; Ministry of Forests, Forestry Division, Research Branch ; Ottawa : Wildlife Habitat Canada, 1988. 38 p. : ill., maps. Bibliogr. (Wildlife habitat research ; WHR-31) (Wildlife report ; R-18) ISSN 0825-2769 ISBN 0-7726-0987-X  
MICROLOG 90-06820 1 fiche



One of a series of 11 handbooks to provide forest, wildlife and range managers with the knowledge and tools to assess impacts of various land management practices on wildlife and its habitat. This report is the amphibian component of the species notes, presenting knowledge of habitat requirements for terrestrial and aquatic vertebrates and summarizing the literature describing the distribution, habitat requirements, and selected life history requirements, from a provincial perspective, for the 8 amphibian species occurring in the southern interior ecoprovince. Species notes cover taxonomy; synonyms; distribution, seasonality and abundance; habitat requirements; habitat classes; specific habitat elements; habitat requirements-pattern; territory/home range; and activity and movement patterns.  
BC EV LS PR SC

**Wildlife habitat handbooks for the southern interior ecoprovince, vol. 5 : species-habitat relationship models for mammals**

by R. Ritcey...et al. Victoria : Ministry of Environment, Wildlife Branch ; Ministry of Forests, Forestry Division, Research Branch ; Ottawa : Wildlife Habitat Canada, 1988. 245 p. Bibliogr. (Wildlife habitat research ; WHR-32) (Wildlife report ; R-19) ISSN 0825-2769 ISBN 0-7726-0988-8  
MICROLOG 90-06727 3 fiche

This publication is part of a series which provides forest, wildlife, and range managers with the knowledge and tools to assess impacts of various land management practices on wildlife and its habitat. This handbook organizes biological data for various ecosystems or habitats and uses it to report on the relationships between mammals and their habitats, based on a mixture of literature and professional expertise.  
BC LS PR SC

**Wildlife habitat handbooks for the southern interior ecoprovince, vol. 6 : species-habitat relationship models for birds**

by R. Ritcey...et al. Victoria : Ministry of Environment, Wildlife Branch ; Ministry of Forests, Forestry Division, Research Branch ; Ottawa : Wildlife Habitat Canada, 1988. 192 p. Bibliogr. (Wildlife habitat research ; WHR-33) (Wildlife report ; R-20) ISSN 0825-2769 ISBN 0-7726-0989-6  
MICROLOG 90-06818 3 fiche

One of a series of 11 handbooks to provide forest, wildlife and range managers with the knowledge and tools to assess impacts of various land management practices on wildlife and its habitat. This report assimilates knowledge on the relationships between birds and their habitats, based on a blend of literature and professional expertise. Very little data was available on which to base the model ratings. For each species a standardized set of information is provided in two types of tables. The first table consists of a listing of all habitats or habitat complexes used by that species; the seasons it uses each habitat; and the expected relative abundance of the species in that habitat. The second set of tables displays the species-habitat relationship values for all habitats in which the abundance was rated as common or abundant for a particular season of use or all habitats in which the highest abundance category was only scarce.  
BC EV LS PR SC

**Wildlife habitat handbooks for the southern interior ecoprovince, vol. 7 : species-habitat relationship models for reptiles**

by S.A. Orchard and A.P. Harcombe. Victoria : Ministry of Environment, Wildlife Branch ; Ministry of Forests, Forestry Division, Research Branch ; Ottawa : Wildlife

Habitat Canada, 1988. 43 p. Bibliogr. (Wildlife habitat research ; WHR-34) (Wildlife report ; R-21) ISSN 0825-2769 ISBN 0-7726-0990-X  
MICROLOG 90-06728 1 fiche

This publication is part of a series which provides forest wildlife and range managers with the knowledge and tools to assess impacts of various land management practices on wildlife and its habitat. The handbook organizes biological data for various ecosystems or habitats and uses it to report on the relationships between reptiles and their habitats, based on a mixture of literature and professional expertise.  
BC EV PR PS SC

**Wildlife habitat handbooks for the southern interior ecoprovince, vol. 8 : species-habitat relationship for amphibians**

by S.A. Orchard and A.P. Harcombe. Victoria : Ministry of Environment, Wildlife Branch ; Ministry of Forests, Forestry Division, Research Branch ; Ottawa : Wildlife Habitat Canada, 1988. 41 p. Bibliogr. (Wildlife habitat research ; WHR-35) (Wildlife report ; R-22) ISSN 0825-2769 ISBN 0-7726-0991-8  
MICROLOG 90-06819 1 fiche

One of a series of 11 handbooks to provide forest, wildlife and range managers with the knowledge and tools to assess impacts of various land management practices on wildlife and its habitat. This report assimilates knowledge on the relationships between amphibians and their habitats, based on a blend of literature and professional expertise. A standardized set of information is provided in 2 types of tables. The first table consists of a listing of all habitats or habitat complexes used by that species; the seasons it uses each habitat; and the expected relative abundance of the species in that habitat. The second set of tables or matrices displays the species-habitat relationship values for all habitats in which the abundance was rated as common or abundant for a particular season of use or all habitats in which the highest abundance category was only scarce.  
BC EV LS PR SC

**Wildlife management areas : a public information paper**

Victoria : Ministry of Environment, 1989. iii, 18 p. ISBN 0-7726-1024-X  
MICROLOG 90-00643 1 fiche

Plan proposing a 4-step procedure to designate land as a wildlife management area. The report covers the goal of the wildlife management areas system; types of areas; such areas in wilderness designations; the designation process; implications of wildlife management areas; and public information and involvement. Prescriptions for the use of timber or forage are also included.  
BC EV PR SC

**Wildlife Toxicology Fund : Annual report to the Minister of Environment 1987-88**

Ottawa : Environment Canada ; World Wildlife Fund, 1988. 91 p. : ill. CSI 32154.001.  
MICROLOG 90-06291 1 fiche

Annual report of the Fund, providing a summary of the year's activities, a brief history of the Fund, and an overview of its activities from 1985-88. These activities included the provision of information on the Fund's activities to universities, professional journals, and the popular press; funding of research into Great Lakes contamination; acid rain; forest herbicide use; heavy metals in the environment; marine ecosystem health; and the contamination of Arctic wildlife. A discussion of the relevance of work funded to national and international environmental concerns and the use of the

Fund as a catalyst for the private sector and non-governmental organizations is included. A number of future proposals are also identified.  
CA EV SC

**Wildlife viewing in British Columbia : the tourism potential**

Ethos Consulting, Land Sense Ltd., Youds Planning Consultants. S.I. : Canada-British Columbia Economic and Regional Development Agreement, 1988. viii, 89 p. : maps. Bibliogr. MICROLOG 90-03842 2 fiche

Wildlife viewing has important implications for tourism in B.C. This trend is evidenced by the surge in African tourism and by the popularity of whale watching on this province's coast. This study evaluates the importance of B.C.'s wildlife viewing resources, examines the resident and nonresident markets, considers the industry's present condition and its potential, and identifies approaches to development, management and marketing.  
● BC CA CU EV PR SC

**Willet Township**

compiled by the staff of the Resident Geologist's Office, Cobalt, Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 35 p. : maps. Bibliogr. (Geological data inventory folio ; GDIF 551) *Fold. maps not filmed.*  
MICROLOG 90-04574 1 fiche

Geological data inventory for Willet Township, including a checklist of data sources, a reference list of mineral commodities, mineral occurrences, type of exploration work done and by whom, drillhole summary by company, age dating, aerial photos and topographical maps available, newspaper clippings, results of an OGS/ODM general index search, and selected references.  
NR ON PR SC

**Williams Lake timber supply area : options report**

Williams Lake, B.C. : Forest Service, Cariboo Forest Region, 1989. 46 p. : maps.  
MICROLOG 90-03839 1 fiche

The options report for the Williams Lake timber supply area is an intermediate step in the preparation of the resource management plan for this area. The review of this report constitutes one of the opportunities for public input into the planning process. The options report contains a number of potential management choices on timber, range and recreation and lists the foreseen impact of each. A description of the Williams Lake area and the supply and demand for the resources is given, as well as a comparison of options.  
BC FO PR SC

**Williston Reservoir raising : environmental overview -- Rev.**

Vancouver, B.C. : B.C. Hydro, System Operations and Maintenance Division, Environmental Services, 1988. viii, 109 p. : ill., maps. Bibliogr. MICROLOG 90-01770 2 fiche

This preliminary environmental overview report was prepared by B.C. Hydro in June 1987 and revised in July 1988 as an initial assessment of the possible 1.5 m (5 ft.) raising of the Williston Reservoir maximum normal level. The environmental overview study and the associated engineering and property studies were undertaken to provide information for a decision on whether to initiate more detailed studies. Overview studies are based mainly on available reports, mapping and field data, supplemented by limited site reconnaissance and, in this case, input from key agencies and groups. The lack of adequate mapping of areas which could be affected reservoir raising did not permit definitive conclusion to be reached. It is planned to do this mapping



over the next year to complete the overview assessment. This document covers the impact assessment of socio-economic factors, forestry, reservoir clearing, heritage, recreation, aquatic resources, and wildlife. Further studies in each of these areas are also included.  
BC EN EV PR SC

#### Willow species of disturbed sites in the sub-boreal spruce zone in north-central British Columbia

by G.L. Porter. S.I. : Forest Resource Development Agreement, 1990. vi, 67 p. : ill. Bibliogr. (FRDA handbook ; 004) ISSN 0835-1929 ISBN 0-7726-1084-3 MICROLOG 90-06798 1 fiche

Willows constitute a group of plants which represent both critical moose browse and potential brush problems for forestry. This guide identifies the willow species that occur on disturbed sites in north-central B.C.; provides descriptions and keys; describes the ecological and geographical patterns of distribution and abundance of these species and the patterns of seasonal change in the vegetative and reproductive stages of the most abundant willow species; and characterizes each species according to its use as winter moose forage.  
● BC CA EV FO LS SC

#### Wind erosion risk : Manitoba

by D.R. Coote, R.G. Eilers and M.N. Langman. Ottawa : Agriculture Canada, Research Branch, Land Resource Research Centre, 1989. 16 p. : map. Bibliogr. (LRRRC contribution ; no. 87-10) Bilingual (Risque d'érosion éolienne...). Fold. map not filmed. ISBN 0-662-56330-1 MICROLOG 90-03442 1 fiche

Soil degradation has become a serious concern in Canada and soil erosion by wind is one form of the problem. This document, and the map accompanying it, provides information about the risk of wind erosion in Manitoba. Information recorded includes the attributes of the dominant and subdominant soils that were used in estimating wind erosion risk. Also shown are nonsoil characteristics related to these assessments, including the surface texture class, maximum 1-h wind speed during April and May (30-year normals) and available moisture in surface soil estimated for April and May. Methods of estimating wind speed are also given.  
● AG CA MS SC

#### Wind force measurement on a model fuelling machine trolley in a simulated LOCA

by A.M.C. Chan and J.H. Russell. Toronto : Ontario Hydro, Research Division, 1989. i, 39 p. : ill. Bibliogr. (Report ; no. 89-201-K) MICROLOG 90-03528 1 fiche

Description of a series of tests to measure the drag force on a fuelling machine trolley model during a simulated loss of coolant accident in a multi-unit nuclear power station using an air blowdown facility. The test facility consists of 1/40th scale model of a Bruce Nuclear Generating Station reactor vault, part of the fuelling machine duct and 2 fuelling machine trolleys. Accidents were simulated by discharging high pressure air from 2 large holding tanks through the tunnel. To simulate prototype accident conditions, local Mach numbers of up to 0.175 and 0.15 were obtained for the one and two trolley cases respectively.  
EN ON PR PS SC

#### Wind shear feasibility study : final report

prepared for the Transportation Development Centre ; by Ivor C. Barnard. Ste-Anne-de-Bellevue, Que. : Spar Aerospace Ltd., 1989. xxxvi, 207 p. : ill. Bibliogr. MICROLOG 90-01812 3 fiche

Recent wind shear related incidents in and around airports have caused an increased awareness within the air transportation community of their hazards. A system to detect low level wind shear conditions in and around Canadian airports would need to detect and locate, with a high degree of confidence, events out to 15 km from the centre of the airport and to provide sufficient warning for pilots to operate their aircraft safely. This report presents a thorough meteorological review of wind shear phenomena, including the important parameters of the physical nature of microbursts. Various technologies/systems are examined for their suitability to the wind shear detection problem, the most promising of which are ground-based radar and anemometers. These sensors are assessed in depth and conceptual system designs and the estimated order of magnitude costs are outlined.  
CA PS SC TR

#### Wind tunnel experiments to determine correction functions for shipboard anemometers

by M.L. Thiebaux. Dartmouth, N.S. : Bedford Institute of Oceanography ; Dept. of Fisheries and Oceans, Scotia-Fundy Region, Physical and Chemical Sciences, 1990. iv, 57 p. : ill. Bibliogr. (Canadian contractor report of hydrography and ocean sciences ; no. 36) ISSN 0711-6748 MICROLOG 90-04320 1 fiche

Description of a boundary-layer wind-tunnel experiment in which correction functions for shipboard anemometers were determined. Scale models of the CSS DAWSON, CSS BAFFIN, and CSS HUDSON, each carrying the regular ship anemometer and an experimental bow anemometer, were tested. Angular error and speed correction functions were plotted and tabulated and their application to the measurement of unknown wind fields was demonstrated.  
● CA CF PS SC

#### Wind-tunnel assays to determine the effect of minor pheromone components on the responses of male spruce budworm

by C.J. Sanders. Sault Ste. Marie, Ont. : Canadian Forestry Service, Great Lakes Forestry Centre, 1990. 20 p. Bibliogr. (Information report ; O-X-404) ISSN 0832-7122 ISBN 0-662-17051-2 MICROLOG 90-04347 1 fiche

Bioassays of the sexual behaviour of male spruce budworm were carried out in a wind-tunnel to identify minor pheromone components that might improve male responses to the 95:5 blend of the major pheromone components, the unsaturated aldehydes E- and Z-11-tetradecenal. Filter paper and rubber septa were used to dispense the pheromone. The septa were placed on cones of filter paper, which permitted the assay of courtship and copulatory attempts in addition to activation and in-flight responses.  
● CA FO LS SC

#### Windstorm damages and losses in the Town of Gimli, R.M. of Gimli, R.M. of Victoria Beach, L.G.D. of Alexander, L.D.G. of Armstrong, Fort Alexander Reserve and the Village of Dunnattar, 1988 : final report

Winnipeg : Manitoba Disaster Assistance Board, 1988. iii, 34 p. MICROLOG 90-05073 1 fiche

Report presenting details of the government's windstorm assistance program and the activities and findings of the Board relating to the severe windstorm of June 24, 1988. Payments are given for individuals and municipalities involved.  
AG MS PR SC

#### The Windy postman problem on general graphs

by M. Gendreau, G. Laporte and Y. Zhao. Montreal : Université de Montréal, Centre de recherche sur les transports, 1990. 10 p. Bibliogr. (Publication ; no. 698) MICROLOG 90-06428 1 fiche

The Windy Postman Problem consists of determining a least cost oriented tour covering all edges of a connected undirected graph, when the cost of traversing an edge depends on the direction of travel. This document suggests new integer linear programming formulations for this problem, and presents alternative solution procedures derived from them.

● CA SC TR

#### Winnipeg victim impact statement pilot project : final report

prepared by T. Clarke ; for the Manitoba Victim/Witness Advisory Board. Ottawa : Dept. of Justice, 1988. 186 p. : ill. MICROLOG 90-00440 3 fiche

Presents a program where the effects of the crime on the victim can, in a systematic manner, be available to the court at the time of sentencing. It also offers ways in which the perception of victims and their role in the court process could be improved. Finally, it determines the feasibility of developing a program that would give all victims of crime the opportunity to provide information to the court on the impact of the crime.  
● CA JU MS MU

#### Winnipeg (Man.) : Annual financial reports 1988

Winnipeg : The City, 1988. 181 p. : ill. CSI 89801.001. MICROLOG 90-00534 2 fiche

This report includes information on tax levies and rates, assessment, debenture debt analyses, and floating debt. It also includes the annual report of the sinking fund trustees, and the annual financial statements of the Convention Centre Corporation and Winnipeg Enterprises Corporation.  
MS MU PA

#### Winter creel surveys on Inner Long Point Bay, Lake Erie, 1978-88

by A.J. Timmerman. Port Dover, Ont. : Ministry of Natural Resources, Lake Erie Fisheries Assessment Unit, 1988. v, 29 p. : ill., maps. Bibliogr. (Report ; 1988-5) ISBN 0-7729-4137-8 MICROLOG 90-01408 1 fiche

Data concerning the winter ice-fishery on Inner Long Point Bay are available since 1959 but estimates of total effort and harvest are available only since 1978. This report documents methods and results of winter creel surveys on the Bay from 1978-88. The creel surveys quantified the angling catch and harvest particularly of yellow perch, estimated angling effort and angling success rates, monitored the age and length composition of the yellow perch harvest, and determined angler residency.  
FI ON PR SC

#### Winter milling wheat production

by D.R. Mellish. Halifax : Dept. of Agriculture and Marketing, Soils and Crops, 1990. 2 p. (Fact Sheet) MICROLOG 90-04036 1 fiche

Short summary of winter wheat production, including field selection, variety selection, fall and spring fertilizer application, weed control, lodging control, and disease and insect control.  
AG AP PR SC



### The Winter sport fisheries of Big Clear, Big Rideau, Big Salmon, Charleston and Devil lakes, 1984

by R.R. Claytor, A. Mathers and N.G. MacLean. Sharbot Lake, Ont. : Ministry of Natural Resources, Rideau Lakes Fisheries Assessment Unit, 1985. iv, 74 p. : ill., maps. (Report ; no. 13) ISSN 0828-1564 ISBN 0-7729-0660-2  
MICROLOG 90-05968 1 fiche

In 1981, the Rideau Lakes Fisheries Assessment Unit initiated a long-term creel census program to assess the sport fisheries of Big Clear, Big Rideau, Big Salmon, Charleston, and Devil lakes during the winter and summer lake trout open seasons. The program is designed to provide both qualitative and quantitative sport fishery data for trend-through-time analysis. Information to be gathered includes estimates of catch, harvest, effort, and angler success rates, length, weight, and age structures of the harvest; contribution of hatchery origin fish to the harvest; fishing methods; and user-group characteristics. This report summarizes the results of the 1984 winter creel census and examines trends in light of several indices of overexploitation. A summer creel census on these 5 lakes is conducted only during odd-numbered years.  
CU ON PR

### Witches' broom revisited

by G. Estabrooks. S.I. : Canadian Forestry Service - Maritimes, 1990. 4 p. (Technical note ; no. 224) ISSN 0820-8107  
MICROLOG 90-03130 1 fiche

This note continues the discussion on yellow witches' broom taken up in an earlier technical note. The note describes the behaviour of the fungus and an experiment begun in 1986 at an affected plantation near Fredricton, New Brunswick. Each of the 500 trees in the plantation was examined for broom rust and, as infections were found, the age and location of infections were recorded and all the buds and/or shoot growth were cut off. The experiment continued for 5 years and the results of it led to the recommendations made in this note.

• AP CA FO SC

### Women and labour market poverty

by Morley Gunderson and Leon Muszynski ; with Jennifer Keck. Ottawa : Canadian Advisory Council on the Status of Women, 1990. i, 254 p. : ill. Bibliogr. French ed. (*Vivre ou survivre? Les Femmes...*) : 90-06114/4. ISBN 0-662-17366-X  
MICROLOG 90-06115 3 fiche

Women experience discrimination in pay and job opportunities and are segregated in low-paying occupations and industries. This document examines the problem of working poverty in Canada with a special focus on women. Although there is significant understanding of the nature of poverty in Canada, including women's poverty, there is not yet a clear account of the relationship between women's poverty and women's labour market experience. This document offers information to fill this void.

• CA CI LA SA

### Women and part-time work in Nova Scotia : background paper

Nova Scotia Advisory Council on the Status of Women. Halifax : The Council, 1989. ii, 21 p. Bibliogr.  
MICROLOG 90-01139 1 fiche

The purpose of this paper is to provide a framework for discussion on the many issues raised by part-time work. It examines the expansion of part-time work in the Nova Scotia economy and explores the resultant growth of a part-time labour force. It includes recommendations.  
AP LA PR SA

### Women and poverty revisited : a report

National Council of Welfare (Canada). Ottawa : The Council, 1990. ii, 153 p. : ill. Bibliogr. CS/ 22251.206 ISBN 0-662-18006-2  
MICROLOG 90-06899 2 fiche

Examines women's lives to find out why the positive changes of the last decade were not translated into a reduction in their share of poverty. It shows that women are still extremely vulnerable to poverty for reasons almost beyond their control. It identifies the main causes as child care responsibilities, labour market inequities, marriage breakdown, and widowhood.

CA SA

### Women and the workplace

edited by Peter Karl Kresl. Montreal : Association for Canadian Studies ; Ottawa : International Council for Canadian Studies, 1988. iii, 33 p. Bibliogr. (Canadian issues ; Vol. X, no. 1) ISSN 0318-8442 ISBN 0-919363-16-4  
MICROLOG 90-04811 1 fiche

This document contains a paper by Albert J. Mills on organizational acculturation and gender discrimination, and a paper by Deborah Poff which discusses women and economic equity in Canada.

• CA CI LA SA

### Women in development : a sectoral perspective

Ottawa : Canadian International Development Agency, Public Affairs Branch, 1989. 133 p. Bibliogr. ISBN 0-662-16991-3  
MICROLOG 90-00754 2 fiche

Discusses women and the following sectors and programs: agriculture; education and training; energy; fisheries; forestry; health, population and nutrition; human settlement; transport; water supply and sanitation programs; and micro- and small-scale enterprises. It presents a strategy to ensure that women in developing countries are included, both as agents and beneficiaries, in all development programs.

• CA EX SA

### Women's health issues

by W. Williams. St. John's : Women's Policy Office, 1989. 48 p. Bibliogr. ISBN 0-920769-64-0  
MICROLOG 90-03095 1 fiche

Discusses reasons why women's health needs must be addressed. It includes a background discussion on the health care system, change in the Canadian health community, and the women's community. The information in the report is based on 25 surveys conducted, 16 with representatives of the women's community and nine with health professionals. It provides information on how the survey was done, and an analysis of the survey.

AP PR SA

### Women's reproductive health, the Canadian Charter of Rights and Freedoms and the Canada Health Act : background paper

by S.L. Martin. Ottawa : Canadian Advisory Council on the Status of Women, 1989. ii, 86 p. Bibliogr. (Background paper ; BP 1989-2E) French ed. (*La Reproduction féminine, la...*) : 90-06138/2. ISBN 0-662-17420-X  
MICROLOG 90-05249 1 fiche

Examines the sources and forms of regulation concerning women's reproductive health; the provision of health-care services and the Canada Health Act; and the provision of health-care services and the Canadian Charter of Rights and Freedoms.

CA HE SA

### Women's role in natural resource management in Africa

edited by Eva M. Rathgeber ; with the collaboration of Bonnie Kettel. Ottawa : International Development Research Centre, 1989. iv, 133 p. (Manuscript report ; 238e) MICROLOG 90-00922 2 fiche (Available on fiche only)

The papers presented in this volume grew out of a meeting held at York University in Toronto, May 16-19, 1988. The papers cover woman's role in natural resource management and in broader social, political and economic development; examinations of specific cases having to do with sectoral issues, including legal rights, energy, water management, food processing, wildlife management, and milk production, and methodological issues.  
CA EX NR SA SC

### Women's studies programmes in Ontario universities

Toronto : Council of Ontario Universities, 1989. 55 p. Bibliogr. ISBN 0-88799-241-2  
MICROLOG 90-01114 1 fiche

This document presents a history of the development of women's studies in Canada, and describes women's studies undergraduate programmes in Ontario, and women's studies graduate programmes in Canada. It includes a selected bibliography on women's studies.  
ED ON PR SA

### Wood-waste fuelled indirectly-fired gas turbine cogeneration plant for sawmill applications, phase II : site-specific preliminary engineering and financial analysis

prepared by Canadian Resourcecon Ltd., R.L. Evans & Associates Ltd., Bachrich Consulting Ltd. Ottawa : Energy, Mines and Resources Canada, Renewable Energy Branch, Bioenergy Development Program, 1988. xii, 59 p. : ill. Bibliogr.  
MICROLOG 90-01356 1 fiche

A project was undertaken to develop a cost-effective system to generate electricity and dry kiln heat for sawmills, using an indirectly-fired gas turbine cycle. Sawmill residues are used as fuel to heat clean air which will power the turbine before exhausting through a heat exchanger in the lumber dry kiln. This report, phase 2, describes the preliminary engineering and financial analysis for a specific demonstration site.

• CA EN FO PS SC

### Work and family responsibilities : an overview of New Brunswick government initiatives

Fredericton : Women's Directorate, 1990. 32 p. French ed. (*Responsabilités professionnelles...*) on the same fiche.  
MICROLOG 90-06503 1 fiche

Discusses background factors relating to work and family responsibilities. It also highlights provisions for the general population of New Brunswick which fall under the umbrella of 'work and family responsibilities.' Finally, it provides an overview of provisions for New Brunswick government employees.  
AP LA PR SA

### Work and new technology : some thoughts on the effect of office automation on productivity and the process of change

by L. Deschênes. Laval, Que. : Dept. of Communications, Canadian Workplace Automation Research Centre, 1987. 16 p. Bibliogr. Presented at the Symposium on Productivity and Information Processing. French ed. (*Travail et nouvelles technologies...*) : 90-04205/1.  
MICROLOG 90-04187 1 fiche



This document discusses the following topics: worker productivity, corporate productivity, and organization change and innovation.  
CA LA PS SC

#### Work and unions in Canada

by B.D. Palmer. Ottawa : Dept. of the Secretary of State of Canada, Canadian Studies Directorate, 1988. 38, 43 p. : ill. Bibliogr. (About Canada) *Bilingual (Le Travail et les...)*. ISBN 0-662-56297-6  
MICROLOG 90-00858 1 fiche

Describes how work defines Canadians and moulds the way in which they view the world around them. It covers the historical development of work in Canada, the changing occupation structure, women and work, the microchip revolution, health and safety in the 1980s workplace, unions and industrial relations in the 1980s, and humanizing work and quality of working life programs.  
CA LA

#### Work scheduling on Canadian Coast Guard Ships : physiological and psychological impacts : summary report

by R. Boulard, M.-A. Telle-Lamberton and M. Vézina. Montreal : Transport Canada, Policy and Coordination Group, Transportation Development Centre, 1989. v, 17 p. : ill. Bibliogr. *French ed. (Organisation temporelle...sommaire...)* : 90-07197/1.  
MICROLOG 90-07191 1 fiche

The purpose of this publication is to document the effects of the schedules, in order to increase their efficiency, and to suggest a number of changes applicable to all ships. It includes a synthesis of knowledge, an ergonomic analysis, and a chronobiological study. It includes conclusions and recommendations.  
CA HE LA

#### Work, work, work : impacts of office automation on work, workers, and workplaces : executive summary

by S. Clark...et al. Laval, Que. : Communications Canada, Canadian Workplace Automation Research Centre, Organizational Research Directorate, 1987. 15 p. ISBN 0-662-16185-8  
MICROLOG 90-04415 1 fiche

This report presents information on general perspectives on technological change, work attitudes, technological change and health, work processes and procedures, and user acceptance.  
• CA LA TE

#### Work-relatedness in the Ontario workers' compensation system : discussion paper

Toronto : Workers' Compensation Board, 1990. 16 p.  
MICROLOG 90-05232 1 fiche

This paper explains the relationship of the evidentiary question to the question of the required links for work-relatedness, explores a possible policy approach to the general principles, and proposes a process for consultation.  
LA ON PR

#### Workable : fulfilling the potential of people with disabilities

Toronto : Ontario Advisory Council for Disabled Persons, 1990. xi, 129, xii, 122 p. Bibliogr. *Bilingual (Permettre aux personnes...)*. ISBN 0-7729-6867-5  
MICROLOG 90-06994 4 fiche

The report discusses treatment of earned income, in-kind benefits, and speedy re-instatement of social assistance benefits for people with disabilities to bridge them from

dependency on income-support programs to independence and employment. Besides recommending that people with extraordinary drug and medical expenses receive in-kind benefits regardless of income, the report calls for a re-examination of the viability of a comprehensive and universal disability insurance system.  
ON PR SA

#### Worker productivity in merchantable thinning, shelterwood and remnant removal operations

Truro, N.S. : Dept. of Lands and Forests, 1989. 8 p. Bibliogr. (Forest research report ; no. 16)  
MICROLOG 90-02232 1 fiche

Over the past decade, silviculture activity in Nova Scotia has increased and funds available under cost-shared federal/provincial agreements have provided much of the incentive. Under these agreements, landowners, contractors and companies receive full or partial payment up to a maximum rate for the completion of a variety of silviculture operations including tree planting, cleaning, remnant removal and merchantable thinning treatments. To provide a basis for refining silviculture treatment assistance rates, a study was implemented in 1986/87 to collect and analyze productivity data on various manual stand improvement treatments. This report discusses the interim results of productivity studies conducted for "shortwood" merchantable thinning, shelterwood and remnant removal operations.  
AP FO LA PR SC

#### The Workers Compensation Board of Manitoba : comprehensive plan

Winnipeg : The Board, 1989. 30 p. : ill.  
MICROLOG 90-00442 1 fiche

This document provides a brief financial history of the Board, current financial statements, various options, selected strategies and anticipated financial results. The financial history includes the general employers' pool only.  
LA MS PR

#### Workers Compensation Board, Manitoba : Annual report 1988

Winnipeg : The Board, 1989. 45 p. : ill. *Statistics (16 p.) laid in.* CSI 42183.001.  
MICROLOG 90-00342 1 fiche

Includes an operations report, a management review, and reports from the Finance and Administration Division, the Benefits Division, the Information Systems and Planning Division, and Community Relations and Human Resources.  
CO LA MS PA PR

#### Workers Compensation Board, Manitoba : Annual report 1989

Winnipeg : The Board, 1990. 52 p. : ill. *Statistics (16 p.) laid in.* CSI 42183.001.  
MICROLOG 90-06262 1 fiche

The Board is responsible for providing compensation benefits to workers who, as a result of their employment, are injured or contract an industrial disease. In 1989, the Board became the first in Canada to appoint an internal Ombudsman. This annual report presents the year in review, projections for 1990, an organizational chart, the Act, Board of Commissioners and the claims process. It also presents data on the way they operate in terms of efficiency, planning and keeping track, opening the lines of communication and managing a valuable resource. This document ends with an auditor's report, financial statements and notes to the statements.  
LA MS PR ST

#### Workers' Compensation Board - Alberta : Annual report 1989

Edmonton : The Board, 1990. 32 p. : ill. *CSI 35201.001.*  
MICROLOG 90-06396 1 fiche

The Board's main objective is to maintain the basic principles of workers' compensation by providing qualified claimants with proper benefit entitlement. The annual report includes data on claims handled during the year, benefits paid and administrative activities. Includes profiles of Board members and financial statements.  
AL LA PR ST

#### Workers' Compensation Board of British Columbia : Annual report 1989

Victoria : The Board, 1989. 39 p. : ill. *CSI 38161.001.*  
MICROLOG 90-04457 1 fiche

The annual report explains the mandate of the Board's departments including occupational safety and health, compensation and medical services, financial services and administrative services. Includes financial statements in which are incorporated data on claims for the year.  
BC LA PR

#### Workers' Compensation Board of Nova Scotia : Annual report 1988

Halifax : The Board, 1989. 28 p. : ill. *CSI 52131.001.*  
MICROLOG 90-06605 1 fiche

The Board is responsible for providing workers' compensation coverage to Nova Scotia employers and collection of assessment revenue. It classifies industries, determines rates and adjudicates claims resulting from work-related accidents, making decisions concerning the payment of claims as a result of reports from workers, employers, doctors and hospitals. It assists in the rehabilitation of workers returning to the work force, as well as the permanently disabled. To assist in claims processing the Board's Medical Department performs physical examinations and acts as medical advisor in the claims adjudication. This annual report briefly outlines accomplishments for the fiscal year and presents the financial statements. In addition, tables present statistics for claims processed during the 1988 year: accidents, causes of accidents, types of injuries, and an analysis by age, occupation, and county.  
AP LA PR ST

#### Workers' Compensation Commission of Newfoundland and Labrador : Annual report 1985

St. John's : The Commission, 1986. 30 p. : ill. *CSI 49115.001.*  
MICROLOG 90-00517 1 fiche

The annual report of the Commission presents a review of operations, and financial and statistical information.  
AP LA PR

#### Workers' Compensation Commission of Newfoundland and Labrador : Annual report 1986

St. John's : The Commission, 1987. 32 p. : ill. *CSI 49115.001.*  
MICROLOG 90-02399 1 fiche

The Commission is dedicated to the provision of prompt and adequate income protection to victims of industrial injury and to their fullest possible rehabilitation. Includes an organizational chart, a report on operations, financial reports, and statistics.  
AP LA PR



### Workers' Compensation Commission of Newfoundland and Labrador : Annual report 1988

St. John's : The Commission, 1989. 43 p. : ill. CSI 49115.001  
MICROLOG 90-05261 1 fiche

The Workers' Compensation Act/Regulations govern the operation of a no-fault work injury insurance program for the workers and employers of the province. The program guarantees wage loss protection; payment of medical costs associated with work injury and disease, rehabilitation; and protection from law suits. This annual report outlines the major activities and accomplishments of the Commission. It includes financial statements, notes and statistics.  
AP LA PR

### Workers' Compensation Commission of Newfoundland and Labrador : Annual report 1989

St. John's : The Commission, 1990. 50 p. : ill. CSI 49115.001  
MICROLOG 90-04899 1 fiche

Annual report of the Commission, presenting information on its structure and an overview of the year's activities. Details are given on the activities in claims, rehabilitation, medical services, and financial services. A financial statement is included.  
AP LA PR ST

### Workforce requirements of major Alberta resource projects, 1989-97 : recently constructed, under construction or proposed

Edmonton : Alberta Career Development and Employment, Labour Market Research Division, 1989. iv, 52 p. : maps. CSI 34111.201  
MICROLOG 90-06887 1 fiche

Major resource projects recently purposed for Alberta during the 1989 to 1997 time period could generate a significant number of jobs for Albertans. This report outlines specific construction and operational workforce requirements by year for oil projects, gas projects, petrochemical projects, mining projects, forestry projects, pipeline projects, electric utility/dam projects, and agricultural projects.  
AL LA PR ST

### A Working document for the development of a National Strategy on HIV infection and AIDS

prepared by Sadinsky and Associates ; submitted to Health and Welfare Canada. Ottawa : The Firm, 1989. 55 p.  
MICROLOG 90-05946 1 fiche

The purpose of this document is to provide a basis for consultation leading to agreement and commitment to the basic objectives of a National AIDS strategy, and to establish the points of agreement and disagreement on specific policies and programs.  
CA CI HE

### Working Group on River Ice Jams : field studies and research needs

by S. Beltaos, et al. Saskatoon, Sask. : Environment Canada, National Hydrology Research Institute, 1990. viii, 121 p. : ill. Bibliogr. (NHRI science report ; no. 2) ISSN 0838-9052 ISBN 0-662-17566-2  
MICROLOG 90-06689 2 fiche

The working group was formed in 1982 to develop guidelines for needed data collection programs and for analyzing data that are already available, to identify research needs, and to promote the documentation and publication of design-performance case studies. This document is a consolidated issue of all 4 task reports and incorporates revisions made

as a result of comments received.  
• CA NR PS SC

### Working together towards equality : an overview of race relations initiatives

Ottawa : Multiculturalism and Citizenship Canada, 1990. 34, 36 p. Bilingual (Tous ensemble...). ISBN 0-662-57330-7  
MICROLOG 90-05570 1 fiche

This document shows how the Ministry worked with community groups, associations, institutions, and individuals across the country to convert the blueprint presented last year entitled 'Eliminating Racial Discrimination in Canada' into action. It gives examples of activities supported or undertaken directly in 1989 in each of the six areas of the blueprint: building awareness through public education; changing institutions; helping voluntary organizations and coalitions; finding out more about racism and how to fight it; taking action across the federal government; working together with other levels of government.  
CA CU SA

### Workplace Hazardous Materials Information System Classification : a workshop

Workplace Hazardous Materials Information System Classification Workshop (1988 : Hamilton, Ont.). Hamilton, Ont. : Canadian Centre for Occupational Health and Safety, 1988. 167 p. : ill. Bibliogr. French ed. (Système d'information sur...) : 90-01949/2. ISBN 0-660-12955-8  
MICROLOG 90-01938 2 fiche

The workplace hazardous materials information system (WHMIS) was implemented in October 1988. This workshop was held prior to that date to introduce the system and to describe various aspects of it. Coverage includes a review of criteria, classification of material, application of criteria for skin and eye irritation, classification of imports from the U.S. and the EEC, and manufactured articles.  
• CA EV HE LA SC

### Workshop for the Development of an Indian and Metis Urban Strategy for Manitoba

Bellanca Holdings Ltd. Winnipeg : Manitoba Northern Affairs, 1989. 139 p.  
MICROLOG 90-02355 2 fiche

Provides the agenda for the workshop; a list of organizations invited; a delegate list; information on political participation; a list of facilitators and recorders, and workshop staff; workshop descriptions; and individual workshop groups. It also includes the texts of papers submitted and addresses.  
CI MS NP PR

### Workshop on Eider Management : report

compiled and edited by C.-A. Drolet. Quebec : Canadian Wildlife Service, 1989. 68 p. : ill. Bibliogr. Reports are in the language of presentation, English or French (Atelier sur la gestion de l'eider...).  
MICROLOG 90-06695 1 fiche

Eiders are a favorite game species for many hunters from the Inuit of Ungava Bay and Hudson Strait to the residents of Newfoundland and Labrador, and for sport hunters from Quebec and Nova Scotia to the coasts of Maine and Massachusetts. The need for concerted effort on such a widespread species led to the setting up of this workshop with these objectives: bring participants up-to-date on some of the most recent developments in research and management; define the status and trends of sub-populations; identify management problems, and determine actions to solve these problems; arrive at a consensus on actions to be undertaken to address

management issues. Summaries of the discussions and recommendations are followed by abstracts of the papers that were presented.  
• CA EV LS NO SC

### Workshop on Ice Properties : proceedings

Workshop on Ice Properties (1988 : St. John's, Nfld.). Ottawa : National Research Council Canada, 1989. x, 216 p. : ill., maps. Bibliogr. (Technical memorandum ; no. 144) MICROLOG 90-05772 3 fiche (Available on fiche only)

This workshop evaluated current knowledge on ice properties with particular reference to engineering design. Sessions dealt with ice-structure interaction in the field, design requirements, a review of the physical and mechanical properties of ice, testing methods, and physical and analytical scale effects.  
CA NR PS SC

### Workshop on the Development and Use of Water Quality Objectives : proceedings

edited by Margaret C. Taylor. Ottawa : Canadian Council of Ministers of the Environment, Task Force on Water Quality Guidelines, 1989. x, 175 p. : ill. Bibliogr. MICROLOG 90-06698 2 fiche

The Canadian Water Quality Guidelines were first published in 1987 and compiled the available information on the effects of physical, chemical and biological variables on the water quality of freshwater ecosystems in Canada. This workshop introduced some of the factors which must be considered when using the water quality guidelines for regional or site-specific purposes, and simulated the negotiation of water quality objectives for a river flowing across the Canada-U.S. border.  
• CA EV SC

### World oil market projections, 1990-2005

by A.E. Reinsch and M.A. O'Reilly. Calgary, Alta. : Canadian Energy Research Institute, 1990. xxiv, 172 p. Bibliogr. (Study ; 34) CSI 99359.202. ISBN 0-920522-61-0  
MICROLOG 90-03744 3 fiche (Available on fiche only)

The global energy market responded to the uncertainty of world oil supply and prices through the pursuit of increased energy efficiency and multiple energy sourcing. The evolution of the world oil market and the likely path of crude oil prices continue to play a key role in shaping domestic energy policy and energy sector planning. This report is the 2nd in a series of research studies designed to monitor developments in the world oil market, to assess the likely impact of key uncertainties affecting the market, and to provide a reference crude oil price path upon which industry and government can base their investment decisions and policy prescriptions. The centrepiece of the research effort is the CERI world oil market model, an integrated supply-demand model capable of generating consistent projections of world oil prices or OPEC production levels under a wide range of plausible assumptions regarding world economic growth, product demand response to oil price and income changes, and ultimate potential oil reserves in the non-OPEC oil producing countries.  
CA EN SC ST

### Wounds in sea-farmed smolt

by B. Berland. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 9 p. Bibliogr. (Canadian translation of fisheries and aquatic sciences ; no. 5433) Originally published in Norwegian. ISSN 0704-3716  
MICROLOG 90-00623 1 fiche



Discussion of the possible cause of wounds on sea-farmed smolt in Norway. The wounds were found on the dead fish in the morning. There appeared to be no external cause and the problem disappeared after April/May. Samples of the dead fish were sent to a laboratory to be analysed and possible causes were identified.

• CA CF FI SC

**Year 2000 : a curriculum and assessment framework for the future -- Draft**

Victoria : Ministry of Education, 1989. 41 p. : ill. MICROLOG 90-00020 1 fiche

The paper consists of four sections. The first provides background information about the findings of the 1988 Sullivan Royal Commission on Education and about the mandate and policy directions for the school system. The second outlines some key principles about the nature of learning, about curriculum, about assessment, and about reporting, which have been used to prepare the curriculum and assessment framework and to describe the proposed Primary, Intermediate, and Graduation Programs. The third presents a model for the framework itself, which relates curriculum, assessment, and student learning. The fourth presents descriptions of the three program areas.

BC ED PR

**Year 2000 : a framework for learning**

Victoria : Ministry of Education, 1990. v, 29 p. ISBN 0-7726-1119-X MICROLOG 90-04737 1 fiche

The paper provides background information about the findings of the 1988 Sullivan Royal Commission on Education and about the mandate and policy directions for the school system. It outlines key principles about the nature of learning, and about the implications of these principles for educational programs. It also presents the framework for learning and describes the general features of the new provincial programs. Finally, it provides descriptions of the new Primary, Intermediate, and Graduation Programs.

BC ED PR

**Year end report, 1988-89**

New Brunswick Hog Marketing Board. Fredericton : The Board, 1989. 8, 9 p. Bilingual (Rapport de fin...1988-89). CSI 46163.001. MICROLOG 90-03301 1 fiche

Annual report of the Board, detailing such concerns as the viability of the New Brunswick hog industry, the market price for hogs, the Hog Board relocation to Fredericton, and the U.S. countervail duty against Canadian pork exports.

AG AP PR SC ST

**Year-round accessibility of the Beaufort Sea from the east via the southern route of the North-West Passage, phase I : final report, ice climatology and navigation assessment**

presented to Executive Services Branch, Marine Corps, Canadian Coast Guard. Ottawa : Canarctic Shipping Company Limited, 1989. vi, 67 p. : maps. Bibliogr. MICROLOG 90-06532 1 fiche

Phase I of this program investigated aspects of the historical ice climatology and navigational environment of the southern route of the Northwest Passage as they impact on potential year-round navigation by deep-draft icebreaking tankers. This report presents an assessment of the charted bathymetry along the southern route and an operational review of the location of aids to navigation currently maintained along the deep-draft corridor; investigates the transit

experience of vessels using this route; and presents an ice climatology analysis of historical and contemporary SAR data collected from 1986-89. A complete set of navigation chart reproductions for the route are included. CA NO PS SC TR

**Yearly traffic volume report, 1988 -- 20th ed.**

by V. Perrin. Halifax : Halifax Engineering and Works Dept., Traffic Engineering Division, 1988. 177 p. : maps. CSI 89175.002. MICROLOG 90-03590 2 fiche

The information contained in this report is a condensed summary of traffic volume data collected during 1988. Included in the report are 24 hour volumes, peak hour intersection volumes, cordon counts, and yearly comparisons. AP MU TR

**Yes, but are they learning anything? Interim report no. 3 from the Kingston Regional Pilot Test Centre : schools, computers, and learning project**

by J. Blackstock and L. Miller. Toronto : Ministry of Education, 1989. vii, 66 p. : ill. Bibliogr. ISSN 0843-5111 ISBN 0-7729-5216-7 MICROLOG 90-06659 1 fiche

The project was designed to investigate the mutual adaptation of new information technology in an elementary school setting. It involved five principal researchers, each focusing on a different area of interest and expertise. The component of the longitudinal investigation described in this report included the following research goals: the study of a group of Grade 1 children, and their use of computers, as they progressed through three years of schooling; the study of one teacher using computers over a three-year period; the study of the computer's role in fostering literacy; the study of the transfer of learning; the study of one particular software package, 'the puzzler', and a demonstration of its exemplary use in the classroom. ED ON PR

**The Yield to the fishery of hatchery salmon**

by F.N. Rukhlov and A.O. Shubin. Ottawa : National Research Council, Canada Institute for Scientific and Technical Information, 1989. 7 p. (Canadian translation of fisheries and aquatic sciences ; no. 5459) Originally published in Russian. ISSN 0704-3716 MICROLOG 90-00599 1 fiche

Data on hatchery yield of pink salmon (1964/5-1985/6) and chum salmon (1952-1980), at the Kalininskii hatchery (1952-80) and the Yasnomorskii hatchery (1952-80).

• CA CF FI SC

**Yorkton-Melville Health Region (Sask.) : Annual review 1989**

S.I. : The Region, 1990. 95 p. : ill. CSI 72209.001. MICROLOG 90-05630 2 fiche

Annual review of the work and activities in the Region for 1980-89, including a summary, birth/fertility data, mortality rates, and reports on such community services as public health nursing and inspection, speech/language pathology, early childhood psychology, nutrition, dental health education, community therapy, and chiropody. HE MS MU PR ST

**You can say 'no' : an annotated resource guide for child abuse education**

Victoria : Ministry of Education, Special Education, 1989. 124 p. ISBN 0-7726-1066-5 MICROLOG 90-05840 2 fiche

This guide is intended as a primary resource for educators, parents and other professionals who actively share a concern about child abuse prevention. It lists materials appropriate for regular education, and for special education. It includes printed and audiovisual materials if they focus on prevention of child abuse and were published within the last ten years. The annotations include information that reflects any limiting factors such as suitability for a specific age range, ethnic group, or geographic locale. BC PR SA

**Youth Council of New Brunswick : Annual report 1988-89**

Fredericton : The Council, 1989. 33, 34 p. Bibliogr. Bilingual. CSI 46151.001. MICROLOG 90-01211 1 fiche

The Council has the mandate to undertake consultation and research in order to advise government. This annual report presents information on Council meetings, publications, and presentations. It also includes recommendations and financial statements. AP PR SA

**Youth on Prince Edward Island : an investment in our future--a review of the needs and service requirements**

by S. McQuaid. Charlottetown : Executive Council, 1989. 40 p. Bibliogr. MICROLOG 90-03872 1 fiche

This document focuses on the adolescent population and presents a sense of the current situation. It identifies critical and urgent issues, and recommends what directions might be taken. AP PR SA

**Yukon 2000 : comprehensive planning for diversification**

by M.B. Decter and J.A. Kowall. Ottawa : Economic Council of Canada, 1989. viii, 65 p. : ill. Bibliogr. (Local development paper ; no. 13) ISSN 0225-8013 MICROLOG 90-04054 1 fiche (Available on fiche only)

This study examines the progress of Yukon 2000 to date and seeks to evaluate its applicability to other regional development in other situations. The data for this review are the ideas and opportunities identified by the process, as well as the conflicts among various groups. • CA CO NO

**Yukon economic accounts, 1977 to 1987**

Whitehorse : Executive Council Office, Bureau of Statistics, 1989. 45 p. : ill. CSI 79107.208. MICROLOG 90-00716 1 fiche

Defines income and expenditure accounts, explains what they include, and how they are organized, and suggests some uses of the accounts information. Also presented is a report on the highlights of the accounts illustrating the significance of trends during the eleven years for which data is complete. CO NO PA PR ST

**Yukon exploration, 1988**

Whitehorse : Indian and Northern Affairs Canada, Yukon Region, Northern Affairs Program, Mineral Resources Directorate, Exploration and Geological Services Division, 1988. vii, 304 p. : ill., maps. Bibliogr. CSI 21113.011. ISBN 0-660-13359-8 MICROLOG 90-02028 4 fiche

Discussion of the geology of Yukon mineral deposits and mineral districts under active investigation, including summaries of exploration work done by mineral exploration companies during 1988, as well as some previously undocumented work. The summaries are based on reports submitted to the department



for assessment credit. An overview of lode mining and development, placer mining, exploration activity, and a summary of prospectors' assistance and exploration incentives program administered by the Government of the Yukon is also given. A drill core index from the H.S. Boslock core library is included.  
CA NO NR PS SC

### Yukon fish and effects of causeways

by W.B. Griffiths...et al. Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, 1988. xix, 124 p. : ill., maps. Bibliogr. (Environmental studies ; no. 57) ISBN 0-662-16578-0  
MICROLOG 90-04620 2 fiche

The extensive exploratory drilling activities in the nearshore waters of the Canadian Beaufort Sea and in the Mackenzie Delta region have resulted in a variety of proposed developments for shore-based facilities, usually incorporating a solid-fill causeway in conjunction with either dredged channels or solid-fill breakwaters. There is currently insufficient biological and physical data from the Yukon coast to allow for a determination of the potential impacts of these structures on fish populations, although massive studies were done on 2 causeways in the Prudhoe Bay-Sagavanirktok Delta region of Alaska. This report summarizes the Alaskan information; assesses the likelihood that coastal structures along the Yukon would affect the anadromous fish populations using the area; and evaluates the data that are available from the Yukon coast and their usefulness in addressing the relevant questions of development-related impacts. In addition, important data gaps are identified and recommended priorities for future studies are provided.  
CA CF FI NO SC

### The Yukon forest reconnaissance inventory, 1985

by G.M. Bonnor and E.T. Oswald. Victoria : Government of Canada, Canadian Forestry Service, Pacific Forestry Centre, 1989. v, 30 p. : ill., maps. Bibliogr. (Information report ; BC-X-315) ISSN 0830-0453 ISBN 0-662-17390-2  
MICROLOG 90-02610 1 fiche

Reconnaissance inventory providing estimates of areas, wood volumes and forest biomass by major forest types, ecoregions, and forest management units; volume and biomass estimates by species; and biomass estimates by tree and stand components.  
• CA FO NO SC

### Yukon geology

edited by J.A. Morin and D.S. Emond (vol. 1) ; Grant Abbott (vol. 2). Ottawa : Indian and Northern Affairs Canada, Northern Affairs Program, Yukon Region, Mineral Resources Directorate, Exploration and Geological Services Division, 1988. 2 v. : ill., maps. Bibliogr. ISBN 0-662-15041-4  
MICROLOG 90-01631 4 fiche

Series of papers on the geology of the Yukon, covering regional aspects and the economic aspects of exploration for gold and silver, silver and base metals, and tin and tungsten. An overall summary is given in French.  
CA NO NR PS SC

### Yukon government position on Klauene National Park (reserve) in response to Klauene National Park Management Plan Review, 1989

Whitehorse : The Territory, 1989. 7 p.  
MICROLOG 90-00767 1 fiche

Provides introductory information on the reserve, the philosophy of the reserve, and its benefits. It also contains positions regarding the reserve including a regional approach, regional planning, access to the park, access

within the park, and park interpretive programs and services.  
CU NO PR

### Yukon Human Rights Commission : Report on activities 1989-90

Whitehorse : The Commission, 1990. 16 p. : ill. CSI 79114.001.  
MICROLOG 90-06712 1 fiche

This annual report outlines the major activities and accomplishments of the Commission. It also explains how complaints are handled, and discusses enforcement of the Act. It includes financial statements.  
NO PR SA

### Yukon Liquor Corporation : Annual report 1988-89

Whitehorse : The Corporation, 1989. 13 p. CSI 79100.001.  
MICROLOG 90-01378 1 fiche

This annual report contains an operational review, a financial overview, and financial statements. It also includes a list of licences issued and suspended.  
CO CU NO PR ST

### Yukon Territory. Dept. of Finance : Public accounts 1988-89

Whitehorse : The Dept., 1989. 143 p. CSI 78102.003.  
MICROLOG 90-01217 2 fiche

This document provides information on the financial affairs and resources of the government and its corporations; and whether the financial resources were administered by the government in accordance with the limits set by the relevant legislative authorities.  
CO NO PA PR

### Yukon Territory. Dept. of Justice : Annual report 1988-89

Whitehorse : The Dept., 1989. 39 p. : ill. CSI 78104.001.  
MICROLOG 90-05397 1 fiche

The mandate of the Department is to ensure that Yukon citizens can exercise their legal rights and responsibilities through provision of Court services, legal aid, both to government and to citizens through public legal aid funding, protecting public interest in professional and commercial activities, and providing police and corrections services. The annual report reviews the structure of the Department and activities of each branch and agency.  
JU NO PR ST

### Yukon Territory. Motor Transport Board : Annual report 1986-87

Whitehorse : Community and Transportation Services, 1987. 5 p. CSI 79113.001.  
MICROLOG 90-02406 1 fiche

The Board's primary mandate is to consider applications for 'Operating Authority' which is required to operate a motor vehicle on a highway for the purpose of transporting goods or passengers for compensation. This annual report expands on the mandate, along with the regulatory process and activities during the year, including hearings, certification and permits and policy development.  
NO PR SC TR

### Yukon Territory. Motor Transport Board : Annual report 1988-89

Whitehorse : The Board, 1989. 5 p. CSI 79113.001.  
MICROLOG 90-05742 1 fiche

Annual report of the Board, which ensures that an adequate highway transportation system is maintained to provide reliable and efficient service to Yukon consumers, to allow the development of a sound economic and social framework in Yukon and to protect the public interest. The report covers the regulatory

process and the activities of the Board in holding public hearings, conducting business meetings, issuing permanent and temporary certificates, and policy development.  
NO PR SC TR

### Yukon Territory. Workers' Compensation Board : Annual report 1986

Whitehorse : The Board, 1987. 32 p. : ill. CSI 79106.001.  
MICROLOG 90-01396 1 fiche

The purpose of the Board is to provide compensation to the worker for wage loss due to disability from personal injury by accident arising out of employment without recourse to litigation. This annual report includes statistical exhibits, supplementary financial information, and financial statements.  
LA NO PR ST

### Yukon Territory. Workers' Compensation Board : Annual report 1988

Whitehorse : The Board, 1989. 25 p. : ill. CSI 79106.001.  
MICROLOG 90-05615 1 fiche

This annual report is presented in accordance with section 9(9) of the Workers' Compensation Act. The purpose of the Act is to provide compensation to the worker for wage loss due to disability from personal injury by accident arising out of employment without recourse to litigation. This report outlines the major activities and accomplishments of the Board. It includes statistical exhibits, supplementary financial information, and financial statements.  
LA NO PR ST

### Yukon Territory : Annual report 1988-89

Whitehorse : The Territory, 1989. 44 p. : ill. CSI 79103.001. ISSN 0832-6185  
MICROLOG 90-01651 1 fiche

This annual report reviews the activities of the Corporations, Services, and Ministries in the Yukon government.  
NO PA PR

### Yukon tourism industry highlights report, 1987 and 1988

Yellowknife : Yukon Tourism, 1989. iv, 67 p. CSI 79105.002.  
MICROLOG 90-07083 1 fiche

Reviews industry and visitor activities during the territory's four month peak tourism season from June through September. It concentrates on providing an overview of the major activities and accomplishments by Yukon's tourism industry as well as by the Department of Tourism in both 1987 and 1988.  
CU NO PR

### Zarn Lake area

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1989. 13 p. : fold. maps. (Geological data inventory folio ; GDIF 475)  
MICROLOG 90-00703 1 fiche

Geological data inventory for Zarn Lake area, including a checklist of data sources, metals and minerals reference list, mineral occurrences, exploration work and drillhole summary by company or individual, results of airborne geophysical and geochemical survey, aerial photos and topographical maps available, newspaper clippings, results of a general index search, and selected references.  
NR ON PR PS SC



**The Zebra mussel *Dreissena polymorpha* : a photographic guide to the identification of microscopic veligers**

by G.J. Hopkins. Toronto : Environment Ontario, 1990. ii, 15 p. : ill. Bibliogr. ISBN 0-7729-6349-5  
MICROLOG 90-05171 1 fiche

Document detailing the history of the zebra mussel in the Great Lakes, its life stages, and the collection and observation of veligers or larvae.

FI LS ON PR SC

**Zeemel Lake area**

compiled by the staff of the Resident Geologist's Office, Sioux Lookout. Toronto : Ministry of Northern Development and Mines, Mines and Minerals Division, Ontario Geological Survey, 1990. iii, 46 p. : maps. (Geological data inventory folio ; GDIF 494) Fold. maps not filmed.  
MICROLOG 90-03056 1 fiche

Geological data inventory for the Zeemel Lake area, including a checklist of data sources, metals and minerals reference list, mineral occurrences by location, exploration work by company, drillhole summary by company, airborne geophysical data, geochemical survey data, newspaper clippings, results of a general index search, and selected references.

NR ON PR PS SC

**Zero inflation : the goal of price stability**

Richard G. Lipsey, editor. Toronto : C.D. Howe Institute, 1990. x, 165 p. : ill. Bibliogr. (Policy study ; no. 8) ISSN 0832-7912  
MICROLOG 90-03921 2 fiche

Contains the following essays: The Political Economy of Inflation Control; The Bank of Canada and the Pursuit of Price Stability; Zero Inflation as a Long-Term Target for Monetary Policy; Do We Measure Inflation Correctly?; and The Zero-Inflation Target: An Overview of the Economic Issues.

• CA CI CO

**Zirconium-refractory alloys**

by H.M. Skelly and C.F. Dixon. Ottawa : Canada Centre for Mineral and Energy Technology, Physical Metallurgy Research Laboratories, 1970. i, 21 p. : ill. Bibliogr. (Report ; PM-M 70-8)  
MICROLOG 90-04659 1 fiche

Investigation examining the possibility of improving the high-temperature properties of zirconium through dispersion strengthening by the addition of refractory compounds, particularly oxides, to zirconium by arc melting. To dispersion strengthen zirconium by this method, it is necessary for the refractory compound to dissolve in molten zirconium, then, on cooling, to precipitate as a fine dispersion of the refractory compound itself or of some stable compound formed by its reaction with zirconium. Thorium oxide (ThO<sub>2</sub>), because of its high stability, was selected for initial tests. Observations were also made on the effect of additions to zirconium of yttrium oxide (Y<sub>2</sub>O<sub>3</sub>), lanthanum oxide (La<sub>2</sub>O<sub>3</sub>), and cerium zirconate (Ce<sub>2</sub>O<sub>3</sub>.2ZrO<sub>2</sub>).

• CA CM NR PS SC

**Zones économiques spéciales, transport et industrialisation : la région du delta du Zhujiang, Chine**

par F. Soulard. Montréal : Université de Montréal, Centre de recherche sur les transports, 1989. 34 p. : cartes géogr. Bibliogr. (Publication ; no. 667)  
MICROLOG 90-01607 1 fiche

La province de Guangdong a la particularité d'avoir sur sa frontière méridionale deux colonies, Hong Kong et Macao, qui

réintégreront la République Populaire de Chine d'ici l'an 2 000. Les politiques chinoises de développement économique, qui coïncident avec le retour de l'emphase du développement industriel et manufacturier côtier, favorisent la mise en place de structures d'accueils pour l'investissement étranger: les zones économiques spéciales. Nous assistons donc à la formation de corridors de développement dans le polygone formé par les trois villes de Hong Kong, Guangzhou et Macao. L'étude consiste à démontrer l'hypothèse selon laquelle le développement d'axes de transport est lié au processus d'ouverture de la Chine au marché économique mondial, qu'il a un impact sur l'utilisation fonctionnelle des sols dans cette région, et qu'il affecte la mobilité de la population. L'analyse conclue sur les résultats des récentes politiques de développement et sur la relation entre la modification de l'utilisation des sols et les disparités régionales. Des voies de recherche sont aussi proposées.  
CO EX PR QU SC TR

**Zooplankton distribution and associated biological, physical and chemical data : Barkley Sound, Vancouver Island, May and June 1989 (MASS program)**

by J.R. Forbes...et al. Sidney, B.C. : Dept. of Fisheries and Oceans, Institute of Ocean Sciences, 1990. v, 109 p. : ill. Bibliogr. (Canadian data report of hydrography and ocean sciences ; no. 77) ISSN 0711-6721  
MICROLOG 90-04272 2 fiche

The marine survival of salmon (MASS) program is an interdisciplinary study aimed at understanding the relationships between physical and biological oceanographic events and the dispersal and survival of salmon during their early sea life. A major effort within the MASS program has been directed at processes within Barkley Sound, on the west coast of Vancouver Island. This report presents data collected during May and June 1989 surveying the distribution, abundance and size frequency of zooplankton and investigating the underlying biological and oceanographic processes controlling the zooplankton community. Maps of the surface distribution of zooplankton biomass by size category, salinity, temperature and chlorophyll fluorescence obtained by a flow-through sampling system are provided. The report also includes zooplankton abundance and size distribution determined from vertical net haul samples, together with biological, physical and chemical observations CTD casts and discrete water bottled samples.

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Rapport d'investigation sur les circonstances dans lesquelles le bac *Joseph Savard* a heurté le quai à Saint-Bernard-de-l'Île-aux-Coudres et dans lesquelles 15 passagers ont été blessés et 15 véhicules ont été endommagés le 13 juillet 1986. MICROLOG 90-04779 1 fiche

Rapport d'investigation sur les circonstances dans lesquelles le chaland *Seaspan 461* a heurté l'estacade de protection du pont de la B.C. Hydro dans le bras nord du fleuve Fraser le 14 novembre 1985. MICROLOG 90-05325 1 fiche



- Rapport d'investigation sur les circonstances dans lesquelles le N.M. *Trave Ore* a heurté un fragment d'iceberg dans l'océan Atlantique, au nord-est de Terre-Neuve le 6 juillet 1989. MICROLOG 90-03249 1 fiche
- Rapport d'investigation sur les circonstances dans lesquelles le navire panaméen *Northern Cherry* a heurté l'appontement no 14, dans le port de Hamilton (Ont.), le 14 mai 1986. MICROLOG 90-04796 1 fiche
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- Rapport d'investigation sur les circonstances dans lesquelles le remorqueur *James E MacGrath* a coulé suite à une manoeuvre d'appareillage du navire *Hon Paul Martin* à Port Weller en Ontario le 23 septembre 1988. MICROLOG 90-00872 1 fiche
- Rapport d'investigation sur les circonstances dans lesquelles le remorqueur *Rod McLean* a fait naufrage après avoir été ceinturé par sa remorque, dans le Port de Sault Ste. Marie (Ont.), le 14 octobre 1985. MICROLOG 90-05327 1 fiche
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- Rapport d'investigation sur les circonstances dans lesquelles un membre d'équipage du navire de pêche *Cape Bauld* a été blessé pendant les opérations de pêche, au large de la côte de la Nouvelle-Ecosse le 28 mai 1986. MICROLOG 90-05306 1 fiche
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**MS 65-79** The Spring DECUS Meeting held at Harvard University and a visit to Digital Equipment Corporation at Maynard, Mass.. MICROLOG 90-04636 1 fiche

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## Report. Mining Research Laboratories (Canada)

**MR 68/5-ID** Second supplement to tabulation of reports prepared by the Mining Research Centre, 1967. MICROLOG 90-04493 1 fiche

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**MRL 87-189(TR)** Tensile strengths of Montauban mine rocks. MICROLOG 90-02551 1 fiche

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**MRL 89-147(TR)** Post pillar recovery strategies at Nanisivik Mine, Nanisivik, Northwest Territories, phase 1 : ground control instrumentation and stress determinations. MICROLOG 90-05992 1 fiche

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**EM-92** Canadian Developments in Testing Concrete Aggregates for Alkali-Aggregate Reactivity. MICROLOG 90-04210 3 fiche

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**EM-94** Friction courses for moderate traffic highways. MICROLOG 90-04828 1 fiche

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**2-90** Status and outlook for the major commercial fish species of Lake Huron, 1990. MICROLOG 90-06602 4 fiche

#### Report. Ontario. Lake Nipigon Fisheries Assessment Unit

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**no. 14** Water quality assessment of Long, Mica, Opinicon, Sydenham, and Upper Rideau lakes, 1982. MICROLOG 90-05969 1 fiche

#### Report. Ontario Hydro. Research Division

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